

Appendix E

Air Quality Technical Report

**ENVIRONMENTAL IMPACT REPORT NO. 627
JOHN WAYNE AIRPORT
GENERAL AVIATION IMPROVEMENT PROGRAM**

**APPENDIX E
AIR QUALITY TECHNICAL REPORT**

APRIL 2018

Prepared For:

**County of Orange
John Wayne Airport
3160 Airport Way
Costa Mesa, CA 92626**

Prepared By:



Landrum & Brown

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TABLE OF CONTENTS

	<u>PAGE</u>
1.0 INTRODUCTION.....	7
1.1 DESCRIPTION OF PROPOSED PROJECT	7
1.2 DESCRIPTION OF ALTERNATIVE 1	9
2.0 REGULATORY SETTING.....	10
2.1 POLLUTANTS OF CONCERN	10
2.2 REGULATORY FRAMEWORK	15
2.3 SIGNIFICANCE THRESHOLDS	16
2.4 LOCAL AIR QUALITY CONDITIONS.....	20
3.0 EXISTING (2016) CONDITIONS.....	21
3.1 WEATHER	21
3.2 MONITORED AIR QUALITY.....	22
3.3 SENSITIVE RECEPTORS	22
3.4 EMISSIONS SOURCES	22
3.4.1 EXISTING (2016) OPERATIONS DATA	23
3.4.2 EXISTING (2016) FLEET MIX DATA	23
3.4.3 EXISTING (2016) RUNWAY AND FLIGHT TRACK UTILIZATION ...	23
3.4.4 AUXILIARY POWER UNITS	23
3.4.5 GROUND SUPPORT EQUIPMENT.....	26
3.5 EMISSIONS INVENTORY	26
4.0 CONSTRUCTION ACTIVITIES	27
4.1 PROPOSED PROJECT	27
4.2 ALTERNATIVE 1	27
4.3 CONSTRUCTION EMISSIONS	35
4.4 IMPACT ANALYSIS	36
4.5 ODORS	37
4.6 TACs/HUMAN HEALTH/SENSITIVE RECEPTORS.....	38
5.0 OPERATIONAL ACTIVITIES	39
5.1 EXISTING PLUS NO PROJECT.....	39
5.1.1 EMISSIONS SOURCES.....	39
5.1.2 EMISSIONS INVENTORY	42
5.2 EXISTING PLUS PROPOSED PROJECT.....	42
5.2.1 EMISSIONS SOURCES.....	42
5.2.2 EMISSIONS INVENTORY	45
5.3 EXISTING PLUS ALTERNATIVE 1	45
5.3.1 EMISSIONS SOURCES.....	46
5.3.2 EMISSIONS INVENTORY	48
5.4 IMPACT ANALYSIS SUMMARY	49
5.5 ODORS	50

5.6	TACs/HUMAN HEALTH/SENSITIVE RECEPTORS.....	50
6.0	GENERAL AVIATION ONLY EMISSIONS INVENTORY.....	54
6.1	EXISTING (2016) CONDITIONS GENERAL AVIATION ONLY	54
6.2	NO PROJECT GENERAL AVIATION ONLY (2026).....	54
6.3	PROPOSED PROJECT GENERAL AVIATION ONLY (2026).....	55
6.4	ALTERNATIVE 1 GENERAL AVIATION ONLY (2026).....	55
6.5	IMPACT ANALYSIS	55
7.0	MITIGATION MEASURES.....	57
8.0	CUMULATIVE IMPACTS.....	61
9.0	POTENTIAL TO CONFLICT WITH APPLICABLE AIR QUALITY PLAN	63
ATTACHMENT 1	64
ATTACHMENT 2	65

LIST OF TABLES

	<u>PAGE</u>
Table 1	National Ambient Air Quality Standards..... 11
Table 2	California Ambient Air Quality Standards 12
Table 3	SCAQMD Air Quality Significance Thresholds..... 17
Table 4	SCAQMD Localized Significance Thresholds..... 18
Table 5	Local Air Quality Status 20
Table 6	Distribution of Annual Operations by Aircraft Type 2016 24
Table 7	Runway End Utilization 2016 25
Table 8	General Aviation GSE – Existing (2016) Conditions 26
Table 9	Emissions Inventory –Existing (2016) Conditions..... 26
Table 10	Proposed Project Construction Phases..... 29
Table 11	Alternative 1 Construction Phases 32
Table 12	Construction Emissions – Proposed Project 35
Table 13	Construction Emissions – Alternative 1..... 36
Table 14	Daily Construction Emissions 37
Table 15	Annual Aircraft Operations – Existing Plus No Project 40
Table 16	General Aviation GSE – Existing Plus No Project 41
Table 17	Emissions Inventory – Existing Plus No Project..... 42
Table 18	Annual Aircraft Operations – Existing Plus Proposed Project 43
Table 19	General Aviation GSE – Existing Plus Proposed Project 45
Table 20	Emissions Inventory – Existing Plus Proposed Project..... 45
Table 21	Annual Aircraft Operations – Existing Plus Alternative 1..... 47
Table 22	General Aviation GSE – Existing Plus Alternative 1..... 48
Table 23	Emissions Inventory – Existing Plus Alternative 1 48
Table 24	Total Daily Operational Emissions – Existing and Existing Plus Scenarios 49
Table 25	Daily Net Impact of Operational Emissions – Existing Plus Alternative Scenarios Compared to Existing (2016) Conditions 50
Table 26	Net Operational Emissions Comparison – 2014 Settlement Agreement Amendment and the Existing Plus Proposed Project and Existing Plus Alternative 1 Scenarios 53
Table 27	Emissions Inventory – General Aviation Only Existing (2016) Conditions 54
Table 28	Emissions Inventory – No Project General Aviation Only (2026)..... 54
Table 29	Emissions Inventory –Proposed Project General Aviation Only (2026) 55
Table 30	Emissions Inventory – Alternative 1 General Aviation Only (2026) 55
Table 31	Daily Net Impact of Operational Emissions - Existing Condition (2016) General Aviation Only Compared to the General Aviation Only (2026) Scenarios..... 56

Table 32	Daily Impact of Construction Emissions – Mitigated Future (2026) Scenarios	58
Table 33	Daily Net Impact of Operational Emissions - Existing (2016) Condition compared to the Minimized Existing Plus Scenarios.....	60

LIST OF FIGURES

	<u>PAGE</u>
Figure 1 Sensitive Receptor Areas	19
Figure 2 Construction Phasing – Proposed Project	31
Figure 3 Construction Phasing – Alternative 1	34

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1.0 INTRODUCTION

The purpose of this Air Quality Technical Report is to provide supporting documentation for the Environmental Impact Report (EIR) being prepared for the General Aviation Improvement Program (GAIP) project proposed for the John Wayne Airport (JWA or Airport) in Orange County, California. As a requirement of the California Environmental Quality Act (CEQA), this technical report identifies and assesses the potential individual and cumulative air quality impacts that would result from the construction and operation of the Proposed Project and its alternatives. Three existing conditions scenarios are evaluated in this report: Existing plus No Project, Existing plus Proposed Project, and Existing plus Alternative 1.

1.1 DESCRIPTION OF PROPOSED PROJECT

The Proposed Project proposes a Full Service West Fixed-Base Operator (FBO) and a Full Service East FBO, for a total of two full service FBOs. These two full service FBOs would replace the two existing FBOs. The total aircraft storage capacity under this alternative would be approximately 354 based aircraft. When compared to Existing (2016) Conditions, the Proposed Project reduces aircraft storage capacity by approximately 242 spaces (nearly 41 percent) and would accommodate 128 fewer (nearly 27 percent) general aviation aircraft than currently using the Airport. Refer to Section 3.0, Project Description, of the EIR for a complete description of the Proposed Project.

The Proposed Project would result in changes to the Airport's general aviation aircraft operations and fleet mix. Therefore, emission sources related to the change in general aviation aircraft operations and fleet mix were evaluated, which include aircraft operations, auxiliary power unit (APU) usage, and ground support equipment (GSE) usage. Construction activity due to the implementation of the Proposed Project was also evaluated.

The Proposed Project would replace approximately 134,000 square feet of existing, aging facilities with approximately 97,000 square feet of new and more efficient facilities. The new facilities associated with the Proposed Project would comply with the applicable building standards set forth in Title 24, Part 6 (Building Energy Efficiency Standards for Residential and Nonresidential Buildings) and Title 24, Part 11 (California Green Building Standards Code, aka CALGreen) of the California Code of Regulations. Both Part 6 and Part 11 of Title 24 are administered by the California Energy Commission (CEC) in order to create uniform building codes to reduce California's energy consumption and to provide energy efficiency standards for residential and non-residential buildings.¹ The currently applicable standards are referred to as the 2016 Standards, and became effective on January 1, 2017.

¹ The CALGreen Code is intended to (1) cause a reduction in GHG emissions from buildings; (2) promote environmentally responsible, cost-effective, healthier places to live and work; (3) reduce energy and water consumption; and (4) respond to the directives by the Governor. As such, implementation of CALGreen reduces construction waste; makes buildings more efficient in the use of materials and energy; and reduces environmental impact during and after construction. The potential effect of the CALGreen energy savings is estimated to reduce statewide greenhouse gas emissions by 160,000 metric tons of CO₂ equivalent per year. See California Energy Commission, California Code of Regulations, Title 24, Part 6 (24 CCR Part 6) *2016 Building Energy Efficiency Standards for Residential and Nonresidential Buildings*, January 2017.

Development associated with the Proposed Project would need to comply with then-applicable standards and, as the building standards generally are updated every three years, subsequent, more energy efficient standards may apply. Because the Proposed Project would replace less efficient, existing development with more efficient, new development, and therefore reduce building-related energy consumption and corresponding operational emissions when compared to the existing conditions, the building-related emissions (e.g., emissions resulting from electricity and natural gas consumption) of the Proposed Project were not quantified.

Similarly, as discussed in Section 4.10, Utilities of the EIR, it is projected that the number of people using general aviation-related facilities would increase from an estimated 1,877 persons in 2016 to 1,905 persons by 2026 with the Proposed Project. Although an increase in persons is expected, additional water consumption and wastewater generation, which are a source of emissions, are not expected because the Proposed Project would result in the installation of more water-efficient appliances and plumbing fixtures at the new facilities, as compared to those that presently exist in the older buildings, in compliance with the CALGreen Code. Thus, the small increase in the number of persons would be offset by the installation of water-efficient appliances and fixtures. Therefore, water-related emissions were not estimated for the Proposed Project.

Finally, as provided in the Traffic Impact Analysis report (see Appendix H of the EIR), the Proposed Project is not anticipated to increase the number of average daily trips or trip lengths, or the quantity of vehicle miles traveled by users of the Project's general aviation facilities and amenities; therefore, operational emissions attributable to the use of passenger vehicles are not estimated in this report.

1.2 DESCRIPTION OF ALTERNATIVE 1

Alternative 1 proposes a Full Service West FBO, a Full Service Northeast FBO, and a Full Service Southeast FBO, for a total of three full service FBOs. The three full service FBOs would replace the two existing FBOs. The total aircraft storage capacity under this alternative would be approximately 356 based aircraft. When compared to Existing (2016) Conditions, Alternative 1 reduces aircraft storage capacity by approximately 240 spaces (about 40 percent) and would accommodate 126 fewer (about 26 percent) general aviation aircraft than currently using the Airport. Refer to Section 3.0, Project Description, of the EIR for a complete description of the Alternative 1.

Like the Proposed Project, Alternative 1 would result in changes to the Airport's general aviation aircraft operations and fleet mix. Therefore, emission sources related to the change in general aviation aircraft operations and fleet mix were evaluated; those sources again include aircraft operations, APU usage, and GSE usage. Construction activity due to the implementation of Alternative 1 was also evaluated.

Alternative 1 would replace approximately 134,000 square feet of existing, aging facilities with approximately 110,000 square feet new and more efficient facilities that comply with Title 24, Part 6 and Title 24, Part 11 of the California Code of Regulations. Development associated with Alternative 1 would need to comply with then-applicable standards and, as the building standards generally are updated every three years, subsequent, more energy efficient standards may apply. Because Alternative 1 would replace less efficient, existing development with more efficient, new development, and therefore reduce building-related energy consumption and corresponding operational emissions when compared to the existing conditions, the building-related emissions (e.g., emissions resulting from electricity and natural gas consumption) of Alternative 1 were not quantified.

Similarly, as discussed in Section 4.10, Utilities of the EIR, it is projected that the number of people using general aviation-related facilities would increase from an estimated 1,877 persons in 2016 to 1,919 persons by 2026 with Alternative 1. Although an increase in persons is expected, additional water consumption and wastewater generation, which are a source of emissions, are not expected because Alternative 1 would result in the installation of more water-efficient appliances and plumbing fixtures at the new facilities, as compared to those that presently exist in the older buildings, in compliance with the CALGreen Code. Thus, the small increase in the number of persons would be offset by the installation of water-efficient appliances and fixtures. Therefore, water-related emissions were not estimated for Alternative 1.

Finally, as provided in the Traffic Impact Analysis report (see Appendix H of the EIR), Alternative 1 is not anticipated to significantly increase the number of average daily trips or trip lengths, or the quantity of vehicle miles traveled by users of the Project's general aviation facilities and amenities by more than one percent; therefore, operational emissions attributable to the use of passenger vehicles are not estimated in this report.

2.0 REGULATORY SETTING

This air quality assessment of the Proposed Project and its alternatives was conducted in accordance with the guidelines provided in the most recent version of the Federal Aviation Administration's (FAA) *Aviation Emissions and Air Quality Handbook*.² Reference also was made to the 1993 CEQA Air Quality Handbook published by the South Coast Air Quality Management District (SCAQMD) and other CEQA guidance provided by the SCAQMD.³

2.1 POLLUTANTS OF CONCERN

The United States Environmental Protection Agency (USEPA) is the primary Federal agency responsible for regulating air quality. The USEPA implements the provisions of the Federal Clean Air Act (CAA). The CAA, including the 1990 Amendments, provides for the establishment of standards and programs to evaluate, achieve, and maintain acceptable air quality in the U.S. Under the CAA, the USEPA established a set of standards, or criteria, for six pollutants determined to be potentially harmful to human health and welfare.⁴ The USEPA considers the presence of the following six criteria pollutants to be indicators of air quality:

- Ozone (O₃);
- Carbon monoxide (CO);
- Nitrogen dioxide (NO₂);
- Particulate matter (PM₁₀ and PM_{2.5});⁵
- Sulfur dioxide (SO₂); and,
- Lead (Pb).

The standards for the criteria pollutants, known as the National Ambient Air Quality Standards (NAAQS), are summarized in Table 1. For each of the criteria pollutants, the USEPA established primary standards intended to protect public health, and secondary standards for the protection of other aspects of public welfare, such as preventing materials damage, preventing crop and vegetation damage, and assuring good visibility.

² Federal Aviation Administration, *Aviation Emissions and Air Quality Handbook*, Version 3 Update 1, January 2015.

³ See <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook> (accessed March 2018) for relevant CEQA guidance published by the SCAQMD relating to, among other topics, significance thresholds.

⁴ USEPA, Code of Federal Regulations, Title 40, Part 50 (40 CFR Part 50) *National Primary and Secondary Ambient Air Quality Standards (NAAQS)*, July 2011.

⁵ PM₁₀ and PM_{2.5} are airborne inhalable particles that are less than ten micrometers (coarse particles) and less than 2.5 micrometers (fine particles) in diameter, respectively.

Table 1 National Ambient Air Quality Standards

POLLUTANT		PRIMARY/ SECONDARY	AVERAGING TIME	LEVEL	FORM
Carbon Monoxide		primary	8 hour	9 ppm	Not to be exceeded more than once per year
			1 hour	35 ppm	
Lead		primary and secondary	Rolling 3-month average	0.15 µg/m ³ (1)	Not to be exceeded
Nitrogen Dioxide		primary	1 hour	100 ppb	98 th percentile of 1- hour daily maximum concentrations, averaged over 3 years
		primary and secondary	1 year	53 ppb (2)	Annual Mean
Ozone		primary and secondary	8 hour	0.070 ppm (3)	Annual fourth-highest daily maximum 8-hr concentration, averaged over 3 years
Particulate Matter	PM _{2.5}	primary	1 year	12.0 µg/m ³	annual mean, averaged over 3 years
		secondary	1 year	15.0 µg/m ³	annual mean, averaged over 3 years
	primary and secondary		24 hour	35 µg/m ³	98 th percentile, averaged over 3 years
	PM ₁₀	primary and secondary	24 hour	150 µg/m ³	Not to be exceeded more than once per year on average over 3 years
Sulfur Dioxide		primary	1 hour	75 ppb (4)	99 th percentile of 1- hour daily maximum concentrations, averaged over 3 years
		secondary	3 hour	0.5 ppm	Not to be exceeded more than once per year

- (1) In areas designated nonattainment for the Pb standards prior to the promulgation of the current (2008) standards, and for which implementation plans to attain or maintain the current (2008) standards have not been submitted and approved, the previous standards (1.5 µg/m³ as a calendar quarter average) also remain in effect.
- (2) The level of the annual NO₂ standard is 0.053 ppm. It is shown here in terms of ppb for the purposes of clearer comparison to the 1-hour standard level.
- (3) Final rule signed October 1, 2015, and effective December 28, 2015. The previous (2008) O₃ standards additionally remain in effect in some areas. Revocation of the previous (2008) O₃ standards and transitioning to the current (2015) standards will be addressed in the implementation rule for the current standards.
- (4) The previous SO₂ standards (0.14 ppm 24-hour and 0.03 ppm annual) will additionally remain in effect in certain areas: (1) any area for which it is not yet 1 year since the effective date of designation under the current (2010) standards, and (2) any area for which an implementation plan providing for attainment of the current (2010) standard has not been submitted and approved and which is designated nonattainment under the previous SO₂ standards or is not meeting the requirements of a State Implementation Plan (SIP) call under the previous SO₂ standards (40 CFR 50.4(3)). A SIP call is an EPA action requiring a state to resubmit all or part of its SIP to demonstrate attainment of the required NAAQS.

Notes: ppm is parts per million; ppb is parts per billion, and µg/m³ is micrograms per cubic meter.
Source: EPA, <https://www.epa.gov/criteria-air-pollutants/naaqs-table> accessed December 2017.

The California Air Resources Board (CARB), established in 1967, is the primary State agency responsible for enacting regulations to attain and maintain healthy air quality and conduct research into the causes and solutions to air pollution. In furtherance of its responsibilities, CARB has established standards for pollutants of concern, which are considered indicators of air quality. These standards, known as the California Ambient Air Quality Standards (CAAQS), are summarized in Table 2. Areas of the state where air pollution levels consistently exceed these standards may be designated nonattainment by CARB.

Table 2 California Ambient Air Quality Standards

POLLUTANT	AVERAGING PERIOD	STANDARD
Lead (Pb)	30-Day Average	1.5 $\mu\text{g}/\text{m}^3$
Ozone (O ₃)	8-Hour Average	0.070 PPM
	1-Hour Average	0.09 PPM
Carbon Monoxide (CO)	8-Hour Average	9 PPM
	1-Hour Average	20 PPM
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean	0.030 PPM
	1-Hour Average	0.18 PPM
Sulfur Dioxide (SO ₂)	24-Hour Average	0.04 PPM
	1-Hour Average	0.25 PPM
Particulate Matter (PM ₁₀)	Annual Arithmetic Mean	20 $\mu\text{g}/\text{m}^3$
	24-Hour Average	50 $\mu\text{g}/\text{m}^3$
Particulate Matter (PM _{2.5})	Annual Arithmetic Mean	12 $\mu\text{g}/\text{m}^3$
Sulfates	24-Hour Average	25 $\mu\text{g}/\text{m}^3$
Vinyl Chloride	24-Hour Average	0.01 PPM

Notes: PPM is parts per million; $\mu\text{g}/\text{m}^3$ is micrograms per cubic meter.

Sources: CARB Website, *Ambient Air Quality Standards*, accessed at <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>, May 2016.

Specific geographic areas are classified as either "attainment" or "nonattainment" areas for each pollutant based upon the comparison of measured data with the NAAQS and CAAQS. When an area has been reclassified from a nonattainment to an attainment area for a federal standard, the status is identified as "maintenance", and there must be a plan and measures that will keep the region in attainment for the following ten years. Areas designated as "nonattainment" for purposes of NAAQS compliance are required to prepare regional air quality plans, which set forth a strategy for bringing an area into compliance with the standards. These regional air quality plans developed to meet federal requirements are included in an overall program referred to as the State Implementation Plan (SIP).

CARB is also responsible for compiling the SIP for submission to the USEPA. Components of the SIP are prepared by local air pollution control districts in coordination with CARB.

The pollutants of concern related to airport activities in this analysis include ozone, carbon monoxide, volatile organic compounds, nitrogen dioxide, sulfur dioxide, and particulate matter. Since 1975, lead emissions have been in decline due in part to the introduction of catalyst-equipped vehicles and decline in production of leaded gasoline. In general, an analysis of lead is limited to projects that emit significant

quantities of the pollutant (i.e., lead smelters) and generally are not undertaken for transportation projects; therefore, lead emissions are not included in this emissions inventory.

Ozone (O₃) – Ozone is a pollutant, which is not directly emitted; rather, ozone is formed in the atmosphere through photochemical reactions between nitrogen oxides (NO_x), volatile organic compounds (VOC), sunlight, and heat. Ozone is the primary constituent of smog and, because it is formed in the atmosphere, may result in health problems many miles away from the pollutant sources.

People with lung disease, children, older adults, and people who are active can be affected when ozone levels are unhealthy. Numerous scientific studies have linked ground-level ozone exposure to a variety of problems, including:

- lung irritation that can cause inflammation much like a sunburn;
- wheezing, coughing, pain when taking a deep breath, and breathing difficulties during exercise or outdoor activities;
- permanent lung damage to those with repeated exposure to ozone pollution; and
- aggravated asthma, reduced lung capacity, and increased susceptibility to respiratory illnesses like pneumonia and bronchitis.

Carbon Monoxide (CO) - Carbon monoxide is a colorless, odorless gas primarily associated with the incomplete combustion of fossil fuels in motor vehicles. CO combines with hemoglobin in the bloodstream and reduces the amount of oxygen that can be circulated through the body. High CO concentrations can lead to headaches, aggravation of cardiovascular disease, and impairment of central nervous system functions. CO concentrations can vary greatly over comparatively short distances. Relatively high concentrations are typically found near crowded intersections, along heavily used roadways carrying slow-moving traffic, and at or near ground level. Even under the most severe meteorological and traffic conditions, high concentrations of CO are limited to locations within a relatively short distance of heavily traveled roadways. Overall CO emissions are decreasing as a result of the Federal Motor Vehicle Control Program, which has mandated increasingly lower emission levels for vehicles manufactured since 1973.

Volatile Organic Compound (VOC) – VOCs are gases that are emitted from solids or liquids, such as stored fuel, paint, asphalt, and cleaning fluids. VOCs include a variety of chemicals, some which can have short and long-term adverse health effects. VOCs are precursor pollutants that react with heat, sunlight and nitrogen oxides to form ozone. VOCs can also mix with other gases to form fine particulate matter (PM_{2.5}).

Nitrogen Dioxide (NO₂) - Nitrogen gas, normally relatively inert (unreactive), comprises about 80% of the air. At high temperatures (i.e., in the combustion process) and under certain other conditions it can combine with oxygen, forming several different gaseous compounds collectively called nitrogen oxides. Nitric oxide (NO) and NO₂ are the two most important compounds. Nitric oxide is converted to NO₂ in the atmosphere. NO₂ is a red-brown pungent gas. Motor vehicle emissions are the main source of NO_x in urban areas.

NO₂ is toxic to various animals as well as to humans. Its toxicity relates to its ability to form nitric acid with water in the eye, lung, mucus membrane and skin. In animals, long-term exposure to nitrogen oxides increases susceptibility to respiratory infections lowering their resistance to such diseases as pneumonia and influenza. Laboratory studies show susceptible humans, such as asthmatics, exposed to high concentrations of NO₂ can suffer lung irritation and potentially, lung damage. Epidemiological studies have also shown associations between NO₂ concentrations and daily mortality from respiratory and cardiovascular causes and with hospital admissions for respiratory conditions.

While the NAAQS only addresses NO₂, NO and the total group of nitrogen oxides is of concern. NO and NO₂ are both precursors in the formation of ozone and secondary particulate matter. Therefore, NO_x emissions are typically examined when assessing potential air quality impacts.

Sulfur Dioxide (SO₂) - Sulfur oxides (SO_x) constitute a class of compounds of which SO₂ and sulfur trioxide (SO₃) are of greatest importance. SO₂ is commonly expressed as SO_x since it is a larger subset of SO₂. SO₂ is a colorless gas that is typically identified as having a strong odor and is formed when fuel-containing sulfur, like coal, oil, and/or jet fuel, is burned. SO₂ combines easily with water vapor, forming aerosols of sulfurous acid (H₂SO₃), a colorless, mildly corrosive liquid. This liquid may then combine with oxygen in the air, forming the even more irritating and corrosive sulfuric acid (H₂SO₄). Peak levels of SO₂ in the air can cause temporary breathing difficulty for people with asthma who are active outdoors. Longer-term exposures to high levels of SO₂ gas and particles cause respiratory illness and aggravate existing heart disease.

Particulate Matter (PM₁₀ and PM_{2.5}) - Particulate matter includes both aerosols and solid particles of a wide range of size and composition. PM₁₀ is considered coarse particles with a diameter of 10 micrometers or less, and PM_{2.5}, fine particles with a diameter of 2.5 micrometers or less. Emissions of PM_{2.5} are a subset of emissions of PM₁₀. Particulate matter can be any particle of these sizes, including dust, dirt, and soot. Smaller particulates are of greater concern because they can penetrate deeper into the lungs than large particles.

PM_{2.5} is directly emitted in combustion exhaust and formed from atmospheric reactions between various gaseous pollutants including NO_x, sulfur oxides, and volatile organic compounds. PM₁₀ is generally emitted directly as a result of mechanical processes that crush or grind larger particles or the resuspension of dust, most typically through construction activities and vehicular movements. PM_{2.5} can remain suspended in the atmosphere for days and weeks and can be transported over long distances. PM₁₀ generally settles out of the atmosphere rapidly and is not readily transported over large distances.

The principal health effect of airborne particulate matter is on the respiratory system. Short-term exposures to high PM_{2.5} levels are associated with premature mortality, increased hospital admissions, and emergency room visits. Long-term exposures to high PM_{2.5} levels are associated with premature mortality and development of chronic respiratory disease.

Toxic Air Contaminants (TACs) – Certain air pollutants have been classified as TACs because they are known to increase the risk of cancer and/or other serious health effects, ranging from eye irritation to neurological damage. TACs can also cause ecological impacts. An example of a toxic air pollutant is the chemical benzene (in gasoline), vinyl chloride, and sulfates. Inhaling fumes that contain these TACs could increase your chances of getting cancer. Generally, the primary source of cancer risk is attributed to diesel particulate matter (DPM) and higher risks can be found along transportation corridors and freeways.

2.2 REGULATORY FRAMEWORK

California is divided into 15 Air Basins to better manage air pollution. Air basin boundaries define areas with similar geographical and meteorological features as well as political boundaries. While air pollution can move freely within an air basin, it can also sometimes be transported via air plumes from one basin to another.

JWA is located in the South Coast Air Basin (SCAB). The SCAB is comprised of parts of Los Angeles, Riverside, and San Bernardino counties and all of Orange County. The Basin is bounded on the west by the Pacific Ocean and surrounded on the north, east, and south by mountains. To the north lie the San Gabriel Mountains, to the north and east the San Bernardino Mountains, to the southeast the San Jacinto Mountains, and to the south the Santa Ana Mountains. The Basin forms a low plain and the mountains channel and confine airflow that trap air pollutants.

California has established 35 air pollution control districts to set and enforce regulations to control pollutant emissions from local pollution sources within their jurisdictions. The air district responsible for the SCAB is the SCAQMD. The local air districts are responsible for preparing the portion of the SIP applicable within their boundaries. Among other things, the air districts also adopt and enforce regulations for stationary sources, fugitive dust control, architectural coatings, and other federal and state permitting programs; assist with educational outreach; and, oversee voluntary, incentive-based programs that improve regional air quality.

The Southern California Association of Governments (SCAG) is an important partner to the SCAQMD, as it is the designated metropolitan planning authority for the area. SCAG is responsible for preparing the portion of the SIP that relates to transportation control measures (TCM) as well as providing land use and population projections. TCM are intended to reduce and improve vehicular travel and associated pollutant emissions.

The California Clean Air Act (CCAA) required all air pollution control districts in the state to prepare a plan prior to December 31, 1994 to reduce pollutant concentrations exceeding the CAAQS and ultimately achieve the CAAQS. The districts are required to review and revise these plans every three years. The SCAQMD satisfies this requirement through the publication of an Air Quality Management Plan (AQMP). The AQMP is developed by SCAQMD and SCAG in coordination with local governments and the private sector. The AQMP is incorporated into the SIP by CARB to satisfy the CAA requirements. The SCAQMD and CARB approved an updated AQMP in March 2017, which was further approved by the USEPA as the SIP for the air quality basin in October 2017.⁶

⁶ 82 FR 43176

The engine efficiency and fuel standards for light-duty vehicles are exclusively set by the USEPA and CARB. Tailpipe emissions from aircraft are subject to exclusive federal oversight, therefore neither the State of California nor the County of Orange have the ability to directly regulate or reduce this type of emission. However, the State of California has a number of regulatory standards in place aimed to improve engine efficiency and increase the number of zero-emission vehicles on the road.

For facility improvement projects, the SCAQMD has two Rules that reduce construction emissions, SCAQMD Rule 1113 and SCAQMD Rule 403. SCAQMD Rule 1113 regulates paints and coatings, and specifically limits the VOCs of architectural coatings used in the SCAB. Any person who supplies, sells, offers for sale, or manufactures any architectural coating for use in the SCAQMD must comply with the current VOC standards.

SCAQMD Rule 403 requires projects to prevent, reduce or mitigate fugitive dust emissions from a site. Rule 403 restricts visible fugitive dust to the project property line, restricts the net PM₁₀ emissions to less than 50 micrograms per cubic meter, and restricts the tracking out of bulk materials onto public roads. Additionally, projects must utilize one or more of the best available control measures (identified in the tables within the rule). Control measures may include covering loose material on haul vehicles, watering, using chemical stabilizers and/or ceasing all activities.

2.3 SIGNIFICANCE THRESHOLDS

Appendix G of the *CEQA Guidelines* contains a list of questions that can be used to evaluate the significance of a project's air quality impacts. These questions ask whether a project would:

- Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors);
- Expose sensitive receptors to substantial pollutant concentrations;
- Create objectionable odors affecting a substantial number of people.

**JOHN WAYNE AIRPORT
AIR QUALITY TECHNICAL REPORT**

The SCAQMD also has established significance thresholds, set forth in Table 3, to assess the impacts of project-related construction and operational emissions on regional and local ambient air quality. Should the emissions caused by the GAIP exceed the applicable annual or daily thresholds, it would be considered to have a significant air quality impact.

Table 3 SCAQMD Air Quality Significance Thresholds

Mass Daily Thresholds ^a		
Pollutant	Construction ^b	Operation ^c
NOx	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
PM2.5	55 lbs/day	55 lbs/day
SOx	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
TACs and Odor, and GHG Thresholds		
TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk \geq 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas \geq 1 in 1 million) Chronic & Acute Hazard Index \geq 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO ₂ EQ for industrial facilities	
Ambient Air Quality Standards for Criteria Pollutants ^d		
NO₂ 1-Hour Average Annual Arithmetic Mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.03 ppm (state) and 0.0534 ppm (Federal)	
PM₁₀ 24-Hour Average Annual Average	10.4 $\mu\text{g}/\text{m}^3$ (construction) ^e & 2.5 $\mu\text{g}/\text{m}^3$ (operation) 1.0 $\mu\text{g}/\text{m}^3$	
PM_{2.5} 24-Hour Average	10.4 $\mu\text{g}/\text{m}^3$ (construction) ^e & 2.5 $\mu\text{g}/\text{m}^3$ (operation)	
SO₂ 1-Hour Average 24-Hour Average	0.25 ppm (state) & 0.075 ppm (Federal – 99 th percentile) 0.04 ppm (state)	
Sulfate 24-Hour Average	25 $\mu\text{g}/\text{m}^3$ (state)	
CO 1-Hour Average 8-Hour Average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (Federal) 9.0 ppm (state/Federal)	
Lead 30-Day Average Rolling 3-Month Average	1.5 $\mu\text{g}/\text{m}^3$ (state) 0.15 $\mu\text{g}/\text{m}^3$ (Federal)	

^a Source: SCAQMD CEQA Handbook (SCAQMD, 1993)

^b Construction thresholds apply to both the SCAB and Coachella Valley (Salton Sea and Mojave Desert Air Basins)

^c For Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds

^d Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated

^e Ambient air quality threshold based on SCAQMD Rule 403

Note: lbs/day = pounds per day; ppm = parts per million; $\mu\text{g}/\text{m}^3$ = microgram per cubic meter; MT/yr CO₂EQ = metric tons per year of CO₂ equivalents; \geq = greater than or equal to; > = greater than

Source: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf> Retrieved 11/20/2017

Relatedly, the SCAQMD developed a localized significance threshold (LST) methodology and mass rate look-up tables by source receptor area (SRA) that can be used to determine whether a project may generate significant adverse localized air quality impacts. The LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable state ambient air quality standard, and are developed based on the ambient concentrations of that pollutant for each SRA.⁷

The LST mass rate look-up tables are only applicable to the following criteria pollutants: NO_x, CO, PM₁₀, and PM_{2.5}. LSTs are derived based on the location of the activity (i.e., the source/receptor area); the emission rates of NO_x, CO, PM₁₀, and PM_{2.5}; and the distance to the nearest exposed individual—typically the distance to the nearest residential or commercial land use. The LST methodology presents mass emission rates for each SRA, project sizes of 1, 2, and 5 acres, and nearest receptor distances of 25, 50, 100, 200, and 500 meters. The LST mass rate look-up tables typically only apply to projects that are less than or equal to five acres. However, the LST methodology can be applied to projects larger than five acres as a screening tool. If the emissions from a project with a larger site are less than the allowable emissions for a 5-acre project site, then the larger project site will not result in a significant localized air quality impact. The largest area under construction for the GAIP at one time is approximately 8 acres.

The LSTs used in this report are presented in Table 4. A project with on-site daily emission rates below these thresholds is considered to have a less than significant effect on local air quality. The thresholds are based on the GAIP’s closest sensitive receptor, facility residential community, located approximately 261 meters from the project site. See Figure 1 for a map of the sensitive receptors in the vicinity of the GAIP project area.

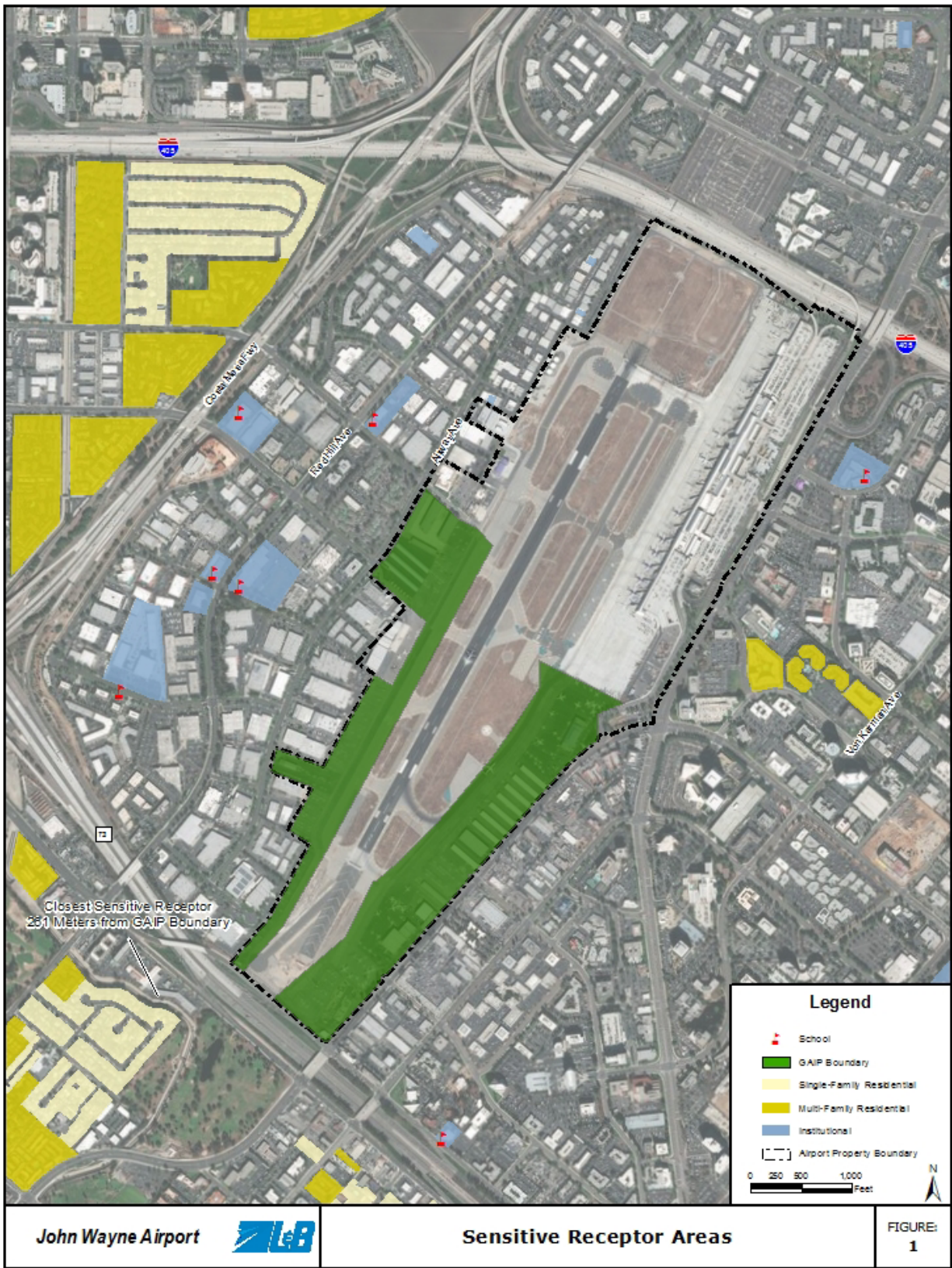
Table 4 SCAQMD Localized Significance Thresholds

	LOCALIZED SIGNIFICANCE THRESHOLD (POUNDS PER DAY)			
	CO	NO_x	PM₁₀	PM_{2.5}
Construction	3,888	223	85	35
Operation	3,888	223	21	9

Source: SCAQMD Localized Significance Thresholds, 2009.

⁷ SCAQMD, Localized Significance Thresholds, 2018. Available on-line: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds>. Accessed February 2018.

Figure 1 Sensitive Receptor Areas



2.4 LOCAL AIR QUALITY CONDITIONS

JWA is located in Orange County, which is included in the SCAB. As seen in Table 5, Orange County is currently in attainment (or unclassified or maintenance) for the federal 24-hour PM₁₀ standard; the federal and state CO standards; the federal NO₂ standards; the federal and state lead standards; the federal and state SO₂ standards; and the state hydrogen sulfide, vinyl chloride, sulfates, and visibility-reducing particles standards. However, Orange County is currently designated as a nonattainment area for the federal and state O₃ standards (“extreme”), the state PM₁₀ standards, and the federal and state PM_{2.5} standards.⁸

Table 5 Local Air Quality Status

Pollutant	Averaging Period	Orange County Attainment Status	
		California Standard	Federal Standard
O ₃	1 hour	Non-Attainment	-
	8 hour	Non-Attainment	Extreme Non-Attainment
PM ₁₀	24 hour	Non-Attainment	Attainment (Maintenance)
	Annual	Non-Attainment	-
PM _{2.5}	24 hour	-	-
	Annual	Non-Attainment	Moderate Non-Attainment
CO	1 hour	Attainment	Attainment (Maintenance)
	8 hour	Attainment	Attainment (Maintenance)
NO ₂	1 hour	Attainment	Attainment (Maintenance)
	Annual	Attainment	Attainment (Maintenance)
Lead	30 day average	Attainment	-
	Rolling 3-month average	-	Attainment
SO ₂	1 hour	Attainment	Attainment
	3 hour	-	Attainment
	24 hour	Attainment	-
H ₂ S	1 hour	Unclassified	-
Vinyl Chloride	24 hour	Unclassified	-
Sulfates	24 hour	Attainment	-
Visibility-Reducing Particles	8 hour	Unclassified	-

Source: Landrum & Brown analysis, 2018.

In May 2015, SCAQMD released a final MATES-IV report,⁹ which estimated that basin wide cancer risk was about 420 in a million, with TACs from mobile sources accounting for 68 percent of this risk on average. Generally, SCAQMD found that the primary source of risk was due to diesel PM, and that higher risks were found along transportation corridors and freeways.

⁸ California State Area Designations, Available on-line: <https://www.arb.ca.gov/desig/adm/adm.htm>. Accessed January 2018.

⁹ SCAQMD, 2008, “Multiple Air Toxics Exposure Study (Mates-IV).” Final Report, SCAQMD, May 2015. Available on-line: <http://www.aqmd.gov/docs/default-source/air-quality/air-toxic-studies/mates-iv/mates-iv-final-draft-report-4-1-15.pdf?sfvrsn=7> Accessed February 2018.

3.0 EXISTING (2016) CONDITIONS

This section describes the methodology used to calculate emissions of the pollutants of concern for the Existing (2016) Conditions.

3.1 WEATHER

The climate in and around the project area, as with all of Southern California, is controlled largely by the strength and position of the subtropical high-pressure cell over the Pacific Ocean.¹⁰ It maintains moderate temperatures and comfortable humidity, and limits precipitation to a few storms during the winter "wet" season. Temperatures are normally mild, excepting the summer months, which commonly bring substantially higher temperatures. In all portions of the basin, temperatures well above 100° F have been recorded in recent years. The annual average temperature in the basin is approximately 62° F.

Winds in the project area are usually driven by the dominant land/sea breeze circulation system.¹¹ Regional wind patterns are dominated by daytime onshore sea breezes. At night, the wind generally slows and reverses direction traveling towards the sea. Wind direction will be altered by local canyons, with wind tending to flow parallel to the canyons. During the transition period from one wind pattern to the other, the dominant wind direction rotates into the south and causes a minor wind direction maximum from the south. The frequency of calm winds (less than 2 miles per hour) is less than 10 percent. Therefore, there is little stagnation in the project vicinity, especially during busy daytime traffic hours.

Southern California frequently has temperature inversions, which inhibit the dispersion of pollutants.¹² Inversions may be either ground based or elevated. Ground based inversions, sometimes referred to as radiation inversions, are most severe during clear, cold, early winter mornings. Under conditions of a ground-based inversion, very little mixing or turbulence occurs, and high concentrations of primary pollutants may occur local to major roadways. Elevated inversions can be generated by a variety of meteorological phenomena. Elevated inversions act as a lid or upper boundary and restrict vertical mixing. Below the elevated inversion, dispersion is not restricted. Mixing heights for elevated inversions are lower in the summer and more persistent. This low summer inversion puts a lid over the SCAB and is responsible for the high levels of ozone observed during summer months in the air basin.

¹⁰ Qualitative PM_{2.5} and PM₁₀ Hot-Spot Analysis, California Department of Transportation, District 7, 2009. Available on-line: http://www.scag.ca.gov/programs/TCWG%20Document%20Library/LA000548_LA0B_875%20Aug%2009/Item4.8-1LA000548_LA0B875QualitativeAnalysis.pdf Accessed January 2018.

¹¹ Ibid.

¹² Ibid.

3.2 MONITORED AIR QUALITY

The SCAQMD has established an air quality monitoring network that measures air pollution at 38 permanent monitoring stations and five single-pollutant source monitoring sites in the SCAB.¹³ The Costa Mesa monitoring station was the closest station to the Airport; it was located approximately three miles southwest of the Airport and monitored O₃, NO₂, CO, and SO₂. The closest monitoring station that monitors particulates is located in Anaheim, approximately 11 miles north of the Airport. In July 2017, the Costa Mesa monitoring station was taken out of service following the sale and demolition of the structure on which it was located. SCAQMD is working to find a suitable location for monitoring within 2.5 miles of the previous Costa Mesa location. SCAQMD is in consultation with USEPA Region IX and is assessing the relocation of the site.

According to SCAQMD, concentrations of the criteria pollutants at the Costa Mesa station were stable over the past few years, with CO, NO₂, SO₂ levels not exceeding federal and state standards.¹⁴ Ozone has exceeded the federal 8-hour standard the last three years. At the Anaheim station, PM_{2.5} levels have exceeded the federal and state standards the last three years and the PM₁₀ levels have exceeded the state standards the last three years.

3.3 SENSITIVE RECEPTORS

Sensitive receptors are segments of the population which are most susceptible to impacts from air pollution, including children, the elderly, and people with pre-existing health problems affected by air quality. Sensitive receptors that could be affected may include residential areas, as well as discrete receptors, including long-term health care facilities, rehabilitation centers, convalescent centers, retirement homes, residences, schools, playgrounds, childcare centers, and athletic facilities.¹⁵ The closest sensitive receptor to the project site is the residential community located approximately 261 meters southwest of the Airport.

3.4 EMISSIONS SOURCES

The primary sources of air emissions accounted for in the inventory data presented in this report include aircraft, APUs, and GSE. The following paragraphs describe the operations data used in the modeling. The FAA's Aviation Environmental Design Tool (AEDT) version 2d was used to model operational air quality emissions at the Airport.

¹³ SCAQMD, Annual Air Quality Monitoring Network Plan, July 2017, Available on-line: <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-monitoring-network-plan/annual-air-quality-monitoring-network-plan-v2.pdf?sfvrsn=12> Accessed on January 2018.

¹⁴ USEPA, AirData Air Quality Monitors, Available on-line: <https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=5f239fd3e72f424f98ef3d5def547eb5&extent=-146.2334,13.1913,-46.3896,56.5319> Accessed on January 2018.

¹⁵ CEQA Air Quality Handbook, SCAQMD, 1993.

3.4.1 EXISTING (2016) OPERATIONS DATA

In 2016, there were 284,246 aircraft operations at JWA. Of these operations, 91,522 were commercial jet air carriers, 9,798 were commercial propeller aircraft, 31,712 were general aviation jets, and 3,862 were helicopter. The remaining 147,352 were propeller driven general aviation aircraft.

3.4.2 EXISTING (2016) FLEET MIX DATA

Specific aircraft types and times of operation were obtained from the 2016 John Wayne General Aviation Noise Ordinance database and input into AEDT. Table 6 provides a summary of the annual operations and fleet mix at JWA, organized by AEDT aircraft type, operation type, and time of day -- daytime (7:00 a.m.–6:59 p.m.), evening (7:00 p.m.–9:59 p.m.), and nighttime (10:00 p.m.–6:59 a.m.) periods.

3.4.3 EXISTING (2016) RUNWAY AND FLIGHT TRACK UTILIZATION

The annual runway end utilization also was derived from John Wayne General Aviation Noise Ordinance database data. Table 7 summarizes the percentage of use by each aircraft category and time of day on each JWA runway. Average taxi times provided by the Airport for commercial aircraft and general aviation aircraft operations were used to model taxiing emissions at JWA.¹⁶

3.4.4 AUXILIARY POWER UNITS

The commercial jet aircraft use APUs while at the gate to operate the heating, air conditioning, and electric systems. The APU is also used to 'start up' or restart the aircraft engines before departing from the gate area. APU usage causes emissions and is under the control of the pilot; therefore, APU use and emissions can vary greatly from one airline to another and even one aircraft to another. Therefore, APUs are modeled by aircraft operation.

The AEDT was used to model APU usage at the Airport by assigning AEDT default APUs to each aircraft operation. AEDT estimated 21,150 annual hours of APU usage at the Airport for the existing condition. It should be noted however that a majority of commercial APU usage is electrified at JWA. Therefore, it is likely the AEDT overestimated the total emissions presented in Section 3.5.

¹⁶ Commercial aircraft were assigned taxi-in and taxi-out times of 5.8 and 9.6 minutes, respectively. General aviation aircraft were assigned taxi-in and taxi-out times of 3.6 and 6 minutes, respectively.

**JOHN WAYNE AIRPORT
AIR QUALITY TECHNICAL REPORT**

Table 6 Distribution of Annual Operations by Aircraft Type 2016

Aircraft Type	AEDT Type	Arrival			Departures			Total
		Day	Eve	Night	Day	Eve	Night	
LARGE AIRCRAFT								
Airbus 319-131	A319-131191_A	2,194	853	83	2,856	247	27	6,260
Airbus 320-232	A320-232202_A	816	393	122	1,299	17	15	2,662
Airbus 320-211	A320-211201_A	784	107	2	713	179	2	1,786
Airbus 321-232	A321-232212_A	174	114	3	274	6	12	582
Airbus 300-662R	A300-622RF46_A	274	6	0	1	279	0	560
Boeing 737-700	737700377_E	9,935	2,542	936	10,959	2,441	13	26,828
Boeing 737-700	737700377_A	8,965	2,294	845	10,260	1,725	119	24,208
Boeing 737-800	737800378_A	6,673	1,726	297	7,914	741	41	17,392
Boeing 756-PW	757PW572_A	719	492	77	1,091	190	7	2,576
REGIONAL JETS								
Bombardier CRJ900	CRJ9-ER9ER_E	1,015	472	161	1,567	66	16	3,298
Embraer 170	EMB170	2,060	611	14	2,164	518	3	5,370
BUSINESS JETS								
Twin Engine Regional Jet	CNA55B	1,777	236	161	1,948	145	80	4,346
Twin Engine Regional Jet	CL600	1,427	201	39	1,544	92	31	3,334
Twin Engine Regional Jet	CNA525C	1,378	158	52	1,439	108	41	3,176
Twin Engine Regional Jet	LEAR35	1,335	125	40	1,357	87	56	3,000
Twin Engine Regional Jet	GIV	1,205	183	42	1,288	110	32	2,860
Twin Engine Regional Jet	CNA560XL	1,019	114	25	1,049	79	30	2,316
Twin Engine Regional Jet	CL601	866	95	10	909	48	14	1,942
Twin Engine Regional Jet	GV	785	115	37	831	92	12	1,872
Twin Engine Regional Jet	CNA750	673	80	8	722	36	2	1,520
Twin Engine Regional Jet	CNA560U	580	109	37	652	45	29	1,452
Twin Engine Regional Jet	MU3001	586	83	55	623	38	63	1,448
Twin Engine Regional Jet	CNA680	491	62	15	520	22	26	1,136
Twin Engine Regional Jet	F10062	418	50	12	448	23	8	958
Twin Engine Regional Jet	CNA510	364	44	11	367	20	32	838
Twin Engine Regional Jet	CIT3	359	30	5	366	26	2	788
Twin Engine Regional Jet	IA1125	208	28	9	226	15	4	490
Twin Engine Regional Jet	ECLIPSE500	102	12	4	93	6	19	236
TURBOPROPS								
Commuter Prop	DHC6	1,246	153	46	1,297	39	109	2,890
Commuter Prop	CNA441	1,277	125	42	1,269	120	55	2,888
Commuter Prop	DO228	156	22	2	149	27	4	360
Commuter Prop	CNA208	1,044	121	87	1,079	112	61	2,504
Commuter Prop	DHC830	578	0	0	577	1	0	1,156
GENERAL AVIATION PROPS								
GA Prop	GASEPF	13,647	1,662	218	14,407	751	369	31,054
GA Prop	CNA172	4,482	401	74	4,469	293	195	9,914
GA Prop	GASEPV	3,056	309	92	3,184	172	100	6,912
GA Prop	BEC58P	1,393	120	16	1,408	77	46	3,060
GA Prop	CNA182	999	127	16	1,032	71	40	2,286
GA Prop	CNA206	691	55	4	723	17	10	1,500
GA Prop	PA28	439	36	8	432	42	9	966
GA Prop	PA31	139	12	1	144	6	1	302
HELICOPTER								
Helicopter	R44	1,343	110	43	1,358	95	43	2,992
Helicopter	SA350D	255	70	111	358	24	53	870
Touch and Go Ops								91,358
TOTAL ANNUAL OPS								284,246

Note: 1. Day = 7:00 a.m. to 6:59 p.m., Eve = 7:00 p.m. to 9:59 p.m., Night = 10:00 p.m. to 6:59 a.m.
2. The AEDT Type column includes aircraft type suffixes that represent the User-defined profile names.

Source: John Wayne General Aviation Noise Ordinance Database Data, January 2016-December 2016; Landrum & Brown, 2017.

Table 7 Runway End Utilization 2016

DAYTIME ARRIVALS				
AIRCRAFT CATEGORY	02L	02R	20L	20R
Large Jets	2.62%	0.00%	0.00%	97.38%
Regional Jets	2.59%	0.00%	0.00%	97.41%
Business Jets	2.40%	0.00%	0.00%	97.60%
Turboprops	2.55%	0.14%	1.97%	95.35%
General Aviation Props	0.89%	1.10%	48.34%	49.67%
DAYTIME DEPARTURES				
AIRCRAFT CATEGORY	02L	02R	20L	20R
Large Jets	3.42%	0.00%	0.00%	96.58%
Regional Jets	2.76%	0.00%	0.00%	97.24%
Business Jets	2.66%	0.00%	0.00%	97.34%
Turboprops	2.29%	0.12%	1.77%	95.82%
General Aviation Props	1.88%	0.64%	44.86%	52.62%
EVENING ARRIVALS				
AIRCRAFT CATEGORY	02L	02R	20L	20R
Large Jets	3.21%	0.00%	0.00%	96.79%
Regional Jets	3.67%	0.00%	0.00%	96.33%
Business Jets	2.70%	0.00%	0.00%	97.30%
Turboprops	2.67%	0.38%	0.00%	96.95%
General Aviation Props	1.03%	0.59%	35.23%	63.16%
EVENING DEPARTURES				
AIRCRAFT CATEGORY	02L	02R	20L	20R
Large Jets	3.06%	0.00%	0.00%	96.94%
Regional Jets	1.15%	0.00%	0.00%	98.85%
Business Jets	2.27%	0.00%	0.00%	97.73%
Turboprops	2.08%	0.64%	4.05%	93.22%
General Aviation Props	1.91%	0.37%	45.93%	51.79%
NIGHTTIME ARRIVALS				
AIRCRAFT CATEGORY	02L	02R	20L	20R
Large Jets	5.80%	0.00%	0.00%	94.20%
Regional Jets	2.99%	0.00%	0.00%	97.01%
Business Jets	4.88%	0.00%	0.00%	95.12%
Turboprops	3.68%	0.00%	2.43%	93.89%
General Aviation Props	2.69%	2.06%	15.46%	79.79%
NIGHTTIME DEPARTURES				
AIRCRAFT CATEGORY	02L	02R	20L	20R
Large Jets	6.67%	0.00%	0.00%	93.33%
Regional Jets	0.00%	0.00%	0.00%	100.00%
Business Jets	26.54%	0.00%	0.00%	73.46%
Turboprops	71.65%	3.88%	0.00%	24.47%
General Aviation Props	27.16%	0.38%	21.70%	50.75%

Note: Day = 7:00 a.m. to 6:59 p.m., Eve = 7:00 p.m. to 9:59 p.m., Night = 10:00 p.m. to 6:59 a.m.

Source: John Wayne General Aviation Noise Ordinance Database Data, January 2016-December 2016; Landrum & Brown, 2017.

3.4.5 GROUND SUPPORT EQUIPMENT

GSE is used to service aircraft between flights. Typical GSE includes air conditioning, air start, baggage tractors, belt loaders, and emergency vehicles that support airport operations. The AEDT defaults were used to model the GSE usage for commercial operations at the Airport. However, it should be noted that approximately 60 percent of commercial GSE usage is electrified. Therefore, it is likely the GSE emissions attributed to commercial operations included in the estimate presented in Section 3.5 overestimates emissions from GSE. The actual general aviation GSE usage was provided by the Airport and was used to model general aviation GSE emissions in AEDT. The percentage of GSE type by fuel type and annual operating hours used in the AEDT modeling for general aviation operations in the Existing (2016) Conditions are shown in Table 8.

Table 8 General Aviation GSE – Existing (2016) Conditions

AEDT GSE TYPE	FUEL TYPE	PERCENT OF GSE TYPE USAGE	ANNUAL OPERATING HOURS
Aircraft Tractor	Diesel	44.00%	3,935
Aircraft Tractor	Electric	47.63%	4,260
Aircraft Tractor	Gasoline	8.37%	749
Cart	Electric	100.00%	125
Fuel Truck	Diesel	100.00%	4,400
GPU	Diesel	100.00%	6,000
Hydrant Truck	Electric	100.00%	100
Lavatory Truck	Electric	100.00%	728
Service Truck	Electric	100.00%	1,675
Fork Lift	Propane	100.00%	200

Source: JWA, Landrum & Brown analysis, 2018.

3.5 EMISSIONS INVENTORY

The AEDT was used to model aircraft operations at the Airport, along with GSE and APU usage. The model estimates the quantity of emissions of the pollutants in pounds per day. The emission inventory for the Existing (2016) Conditions is provided in Table 9.

Table 9 Emissions Inventory –Existing (2016) Conditions

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	5,239.9	389.3	2,274.0	234.8	23.3	23.3
GSE	890.6	32.3	111.1	4.7	5.0	4.8
APU	87.1	6.0	97.5	13.9	11.3	11.3
Total	6,217.6	427.6	2,482.6	253.3	39.6	39.4

Note: APU and GSE usage is largely limited to commercial aircraft

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

4.0 CONSTRUCTION ACTIVITIES

Construction estimates (including phase durations and estimated quantities) for the Proposed Project and Alternative 1 were based on the preliminary engineering data available at the time the modeling was completed for this EIR. The estimates were developed by AECOM and JWA staff. The construction phasing plans identify 15 main phases and the schedule reflects full removal and replacement of the general aviation aprons and service roads.

4.1 PROPOSED PROJECT

Construction for the Proposed Project is anticipated to take approximately eight years and is projected to start in 2019 and be completed in 2026. The Proposed Project construction phases and estimated building sizes are detailed in Table 10 and Figure 2.

4.2 ALTERNATIVE 1

Construction for Alternative 1 is anticipated to take approximately eight years and is projected to start in 2019 and be completed in 2026. The Alternative 1 construction phases are detailed in Table 11 and Figure 3.

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Table 10 Proposed Project Construction Phases

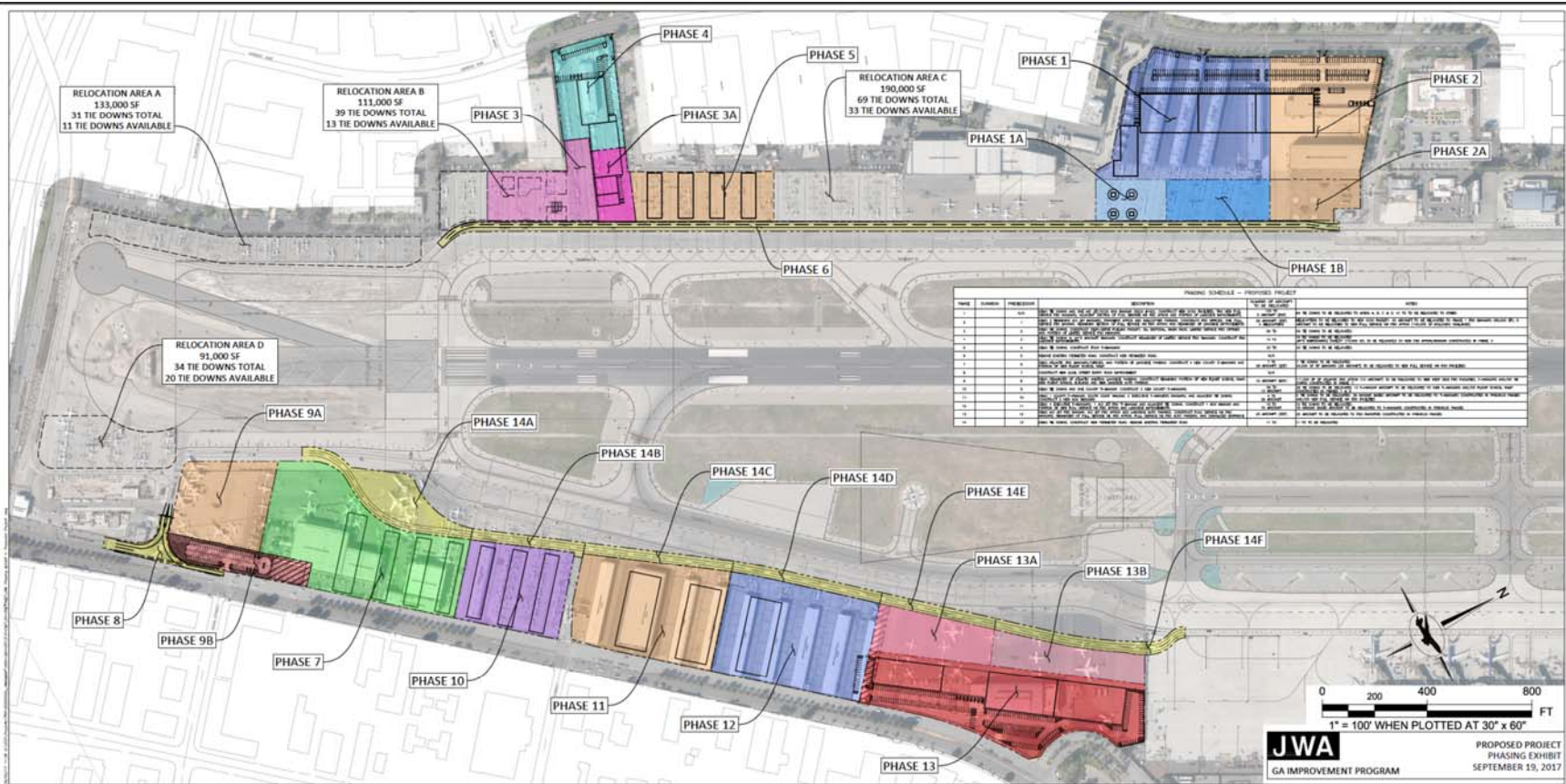
PHASE	ACTIVITY	DURATION (DAYS)	FOOTPRINT	UNIT
1	Barricades, Demo and Relocations	65	196,894	SF
1	Construct New Sheriff's Office	160	20,232	SF
1	Construction of FBO	110	33,000	SF
1	Construction of Apron	35	10,500	SY
1	Construction of Park Spaces / Lighting	31	9,233	SY
1A	Barricade, Demo Phase 1 A and Utility Relocation	40	42,466	SF
1A	Subgrade and Curbing	15	42,466	SF
1A	Construction of tie-down area Pavement	30	4,718	SY
1B	Barricade, Demo Phase 1 B and Utility Relocation	40	62,555	SF
1B	Subgrade and Curbing	15	62,555	SF
1B	Construction of tie-down area Pavement	30	6,951	SY
2	Barricade, Demo and Relocations	45	197,146	SF
2	Construct Office	130	29,125	SF
2	Construct FBO	110	33,000	SF
2	Construction of Apron	35	13,449	SY
2	Construction of Park Spaces / Lighting	31	7,791	SY
3-3A	Barricade, Demo and Relocations	45	127,380	SF
3-3A	Construction of FBO	115	16,793	SF
3-3A	Construct Office	75	7,378	SF
3-3A	Construction Two (2) Aircraft Service Areas	30	12,561	SF
3-3A	Construction of Apron	35	11,878	SY
3-3A	Construction of Park Spaces / Lighting	19	106,898	SF
4	Barricade, Demo and Relocations	50	78,342	SF
4	Construction of FBO	80	25,389	SF
4	Construction of Apron	35	2,719	SY
4	Construction of Park Spaces / Lighting	31	1,949	SY
4	Construction of Park Spaces / Lighting	31	1,949	SY
5	Barricade, Demo and Relocations	30	103,214	SF
5	Construction of FBO 4	45	39,200	SF
5	Construction of Apron	35	7,113	SY
6	Barricade, Demo and Relocations	10	134,505	SF
6	Demo marking	4	134,505	SF
6	Road Relocated	45	14,945	SF
6	New Marking	6	134,505	SF

**JOHN WAYNE AIRPORT
AIR QUALITY TECHNICAL REPORT**

PHASE	ACTIVITY	DURATION (DAYS)	FOOTPRINT	UNIT
7	Barricade, Demo and Relocations	60	184,103	SF
7	Construction of T Hangers	88	66,882	SF
8	Construction Modify Entrance Next to Phase 8 &9	110	110,478	SF
9A	Barricade, Demo and Relocations	30	34,219	SF
9A	Construction Trench Drains and Site Utilities	35	41,329	SF
9A	Concrete	35	1,885	SY
9B	Barricade, Demo and Relocations	30	17,110	SF
9B	Construction of Flight School Office	75	10,000	SF
9B	Construction of Park Spaces / Lighting	41	2,707	SY
9B	Misc. Concrete	25	24,361	SF
10	Barricade, Demo and Relocations	30	129,433	SF
10	Construction of T- Hangers and Apron Paving	75	48,319	SF
10	Construction of Waste Oil Separator-Drum Storage Area	55	81,114	SF
10	Misc. Concrete	25	8,600	SY
11	Demo and Relocations	35	204,617	SF
11	Construction of Box Hangers and Surface Repairs	81	69,544	SF
11	Misc. Concrete	25	17,320	SF
12	Demo and Relocations	25	143,733	SF
12	Construction Box Hanger and T Hangers	75	34,761	SF
12	Apron Concrete	30	20,875	SY
12	Construction of Park Spaces / Lighting	31	189,878	SF
12	Misc. Concrete	25	2,000	SF
13	Demo and Relocations	31	355,459	SF
13	Construction of FBO Hangers	63	103,295	SF
13	Construction of Offices	90	18,000	SF
13	Construction Set up of Customs Area	30	18,000	SF
13	Construction of Park Spaces / Lighting	50	3,333	SY
13	Construction of Parking Garage	140	175,528	SF
13	Apron Concrete	45	16,728	SY
14	Demo marking	4	23,866	SF
14	East Access Road Relocation	50	2,652	SY
14	New Marking	6	23,866	SF
15	Install Traffic Signals	60	21,312	SY
15	New Marking	1	191,807	SF

Source: AECOM, John Wayne Airport, 2017.

Figure 2 Construction Phasing – Proposed Project



Note: Sub-phases shown in the diagram may be grouped together in the construction phasing table.
 Source: AECOM, John Wayne Airport, 2017.

Table 11 Alternative 1 Construction Phases

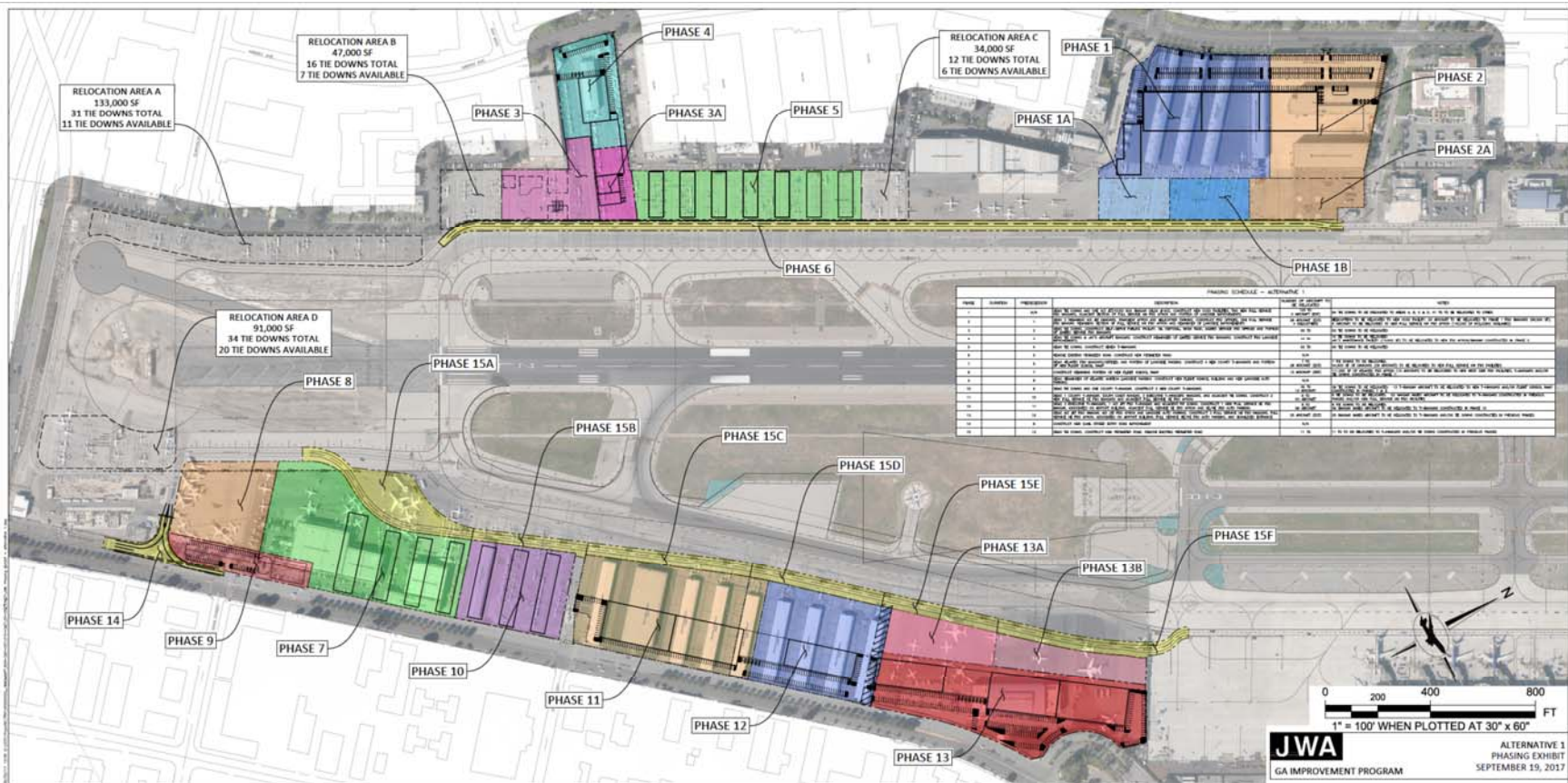
PHASE	ACTIVITY	DURATION (DAYS)	FOOTPRINT	UNIT
1	Barricades, Demo and Relocations	65	191,737	SF
1	Construct New Sheriff's Office	160	20,232	SF
1	Construction of FBO	110	33,000	SF
1	Construction of Apron	35	10,500	SY
1	Construction of Park Spaces / Lighting	31	8,718	SY
1A	Barricade, Demo Phase 1 A and Utility Relocation	40	43,038	SF
1A	Subgrade and Curbing	15	43,038	SF
1A	Construction of tie-down area Pavement	30	4,782	SY
1B	Barricade, Demo Phase 1 B and Utility Relocation	40	48,384	SF
1B	Subgrade and Curbing	15	48,384	SF
1B	Construction of tie-down area Pavement	30	5,376	SY
2-2A	Barricade, Demo and Relocations	45	156,241	SF
2-2A	Construct Office	130	29,125	SF
2-2A	Construct FBO	110	33,000	SF
2-2A	Construction of Apron	35	13,800	SY
2-2A	Construction of Park Spaces / Lighting	31	7,913	SY
3-3A	Barricade, Demo and Relocations	45	119,871	SF
3-3A	Construction of FBO	115	16,793	SF
3-3A	Construct Office	75	7,378	SF
3-3A	Construction Two (2) Aircraft Service Areas	30	12,561	SF
3-3A	Construction of Apron	35	10,633	SY
3-3A	Construction of Park Spaces / Lighting	19	106,898	SF
4	Barricade, Demo and Relocations	50	78,767	SF
4	Construction of FBO	80	25,389	SF
4	Construction of Apron	35	2,719	SY
4	Construction of Park Spaces / Lighting	31	1,949	SY
4	Construction of Park Spaces / Lighting	31	1,949	SY
5	Barricade, Demo and Relocations	30	162,414	SF
5	Construction of FBO 4	45	71,200	SF
5	Construction of Apron	35	10,135	SY
6	Barricade, Demo and Relocations	10	152,000	SF
6	Demo marking	4	134,505	SF
6	Road Relocated	45	16,889	SY
6	New Marking	6	152,000	SF

**JOHN WAYNE AIRPORT
AIR QUALITY TECHNICAL REPORT**

PHASE	ACTIVITY	DURATION (DAYS)	FOOTPRINT	UNIT
7	Barricade, Demo and Relocations	60	186,075	SF
7	Construction of T Hangers	88	69,200	SF
8	Barricade, Demo and Relocations	30	111,087	SF
8	Construction Trench Drains and Site Utilities	35	111,087	SF
8	Concrete	35	12,343	SY
9	Barricade, Demo and Relocations	30	53,316	SF
9	Construction of Flight School Office	75	10,000	SF
9	Construction of Park Spaces / Lighting	41	3,833	SY
9	Misc. Concrete	25	747	SY
10	Barricade, Demo and Relocations	30	129,906	SF
10	Construction of T- Hangers and Apron Paving	75	51,000	SF
10	Construction of Waste Oil Separator-Drum Storage Area	55	81,114	SF
10	Misc. Concrete	25	8,600	SY
11	Demo and Relocations	35	155,077	SF
11	Construction of FBO Hangers and Surface Repairs	81	76,000	SF
11	Misc. Concrete	25	10,743	SY
11	Construction of Park Spaces / Lighting	35	3,733	SY
12	Demo and Relocations	25	120,369	SF
12	Construction of FBO Hangars and Office	85	39,670	SF
12	Apron Concrete	45	7,967	SY
12	Construction of Park Spaces / Lighting	35	143,399	SF
13	Demo and Relocations	31	341,494	SF
13	Construction of FBO Hangers	63	103,295	SF
13	Construction of Offices	90	18,000	SF
13	Construction Set up of Customs Area	30	18,000	SF
13	Construction of Park Spaces / Lighting	50	3,333	SY
13	Construction of Parking Garage	140	175,528	SF
13	Apron Concrete	45	15,404	SY
14	Demo marking	4	26,500	SF
14	East Access Road Relocation	50	2,778	SY
14	New Marking	6	26,500	SF
15	Install Traffic Signals	60	23,572	SY
15	New Marking	1	212,148	SF

Source: AECOM, John Wayne Airport, 2017.

Figure 3 Construction Phasing – Alternative 1



Note: Sub-phases shown in the diagram may be grouped together in the construction phasing table.
 Source: AECOM, John Wayne Airport, 2017.

4.3 CONSTRUCTION EMISSIONS

Emissions during construction at the Airport were calculated using the California Emissions Estimator Model (CalEEMod) program (version 2016.3.2). The CalEEMod model calculates emissions resulting from each construction activity. CalEEMod defaults were used for equipment and trip generation data. The CalEEMod defaults include the implementation of Rule 1113. Furthermore, to comply with Rule 403, construction modeling assumed water would be applied to disturbed areas of the site three times a day with a control efficiency of 61 percent. The CalEEMod output files are available in **Attachment 2 – Computer Modeling Files**.

The construction emission inventory, which accounts for the on-site maximum daily values for the construction of the Proposed Project, is shown in Table 12.

Table 12 Construction Emissions – Proposed Project

ACTIVITY / YEAR	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Construction - 2019	137.5	19.3	189.1	0.2	14.8	11.3
Construction - 2020	154.7	20.2	198.4	0.3	16.1	11.5
Construction - 2021	128.0	15.7	142.9	0.2	9.1	7.3
Construction - 2022	134.2	16.3	129.9	0.2	10.3	6.7
Construction - 2023	84.9	8.9	83.6	0.1	7.8	4.9
Construction - 2024	147.2	15.5	132.6	0.3	14.9	7.9
Construction - 2025	202.8	17.4	147.3	0.3	8.7	6.5
Construction - 2026	59.2	57.8	38.3	0.1	1.8	1.6

Note: PM₁₀ and PM_{2.5} emissions estimates are based on compliance with SCAQMD Rule 403 requirements for fugitive dust suppression.

Source: CalEEMod, Landrum & Brown analysis, 2017.

Construction of the Proposed Project would result in the highest NO_x, PM₁₀ and PM_{2.5} emissions during the second construction year in 2020 when a significant amount of demolition and building construction would take place. The highest CO emissions would occur during 2025 when demolition would take place. The highest VOC emissions would occur during the last construction year in 2026 when new markings of the East Access Road relocation would be painted. Peaks in SO_x emissions occur in 2020, 2024, and 2025 when demolition and grading activities take place.

The construction emission inventory, which accounts for the on-site maximum daily values for Alternative 1, is shown in Table 13.

Table 13 Construction Emissions – Alternative 1

ACTIVITY / YEAR	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Construction - 2019	155.0	21.8	214.6	0.3	18.4	13.0
Construction - 2020	157.0	20.4	200.5	0.3	15.9	11.6
Construction - 2021	128.0	15.7	142.9	0.2	10.5	7.5
Construction - 2022	152.0	26.8	140.6	0.3	17.9	8.4
Construction - 2023	120.3	12.2	116.0	0.2	11.5	6.9
Construction - 2024	124.5	13.2	111.4	0.2	11.8	6.7
Construction - 2025	204.3	17.5	151.2	0.3	10.9	6.9
Construction - 2026	89.9	65.9	59.4	0.1	2.7	2.5

Note: PM₁₀ and PM_{2.5} emissions estimates are based on compliance with SCAQMD Rule 403 requirements for fugitive dust suppression.

Source: Landrum & Brown analysis, 2017.

Construction of Alternative 1 would result in the highest NO_x, PM₁₀, and PM_{2.5} emissions during the first construction year in 2019 when a significant amount of demolition and building construction would take place. The highest VOC emissions would occur during the last construction year in 2026 when building and hangar construction as well as paint of new markings of the East Access Road relocation would take place. The highest CO emissions would occur during 2025 when demolition and construction activities would take place. Peaks in SO_x emissions occur in 2019, 2020 and 2025 when demolition and grading activities take place.

4.4 IMPACT ANALYSIS

Daily construction emissions caused by the implementation of the Proposed Project and Alternative 1 are presented in Table 14. The emissions were compared to the SCAQMD thresholds for construction activities.

As shown in Table 14, construction of both the Proposed Project and Alternative 1 would cause daily emissions that would equal or exceed the relevant SCAQMD thresholds of the pollutants of concern for construction activities. Specifically, the construction emissions resulting from the Proposed Project and Alternative 1 would exceed the SCAQMD threshold for NO_x. The construction emissions resulting from the Proposed Project and Alternative 1 would not exceed the SCAQMD thresholds for CO, VOC, SO_x, PM₁₀ and PM_{2.5}.

Table 14 Daily Construction Emissions

SCENARIOS	DAILY CONSTRUCTION EMISSIONS (LBS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
<i>Significance Threshold</i>	<i>N/A</i>	<i>75</i>	<i>100</i>	<i>150</i>	<i>150</i>	<i>55</i>
<i>Localized Significance Threshold</i>	<i>3,888</i>	<i>N/A</i>	<i>223</i>	<i>N/A</i>	<i>85</i>	<i>35</i>
2019						
Proposed Project	137.5	19.3	189.1	0.2	14.8	11.3
Alternative 1	155.0	21.8	214.6	0.3	18.4	13.0
2020						
Proposed Project	154.7	20.2	198.4	0.3	16.1	11.5
Alternative 1	157.0	20.4	200.5	0.3	15.9	11.6
2021						
Proposed Project	128.0	15.7	142.9	0.2	9.1	7.3
Alternative 1	128.0	15.7	142.9	0.2	10.5	7.5
2022						
Proposed Project	134.2	16.3	129.9	0.2	10.3	6.7
Alternative 1	152.0	26.8	140.6	0.3	17.9	8.4
2023						
Proposed Project	84.9	8.9	83.6	0.1	7.8	4.9
Alternative 1	120.3	12.2	116.0	0.2	11.5	6.9
2024						
Proposed Project	147.2	15.5	132.6	0.3	14.9	7.9
Alternative 1	124.5	13.2	111.4	0.2	11.8	6.7
2025						
Proposed Project	202.8	17.4	147.3	0.3	8.7	6.5
Alternative 1	204.3	17.5	151.2	0.3	10.9	6.9
2026						
Proposed Project	59.2	57.8	38.3	0.1	1.8	1.6
Alternative 1	89.9	65.9	59.4	0.1	2.7	2.5
<i>Proposed Project Exceed Significance Threshold?</i>	<i>NO</i>	<i>NO</i>	<i>YES</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
<i>Alternative 1 Exceed Significance Threshold?</i>	<i>NO</i>	<i>NO</i>	<i>YES</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

Note: PM₁₀ and PM_{2.5} emissions estimates are based on compliance with SCAQMD Rule 403 requirements for fugitive dust suppression.

SCAQMD threshold exceedances are in bold.

Source: CalEEMod, Landrum & Brown analysis, 2018.

4.5 ODORS

While offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to considerable distress among the public and often generating citizen complaints. Potential activities that may emit odors during construction activities include the use of architectural coatings and solvents and the combustion of diesel fuel in on- and off-road equipment. However, the implementation of SCAQMD Rule 1113, which was included in the modeling of construction emissions, limits the amount of VOCs in architectural coatings and solvents. In addition, the Airport would comply with the applicable provisions of the CARB Air Toxics Control

Measure regarding idling limitations for diesel trucks. Through mandatory compliance with SCAQMD Rules, no construction activities or materials are expected to create objectionable odors affecting a substantial number of people. Therefore, construction of the Proposed Project and Alternative 1 would result in less-than-significant odor impacts.

4.6 TACs/HUMAN HEALTH/SENSITIVE RECEPTORS

In 1998, the CARB identified diesel particulate matter from diesel-fueled engines as a TAC. It is assumed that the majority of the heavy-duty construction equipment utilized during construction of the Proposed Project and Alternative 1 would be diesel fueled and emit DPM. The expected types of heavy-duty equipment include cranes, excavators, graders, dozers, and scrapers. These pieces of equipment would primarily be used during grading and demolition activities.

During the construction of the Proposed Project and Alternative 1, demolition and grading activities would occur approximately 25 percent of the time throughout the seven-year construction period (approximately 630 days for the Proposed Project and 595 days for Alternative 1). Additionally, not only is the overall percentage of the construction time dedicated to grading and demolition activities relatively short, this would be broken into each of the 14 or 15 primary construction phases, for the Proposed Project and Alternative 1, respectively. Therefore, the grading and demolition would not occur for the estimated 630 days or 595 days straight but would be for short durations as part of each of the phases. The other phases of construction, such as when the vertical development is occurring, do not emit substantial diesel PM.

Given the overall construction schedule and limited durations with grading and demolition activities, the diesel PMs resulting from construction of the Proposed Project and Alternative 1 are not expected to result in a significant impact. Furthermore, all construction activities would be confined to the Airport property and away from sensitive receptors, including residential areas. In addition, MM-AQ-1 requires the use of Tier 4 equipment for construction activities, which requires the use of cleaner engines and would further reduce potential diesel PM emissions during all construction activities.

5.0 OPERATIONAL ACTIVITIES

As a requirement of CEQA, impacts from the Proposed Project, Alternative 1, and the CEQA-mandated No Project Alternative must be evaluated.¹⁷ All three scenarios were evaluated by reference to the Existing (2016) Conditions for commercial operations plus the 2026 general aviation operations associated with full implementation/build-out of the Proposed Project or respective alternative. Therefore, this section evaluates the Existing plus No Project, Existing plus Proposed Project, and Existing plus Alternative 1 scenarios.

5.1 EXISTING PLUS NO PROJECT

The Existing plus No Project scenario consists of the existing 2016 commercial and the estimated 2026 general aviation operations for the No Project scenario based on the *Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts, November 2017*.

5.1.1 EMISSIONS SOURCES

5.1.1.1 Aircraft

Aircraft operations by type of aircraft, runway use, flight track use, and taxi time were used to estimate emissions using AEDT. The following paragraphs describe the operations data used in modeling.

Operations Data Summaries

Table 15 summarizes the total yearly aircraft operations by aircraft type (fleet mix) for the Existing plus No Project scenario. The commercial operations remained the same as the Existing (2016) Conditions. The operations and fleet mix for the general aviation operations was developed based on the *Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts, November 2017*.

Runway Use and Flight Tracks

The flight tracks and runway use developed for the Existing (2016) Conditions were used for the Existing plus No Project scenario. Runway use at JWA is based on aircraft size with commercial aircraft and large jets using Runway 20R and smaller general aviation aircraft using Runway 20L. There is no reason to believe that this will change as it is primarily driven by the relative length of the two runways. Existing flight tracks were assumed to remain the same for the Existing plus No Project scenario modeling as any changes that could be made in the future would be speculative.

¹⁷ SCAQMD CEQA Handbook, 1993.

Table 15 Annual Aircraft Operations – Existing Plus No Project

Aircraft type	AEDT Type	Existing + No Project
LARGE AIRCRAFT		
Airbus 319-131	A319-131191_A	6,260
Airbus 320-232	A320-232202_A	2,662
Airbus 320-211	A320-211201_A	1,786
Airbus 321-232	A321-232212_A	582
Airbus 300-662R	A300-622RF46_A	560
Boeing 737-700	737700377_E	26,828
Boeing 737-700	737700377_A	24,208
Boeing 737-800	737800378_A	17,392
Boeing 756-PW	757PW572_A	2,576
Large Aircraft Subtotal		82,854
REGIONAL JETS		
Bombardier CRJ900	CRJ9-ER9ER_E	3,298
Embraer 170	EMB170	5,370
Regional Jets Subtotal		8,668
BUSINESS JETS		
Twin Engine Regional Jet	CNA55B	5,249
Twin Engine Regional Jet	CL600	4,027
Twin Engine Regional Jet	CNA525C	3,836
Twin Engine Regional Jet	LEAR35	3,623
Twin Engine Regional Jet	GIV	3,454
Twin Engine Regional Jet	CNA560XL	2,797
Twin Engine Regional Jet	CL601	2,345
Twin Engine Regional Jet	GV	2,261
Twin Engine Regional Jet	CNA750	1,836
Twin Engine Regional Jet	CNA560U	1,754
Twin Engine Regional Jet	MU3001	1,749
Twin Engine Regional Jet	CNA680	1,372
Twin Engine Regional Jet	F10062	1,157
Twin Engine Regional Jet	CNA510	1,012
Twin Engine Regional Jet	CIT3	952
Twin Engine Regional Jet	IA1125	592
Twin Engine Regional Jet	ECLIPSE500	285
Business Jets Subtotal		38,300
TURBO PROPS		
Commuter Prop	DHC6	3,215
Commuter Prop	CNA441	3,213
Commuter Prop	DO228	400
Commuter Prop	CNA208	2,786
Commuter Prop	DHC830	1,286
Turbo Props Subtotal		10,900
GENERAL AVIATION PROPS		
GA Prop	GASEPF	30,980
GA Prop	CNA172	9,890
GA Prop	GASEPV	6,895
GA Prop	BEC58P	3,053
GA Prop	CNA182	2,281
GA Prop	CNA206	1,496
GA Prop	PA28	964
GA Prop	PA31	301
Touch and Go	GASEPF	91,140
General Aviation Props Subtotal		147,000
HELICOPTER		
Helicopter	R44	3,719
Helicopter	SA350D	1,081
Helicopter Subtotal		4,800
Commercial Operations Subtotal		91,522
General Aviation Operations Subtotal		201,000
TOTAL		292,522

Note: Commercial Operations remain constant in each scenario. Commercial operations include the Large and Regional Jet categories.

Source: Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts November 2017; Landrum & Brown, 2018.

Taxi Times

The same taxi times used in the Existing (2016) Conditions were applied to the Existing plus No Project scenario.

5.1.1.2 Auxiliary Power Units

The changes in aircraft operations and fleet mix in the Existing plus No Project scenario would result in changes to APU equipment. The AEDT was used to model APU usage at the Airport by assigning AEDT default APUs to each aircraft operation. AEDT estimated 21,646 annual hours of APU usage at the Airport for the Existing plus No Project scenario. It should be noted however a majority of commercial APU usage is electrified at JWA. Therefore, it is likely the AEDT overestimated the total emissions presented in Section 5.1.2.

5.1.1.3 Ground Support Equipment

The changes in general aviation operations in the Existing plus No Project scenario would result in changes to GSE usage. The general aviation GSE usage for the Existing plus No Project scenario was proportionately increased from the Existing (2016) Conditions by 4.3 percent, in accordance with the estimated increase in general aviation activity identified in the aviation forecast for the Existing plus No Project scenario. This increase reflects the change in general aviation operations from the Existing (2016) Conditions. It was assumed the commercial operation GSE usage would remain the same as the Existing (2016) Conditions. The percentage of GSE type by fuel type and annual operating hours used in the AEDT modeling for general aviation operations in the Existing plus No Project scenario are shown in Table 16.

Table 16 General Aviation GSE – Existing Plus No Project

AEDT GSE TYPE	FUEL TYPE	PERCENT OF GSE TYPE USAGE	ANNUAL OPERATING HOURS
Aircraft Tractor	Diesel	44.00%	4,102
Aircraft Tractor	Electric	47.63%	4,441
Aircraft Tractor	Gasoline	8.37%	781
Cart	Electric	100.00%	130
Fuel Truck	Diesel	100.00%	4,587
GPU	Diesel	100.00%	6,255
Hydrant Truck	Electric	100.00%	104
Lavatory Truck	Electric	100.00%	759
Service Truck	Electric	100.00%	1,746
Fork Lift	Propane	100.00%	209

Source: JWA, Landrum & Brown analysis, 2018.

5.1.2 EMISSIONS INVENTORY

The emissions inventory for the Existing plus No Project scenario is provided in Table 17.

Table 17 Emissions Inventory – Existing Plus No Project

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	5,423.4	416.5	2,305.1	239.7	24.1	24.1
GSE	892.2	32.4	111.8	4.7	5.1	4.8
APU	91.9	6.1	98.9	14.1	11.4	11.4
Total	6,407.6	455.0	2,515.8	258.5	40.7	40.4

Note: APU and GSE usage is largely limited to commercial aircraft

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

5.2 EXISTING PLUS PROPOSED PROJECT

The Existing plus Proposed Project scenario consists of the existing 2016 commercial operations and estimated 2026 general aviation operations for the Proposed Project based on the *Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts, November 2017*.

5.2.1 EMISSIONS SOURCES

5.2.1.1 Aircraft

Aircraft operations by type of aircraft, runway use, flight track use, and taxi time were used to estimate emissions using AEDT. The following paragraphs describe the operations data used in the modeling.

Operations Data Summaries

Table 18 summarizes the total yearly aircraft operations by aircraft type (fleet mix) for the Existing plus Proposed Project scenario. The commercial operations remained the same as the Existing (2016) Conditions. The operations and fleet mix for the general aviation operations was developed based on the *Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts, November 2017*.

Table 18 Annual Aircraft Operations – Existing Plus Proposed Project

Aircraft type	AEDT Type	Existing + Proposed Project
LARGE AIRCRAFT		
Airbus 319-131	A319-131191_A	6,260
Airbus 320-232	A320-232202_A	2,662
Airbus 320-211	A320-211201_A	1,786
Airbus 321-232	A321-232212_A	582
Airbus 300-662R	A300-622RF46_A	560
Boeing 737-700	737700377_E	26,828
Boeing 737-700	737700377_A	24,208
Boeing 737-800	737800378_A	17,392
Boeing 756-PW	757PW572_A	2,576
Large Aircraft Subtotal		82,854
REGIONAL JETS		
Bombardier CRJ900	CRJ9-ER9ER_E	3,298
Embraer 170	EMB170	5,370
Regional Jets Subtotal		8,668
BUSINESS JETS		
Twin Engine Regional Jet	CNA55B	5,537
Twin Engine Regional Jet	CL600	4,247
Twin Engine Regional Jet	CNA525C	4,046
Twin Engine Regional Jet	LEAR35	3,822
Twin Engine Regional Jet	GIV	3,644
Twin Engine Regional Jet	CNA560XL	2,951
Twin Engine Regional Jet	CL601	2,474
Twin Engine Regional Jet	GV	2,385
Twin Engine Regional Jet	CNA750	1,936
Twin Engine Regional Jet	CNA560U	1,850
Twin Engine Regional Jet	MU3001	1,845
Twin Engine Regional Jet	CNA680	1,447
Twin Engine Regional Jet	F10062	1,220
Twin Engine Regional Jet	CNA510	1,068
Twin Engine Regional Jet	CIT3	1,004
Twin Engine Regional Jet	IA1125	624
Twin Engine Regional Jet	ECLIPSE500	301
Business Jets Subtotal		40,400
TURBO PROPS		
Commuter Prop	DHC6	3,451
Commuter Prop	CNA441	3,449
Commuter Prop	DO228	430
Commuter Prop	CNA208	2,990
Commuter Prop	DHC830	1,380
Turbo Props Subtotal		11,700
GENERAL AVIATION PROPS		
GA Prop	GASEPF	23,393
GA Prop	CNA172	7,468
GA Prop	GASEPV	5,207
GA Prop	BEC58P	2,305
GA Prop	CNA182	1,722
GA Prop	CNA206	1,130
GA Prop	PA28	728
GA Prop	PA31	227
Touch and Go	GASEPF	68,820
General Aviation Props Subtotal		111,000
HELICOPTER		
Helicopter	R44	3,719
Helicopter	SA350D	1,081
Helicopter Subtotal		4,800
Commercial Operations Subtotal		91,522
General Aviation Operations Subtotal		167,900
TOTAL		259,422

Note: Commercial Operations remain constant in each scenario. Commercial operations include the Large and Regional Jet categories.

Source: Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts November 2017; Landrum & Brown, 2018.

Runway Use and Flight Tracks

The flight tracks and runway use developed for the Existing (2016) Conditions were used for the Existing plus Proposed Project scenario. As previously discussed, runway use at JWA is based on aircraft size with commercial aircraft and large jets using Runway 20R and smaller general aviation aircraft using Runway 20L. There is no reason to believe that this will change as it is primarily driven by the relative length of the two runways. Existing flight tracks were assumed to remain the same for the Existing plus Proposed Project scenario modeling as any changes that could be made in the future would be speculative.

Taxi Times

The same taxi times used in the Existing (2016) Conditions were applied to the Existing plus Proposed Project scenario.

5.2.1.2 Auxiliary Power Units

The changes in aircraft operations and fleet mix in the Existing plus Proposed Project scenario would result in changes to APU equipment. The AEDT was used to model APU usage at the Airport by assigning AEDT default APUs to each aircraft operation. AEDT estimated 21,693 annual hours of APU usage at the Airport for the Existing plus Proposed Project scenario. It should be noted however that a majority of commercial APU usage is electrified at JWA. Therefore, it is likely the AEDT overestimated the total emissions presented in Section 5.2.2.

5.2.1.3 Ground Support Equipment

The changes in general aviation operations in the Existing plus Proposed Project scenario would result in changes to GSE usage. The general aviation GSE usage for the Existing plus Proposed Project scenario was proportionately decreased from the Existing (2016) Conditions by 12.9 percent, in accordance with the estimated decrease in general aviation activity identified in the aviation forecast for the Existing plus Proposed Project scenario. This decrease reflects the change in general aviation operations from the Existing (2016) Conditions. It was assumed the commercial operation GSE usage would remain the same as the Existing (2016) Conditions. The percentage of GSE type by fuel type and annual operating hours used in the AEDT modeling for general aviation operations in the Existing plus Proposed Project scenario are shown in Table 19.

Table 19 General Aviation GSE – Existing Plus Proposed Project

AEDT GSE TYPE	FUEL TYPE	PERCENT OF GSE TYPE USAGE	ANNUAL OPERATING HOURS
Aircraft Tractor	Diesel	44.00%	3,427
Aircraft Tractor	Electric	47.63%	3,710
Aircraft Tractor	Gasoline	8.37%	652
Cart	Electric	100.00%	109
Fuel Truck	Diesel	100.00%	3,832
GPU	Diesel	100.00%	5,225
Hydrant Truck	Electric	100.00%	87
Lavatory Truck	Electric	100.00%	634
Service Truck	Electric	100.00%	1,459
Fork Lift	Propane	100.00%	174

Source: JWA, Landrum & Brown analysis, 2018.

5.2.2 EMISSIONS INVENTORY

The emissions inventory for the Existing plus Proposed Project scenario is provided in Table 20.

Table 20 Emissions Inventory – Existing Plus Proposed Project

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	4,872.9	417.6	2,313.5	240.7	24.0	24.0
GSE	885.5	32.0	109.0	4.7	4.9	4.7
APU	93.5	6.2	99.3	14.1	11.5	11.5
Total	5,851.9	455.7	2,521.8	259.5	40.5	40.2

Note: APU and GSE usage is largely limited to commercial aircraft

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

5.3 EXISTING PLUS ALTERNATIVE 1

The Existing plus Alternative 1 scenario consists of the existing 2016 commercial operations and estimated 2026 general aviation operations for the Alternative 1 based on the *Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts, November 2017*.

5.3.1 EMISSIONS SOURCES

5.3.1.1 Aircraft

Aircraft operations by type of aircraft, runway use, flight track use, and taxi time were used to estimate emissions using AEDT. The following paragraphs describe the operations data used in modeling.

Operations Data Summaries

Table 21 summarizes the total yearly aircraft operations by aircraft type (fleet mix) for the Existing plus Alternative 1 scenario. The commercial operations remained the same as the Existing (2016) Conditions. The operations and fleet mix for the general aviation operations was developed based on the *Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts, November 2017*.

Runway Use and Flight Tracks

The flight tracks and runway use developed for the Existing (2016) Conditions were used for the Existing plus Alternative 1 scenario. As previously discussed, runway use at JWA is based on aircraft size with commercial aircraft and large jets using Runway 20R and smaller general aviation aircraft using Runway 20L. There is no reason to believe that this will change as it is primarily driven by the relative length of the two runways. Existing flight tracks were assumed to remain the same for the Existing plus Alternative 1 scenario modeling, as any changes that could be made in the future would be speculative.

Taxi Times

The same taxi times used in the Existing (2016) Conditions were applied to the Existing plus Alternative 1 scenario.

5.3.1.2 Auxiliary Power Units

The changes in aircraft operations and fleet mix in the Existing plus Alternative 1 scenario would result in changes to APU equipment. The AEDT was used to model APU usage at the Airport by assigning AEDT default APUs to each aircraft operation. AEDT estimated 21,768 annual hours of APU usage at the Airport for the Existing plus Alternative 1 scenario. It should be noted however that a majority of commercial APU usage is electrified at JWA. Therefore, it is likely the AEDT overestimated the total emissions presented in Section 5.3.2.

Table 21 Annual Aircraft Operations – Existing Plus Alternative 1

Aircraft type	AEDT Type	Existing + Alternative 1
LARGE AIRCRAFT		
Airbus 319-131	A319-131191_A	6,260
Airbus 320-232	A320-232202_A	2,662
Airbus 320-211	A320-211201_A	1,786
Airbus 321-232	A321-232212_A	582
Airbus 300-662R	A300-622RF46_A	560
Boeing 737-700	737700377_E	26,828
Boeing 737-700	737700377_A	24,208
Boeing 737-800	737800378_A	17,392
Boeing 756-PW	757PW572_A	2,576
Large Aircraft Subtotal		82,854
REGIONAL JETS		
Bombardier CRJ900	CRJ9-ER9ER_E	3,298
Embraer 170	EMB170	5,370
Regional Jets Subtotal		8,668
BUSINESS JETS		
Twin Engine Regional Jet	CNA55B	5,674
Twin Engine Regional Jet	CL600	4,353
Twin Engine Regional Jet	CNA525C	4,146
Twin Engine Regional Jet	LEAR35	3,916
Twin Engine Regional Jet	GIV	3,734
Twin Engine Regional Jet	CNA560XL	3,024
Twin Engine Regional Jet	CL601	2,535
Twin Engine Regional Jet	GV	2,444
Twin Engine Regional Jet	CNA750	1,984
Twin Engine Regional Jet	CNA560U	1,896
Twin Engine Regional Jet	MU3001	1,890
Twin Engine Regional Jet	CNA680	1,483
Twin Engine Regional Jet	F10062	1,251
Twin Engine Regional Jet	CNA510	1,094
Twin Engine Regional Jet	CIT3	1,029
Twin Engine Regional Jet	IA1125	640
Twin Engine Regional Jet	ECLIPSE500	308
Business Jets Subtotal		41,400
TURBO PROPS		
Commuter Prop	DHC6	3,186
Commuter Prop	CNA441	3,183
Commuter Prop	DO228	397
Commuter Prop	CNA208	2,760
Commuter Prop	DHC830	1,274
Turbo Props Subtotal		10,800
GENERAL AVIATION PROPS		
GA Prop	GASEPF	23,519
GA Prop	CNA172	7,509
GA Prop	GASEPV	5,235
GA Prop	BEC58P	2,318
GA Prop	CNA182	1,731
GA Prop	CNA206	1,136
GA Prop	PA28	732
GA Prop	PA31	229
Touch and Go	GASEPF	69,192
General Aviation Props Subtotal		111,600
HELICOPTER		
Helicopter	R44	3,719
Helicopter	SA350D	1,081
Helicopter Subtotal		4,800
Commercial Operations Subtotal		91,522
General Aviation Operations Subtotal		168,600
TOTAL		260,122

Note: Commercial Operations remain constant in each scenario. Commercial operations include the Large and Regional Jet categories.

Source: Orange County/JWA GAIP Based Aircraft Parking—Capacity Analysis and General Aviation Constrained Forecasts, November 2017; Landrum & Brown, 2018.

5.3.1.3 Ground Support Equipment

The changes in general aviation operations in the Existing plus Alternative 1 scenario would result in changes to GSE usage. The general aviation GSE usage for the Existing plus Alternative 1 scenario was proportionately decreased from the Existing (2016) Conditions by 12.6 percent, in accordance with the estimated decrease in general aviation activity identified in the aviation forecast for the Existing plus Alternative 1 scenario. This decrease reflects the change in general aviation operations from the Existing (2016) Conditions. It was assumed the commercial operation GSE usage would remain the same as the Existing (2016) Conditions. The percentage of GSE type by fuel type and annual operating hours used in the AEDT modeling for general aviation operations in the Existing plus Alternative 1 scenario are shown in Table 22.

Table 22 General Aviation GSE – Existing Plus Alternative 1

AEDT GSE TYPE	FUEL TYPE	PERCENT OF GSE TYPE USAGE	ANNUAL OPERATING HOURS
Aircraft Tractor	Diesel	44.00%	3,441
Aircraft Tractor	Electric	47.63%	3,725
Aircraft Tractor	Gasoline	8.37%	655
Cart	Electric	100.00%	109
Fuel Truck	Diesel	100.00%	3,848
GPU	Diesel	100.00%	5,247
Hydrant Truck	Electric	100.00%	87
Lavatory Truck	Electric	100.00%	637
Service Truck	Electric	100.00%	1,465
Fork Lift	Propane	100.00%	175

Source: JWA, Landrum & Brown analysis, 2018.

5.3.2 EMISSIONS INVENTORY

The emissions inventory for the Existing plus Alternative 1 scenario is provided in Table 23.

Table 23 Emissions Inventory – Existing Plus Alternative 1

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	4,891.9	421.2	2,316.6	241.2	24.1	24.1
GSE	885.7	32.0	109.1	4.7	4.9	4.7
APU	94.2	6.2	99.5	14.2	11.5	11.5
Total	5,871.8	459.4	2,525.2	260.1	40.5	40.3

Note: APU and GSE usage is largely limited to commercial aircraft

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

5.4 IMPACT ANALYSIS SUMMARY

The results of the computer modeling to estimate air emissions resulting from the operation of the Airport under the Existing (2016) Condition and the various "Existing plus" scenarios are provided in Table 24.

Table 24 Total Daily Operational Emissions – Existing and Existing Plus Scenarios

SCENARIOS	TOTAL DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Existing (2016) Conditions	6,217.6	427.6	2,482.6	253.3	39.6	39.4
Existing plus No Project	6,407.6	455.0	2,515.8	258.5	40.7	40.4
Existing plus Proposed Project	5,851.9	455.7	2,521.8	259.5	40.5	40.2
Existing plus Alternative 1	5,871.8	459.4	2,525.2	260.1	40.5	40.3

Note: Numbers may not sum to subtotals as shown, due to rounding.

Source: AEDT ver. 2d, CalEEMod, Landrum & Brown analysis, 2018.

As shown in Table 24, operational emissions for all pollutants are anticipated to increase for the Existing plus No Project scenario because general aviation operations increased by 4.3 percent from the Existing (2016) Condition. Operational emissions for all pollutants, except for CO, are anticipated to increase for the Existing plus Proposed Project and Existing plus Alternative 1 scenarios due to an increase in turbo jet and business jet operations from the Existing (2016) Condition. The decrease in CO is attributed to the decrease in prop operations in both the Existing plus Proposed Project and Existing plus Alternative 1 scenarios

Table 25 evaluates the daily net impact of operational emissions that would be caused by the implementation of the Existing plus No Project, Existing plus Proposed Project, and Existing plus Alternative 1 scenarios. The daily net impact of operational emissions was calculated by subtracting the operational emissions of the Existing (2016) Conditions from those of the various "Existing plus" scenarios. The incremental changes in emissions resulting from the various "Existing plus" scenarios were compared to the SCAQMD thresholds.

As shown in Table 25, operational activities resulting from the Existing plus No Project, Existing plus Proposed Project, and Existing plus Alternative 1 scenarios would not cause daily emissions that would equal or exceed the relevant SCAQMD thresholds for the pollutants of concern.

Table 25 Daily Net Impact of Operational Emissions – Existing Plus Alternative Scenarios Compared to Existing (2016) Conditions

SCENARIOS	DAILY OPERATIONAL EMISSIONS					
	(LBS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
<i>Significance Threshold</i>	550	55	55	150	150	55
<i>Localized Significance Threshold</i>	3,888	N/A	223	N/A	21	9
Existing plus No Project Net Impact Operational Emissions	190.0	27.5	33.2	5.2	1.1	1.1
Existing plus Proposed Project Net Impact Operational Emissions	-365.6	28.1	39.2	6.3	0.9	0.8
Existing plus Alternative 1 Net Impact Operational Emissions	-345.8	31.8	42.6	6.8	0.9	0.9
<i>Existing plus No Project Exceed Significance Threshold?</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
<i>Existing plus Proposed Project Exceed Significance Threshold?</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
<i>Existing plus Alternative 1 Exceed Significance Threshold?</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

Note: Numbers may not sum to subtotals as shown, due to rounding. SCAQMD threshold exceedances are in bold.

Source: AEDT ver. 2d, Landrum & Brown analysis, 2018.

5.5 ODORS

Neither the Proposed Project nor Alternative 1 involve siting a new odor source near an existing sensitive receptor or siting a new sensitive receptor near an existing odor source. None of the scenarios under consideration include operation of wastewater treatment plants, landfills, confined animal facilities, compositing stations, food manufacturing plants, refineries or chemical plants, which are operational sources that are associated with odor concerns. Because the Proposed Project and Alternative 1 would not have the potential to cause odor emissions or expose members of the public to objectionable odors, the Proposed Project and Alternative 1 would result in less-than-significant odor impacts.

5.6 TACs/HUMAN HEALTH/SENSITIVE RECEPTORS

The Proposed Project and Alternative 1 would result in emissions from aircraft, APUs and GSE. Based on the aviation forecasts prepared for the GAIP, the Existing plus Proposed Project and Existing plus Alternative 1 scenarios would result in a decrease in the total general aviation aircraft operations. However, due to the anticipated change in the aircraft fleet mix, there is an estimated overall increase in criteria air pollutant emissions. In addition to an increase in the criteria pollutants discussed above, there would be potential increases in TACs. In order to evaluate the environmental significance of the GAIP-related TACs, the health risk analysis (HRA) conducted for Final EIR 617, prepared for the 2014 Settlement Agreement Amendment, was used as a basis to assess the potential health risk impacts. The

HRA prepared for Final EIR 617 is hereby incorporated by reference and is summarized below.

The HRA prepared for Final EIR 617 was conducted in accordance with CARB's Air Toxics Hot Spots Program Risk Assessment Guidelines and is consistent with risk assessment guidance documents issued by USEPA and the California Environmental Protection Agency's (CalEPA) Department of Toxic Substances Control. Simplifying assumptions were also obtained from the SCAQMD risk assessment guidelines. Compounds were evaluated for their potential health effects in two categories, carcinogenic and non-carcinogenic.

The Chemicals of Potential Concern (COPC) emissions were estimated using the FAA Emissions Dispersion and Modeling System (EDMS) and include emissions from startup, taxi out, take off, climb out, approach, and taxi in. EDMS provides emission estimates for 394 organic gases, of which 45 are hazardous air pollutants. The health risk posed by the identified COPCs are estimated using air dispersion modeling tools.

Per SCAQMD HRA guidance for cancer risk analysis, a continuous exposure of 24 hours per day, 350 days per year for a 70-year lifetime is assumed for residents in Final EIR 617. This is a highly conservative assumption, since most people do not remain at home all day and, on average, residents change residences every 11 to 12 years. In addition, the Final EIR 617 analysis conservatively assumes that residents are experiencing outdoor concentrations for the entire exposure period. The same conservative assumptions are used in Final EIR 617 for non-residential sensitive receptors, such as daycare centers, schools, hospitals, and other care facilities.

For occupational receptors, and in accordance with SCAQMD guidance, Final EIR 617 assumes an exposure based on 8 hours per day, 5 days per week, 245 working days per year, and a 40-year working lifetime. This again is a conservative assumption, since most people do not remain at the same job for 40 years. The SCAQMD also provides specific daily breathing rates and exposure value factors for estimating cancer risks that are used in Final EIR 617.

The Final EIR 617 HRA considered emissions associated with the following sources:

- Aircraft
- GSE
- APU
- On-road mobile sources, including vehicles in the JWA parking lots and structures; passenger-related terminal and off-site traffic; and JWA-owned vehicles and equipment
- JWA stationary source equipment, such as heaters/boilers, emergency engines, steam washers, surface cleaners, cooling towers, and gasoline and diesel dispensing tanks, as well as the central utility plant (i.e., CoGen facility).

To provide context, Final EIR 617 studied the health effects of increasing commercial carrier operations and the number of passengers served by approximately 15 percent from in January 2016 to January 2026. The analysis in Final EIR 617 included a substantial increase in traffic associated with the increased number of passengers (i.e., an increase from 10.8 Million Annual Passengers [MAP] to 12.5 MAP). As a

point of comparison, the Proposed Project and Alternative 1 would decrease the overall number of general aviation operations by approximately 13 percent in this same period. The number of automobile trips accessing the Airport would be slightly reduced with the Proposed Project and Alternative 1 (Tables 4.8-6 and 4.8-13 in the main EIR's Section 4.8, Transportation/Traffic provides the automobile trip numbers for the Proposed Project and Alternative 1, respectively). As previously noted, the Proposed Project and Alternative 1 would change the fleet mix to include fewer piston aircraft and an increase the use of turbine engine aircraft and jet operations. However, the reduction in the number of operations by piston aircraft would result in a reduction in the usage of avgas, which contains lead.¹⁸

Final EIR 617 concluded that the incremental increase in TACs associated with that project would result in less-than-significant health risk impacts for cancer risk, cancer burden, and chronic non-cancer risk for all receptors. Additionally, less-than-significant health risk impacts would result with respect to acute non-cancer risk for residents and other sensitive receptors. Significant acute non-cancer health risk impact for workers was identified in Final EIR 617. The SCAQMD's threshold for identifying a significant acute non-cancer health risk impact for workers is a hazard index ≥ 1.0 . The analysis provided in Final EIR 617 identified that the selected alternative posed a risk of 1.0 in a million. Therefore, the acute non-cancer health risk impact to workers was identified as a significant and unavoidable. This information is summarized in Table 4.1-23 of Final EIR 617.

The analysis in the Final EIR 617 HRA was used as a screening mechanism for assessing the potential for the Proposed Project and Alternative 1 to result in a significant health risk. As part of the screening process, the emissions associated with the 2014 Settlement Agreement Amendment and the emissions from the Proposed Project and Alternative 1 were compared. The TAC emissions are often expressed as fractions of VOC and PM emissions for emissions from combustion, thus the VOC and PM emissions for the Proposed Project and Alternative 1 are relied upon in this screening analysis. A comparison of the criteria pollutant emissions associated with the 2014 Settlement Agreement Amendment and the net emissions associated with the Proposed Project and Alternative 1 are presented in Table 26. As shown, the emissions for all criteria pollutants in the Proposed Project and Alternative 1 would generate a fraction of the pollutants associated with the 2014 Settlement Agreement Amendment. The VOC emissions for the Proposed Project and Alternative 1 would be approximately 25 percent and 29 percent of the emissions evaluated for the 2014 Settlement Agreement Amendment, respectively. For the Proposed Project, when compared to the 2014 Settlement Agreement Amendment, the PM emissions would be 0.49 percent and 1.9 percent for PM₁₀ and PM_{2.5}, respectively. Similarly, for Alternative 1, the PM emissions would be a small percentage of the PM emissions associated with the 2014 Settlement Agreement Amendment (i.e., 0.5 percent for PM₁₀ and 2.1 percent for PM_{2.5}).

¹⁸ As discussed in Section 4.5 of the main EIR, Hazards and Hazardous Materials, avgas is the only remaining lead-containing transportation fuel. Lead has been found to be a toxic substance. The USEPA is expected to make a final determination on avgas in 2018. Replacement of aviation gasoline by 2018 is anticipated through the Piston Aviation Fuels Initiative ("PAFI") (AECOM 2018)

Table 26 Net Operational Emissions Comparison – 2014 Settlement Agreement Amendment and the Existing Plus Proposed Project and Existing Plus Alternative 1 Scenarios

SCENARIOS	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
2014 Settlement Agreement Amendment Emissions ^a	-5,343	111	758	78	164	43
Existing Plus Proposed Project Net Operational Emissions	-365.7	28.1	39.2	6.3	0.8	0.8
GAIP Emissions as a Percentage of the 2014 Settlement Agreement Amendment Emissions	6.8%^b	25.3%	5.2%	8.1%	0.5%	1.9%
Existing Plus Alternative 1 Net Operational Emissions	-345.8	31.8	42.6	6.8	0.9	0.9
GAIP Emissions as a Percentage of the 2014 Settlement Agreement Amendment Emissions	6.5%^b	28.6%	5.6%	8.7%	0.5%	2.1%
^a Data presented in Table 4.1-8 of Final EIR 617. Values reflect Phase 3 emissions, which represent the highest values. ^b Both the 2014 Settlement Agreement Amendment and the Proposed Project would reduce CO emissions.						

Source: Landrum & Brown, 2018 for the Existing Plus scenario data; Final EIR 617 for the 2014 Settlement Agreement Amendment data.

As illustrated, the Proposed Project and Alternative 1 would result in a substantially smaller incremental increase in air pollutant emissions than the project studied in Final EIR 617. Thus, it is estimated that the TAC emissions would be lower in a similar proportion for the Proposed Project and Alternative 1 since the TAC emissions are generally fractions of the VOC and PM emissions. Based on this analysis, no significant health risk impacts are expected to result from the Proposed Project and Alternative 1. Impacts would be less than significant.

Therefore, based on the projected level of pollutant concentrations, the Proposed Project and Alternative 1 would not expose sensitive receptors to substantial pollutant concentrations.

6.0 GENERAL AVIATION ONLY EMISSIONS INVENTORY

The GAIP only changes the general aviation operations, fleet mix, and facilities at JWA. The Proposed Project and alternatives do not change the number of commercial operations, fleet mix, runway use, flight tracks, or terminal area. The commercial operations at JWA are the greatest influence on the emissions while the general aviation traffic contributes only a small amount. The following analysis presents the air quality emissions from implementation of the GAIP only, which only changes general aviation operations.

6.1 EXISTING (2016) CONDITIONS GENERAL AVIATION ONLY

The AEDT was used to model general aviation aircraft operations only at the Airport, along with GSE and APU usage for the Existing (2016) Conditions. The model estimates the quantity of emissions of the pollutants in pounds per day. The results of the emission inventory are provided in Table 27.

Table 27 Emissions Inventory – General Aviation Only Existing (2016) Conditions

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	3,187.6	163.6	164.0	27.2	6.1	6.1
GSE	39.2	2.5	16.5	0.1	1.0	0.9
APU	23.2	0.6	6.8	1.1	0.9	0.9
Total	3,250.0	166.7	187.3	28.4	7.9	7.9

Note: Numbers may not sum to subtotals as shown, due to rounding.

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

6.2 NO PROJECT GENERAL AVIATION ONLY (2026)

The AEDT was used to model general aviation aircraft operations only at the Airport, along with GSE and APU usage for the No Project General Aviation Only (2026) scenario. The model estimates the quantity of emissions of the pollutants in pounds per day. The results of the emission inventory are provided in Table 28.

Table 28 Emissions Inventory – No Project General Aviation Only (2026)

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	3,371.1	190.8	195.1	32.2	6.9	6.9
GSE	40.8	2.6	17.2	0.1	1.0	1.0
APU	28.0	0.7	8.2	1.3	1.1	1.1
Total	3,439.9	194.1	220.5	33.6	9.0	9.0

Note: Numbers may not sum to subtotals as shown, due to rounding.

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

6.3 PROPOSED PROJECT GENERAL AVIATION ONLY (2026)

The AEDT was used to model general aviation aircraft operations only at the Airport, along with GSE and APU usage for the Proposed Project General Aviation Only (2026) scenario. The model estimates the quantity of emissions of the pollutants in pounds per day. The results of the emission inventory are provided in Table 29.

**Table 29 Emissions Inventory –Proposed Project General Aviation Only
(2026)**

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	2,820.6	191.9	203.5	33.2	6.8	6.8
GSE	34.1	2.2	14.4	0.1	0.8	0.8
APU	29.5	0.7	8.6	1.3	1.1	1.1
Total	2,884.3	194.8	226.5	34.6	8.7	8.7

Note: Numbers may not sum to subtotals as shown, due to rounding.

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

6.4 ALTERNATIVE 1 GENERAL AVIATION ONLY (2026)

The AEDT was used to model general aviation aircraft operations only at the Airport, along with GSE and APU usage for the Alternative 1 General Aviation Only (2026) scenario. The model estimates the quantity of emissions of the pollutants in pounds per day. The results of the emission inventory are provided in Table 30.

**Table 30 Emissions Inventory – Alternative 1 General Aviation Only
(2026)**

SOURCE	DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aircraft	2,839.6	195.5	206.6	33.7	6.8	6.8
GSE	34.3	2.2	14.5	0.1	0.8	0.8
APU	30.3	0.7	8.9	1.4	1.2	1.2
Total	2,904.2	198.4	229.9	35.2	8.8	8.8

Note: Numbers may not sum to subtotals as shown, due to rounding.

Source: AEDT version 2d, Landrum & Brown analysis, 2018.

6.5 IMPACT ANALYSIS

For the purpose of this analysis, the operational emissions are presented and evaluated against the appropriate significance threshold per the SCAQMD for the various "General Aviation Only" scenarios. Table 31 evaluates the daily net impact of operational emissions that would result from the implementation of the No Project General Aviation Only (2026), Proposed Project General Aviation Only (2026), and

Alternative 1 General Aviation Only (2026) scenarios. The daily net impact of operational emissions was calculated by subtracting the operational emissions of the Existing (2016) Conditions General Aviation Only from those of the Proposed Project General Aviation Only (2026) and Alternative 1 General Aviation Only (2026) scenarios.

As shown in Table 31, operational activities of the No Project, Proposed Project, and Alternative 1 General Aviation Only (2026) scenarios would not cause daily emissions that would equal or exceed the relevant SCAQMD thresholds of the pollutants of concern for operational activities.

Table 31 Daily Net Impact of Operational Emissions - Existing Condition (2016) General Aviation Only Compared to the General Aviation Only (2026) Scenarios

SCENARIOS	TOTAL DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Significance Threshold	550	55	55	150	150	55
Localized Significance Threshold	3,888	N/A	223	N/A	21	9
Existing (2016) Conditions General Aviation Only Total	3,250.0	166.7	187.3	28.4	7.9	7.9
No Project General Aviation Only Total	3,439.9	194.1	220.5	33.6	9.0	9.0
Proposed Project General Aviation Only Total	2,884.3	194.8	226.5	34.6	8.7	8.7
Alternative 1 General Aviation Only Total	2,904.2	198.4	229.9	35.2	8.8	8.8
No Project General Aviation Only Net Impact Operational Emissions:	189.9	27.4	33.2	5.2	1.1	1.1
Proposed Project General Aviation Only Net Impact Operational Emissions:	-365.7	28.1	39.2	6.3	0.8	0.8
Alternative 1 General Aviation Only Net Impact Operational Emissions:	-345.8	31.8	42.6	6.8	0.9	0.9
No Project General Aviation Only Exceed Significance Threshold?	NO	NO	NO	NO	NO	NO
Proposed Project General Aviation Only Exceed Significance Threshold?	NO	NO	NO	NO	NO	NO
Alternative 1 General Aviation Only Exceed Significance Threshold?	NO	NO	NO	NO	NO	NO

Note: Numbers may not sum to subtotals as shown, due to rounding.

Source: AEDT ver. 2d, CalEEMod, Landrum & Brown analysis, 2018.

7.0 MITIGATION MEASURES

The Proposed Project and Alternative 1 construction emissions would exceed the SCAQMD significance threshold for NO_x. Neither the Proposed Project nor the Alternative 1 would exceed the SCAQMD significance threshold for operational activities.

In order to address the significant NO_x impact associated with the Proposed Project's and Alternative 1's construction activities that was identified in Section 4.0 of this report, the following mitigation measure is recommended:

MM-AQ-1 JWA shall require heavy-duty, off-road, diesel-powered construction equipment to meet or exceed the USEPA's Tier 4 off-road emissions engine standards during Airport construction in order to reduce construction-related NO_x emissions.

Although a significant VOC impact resulting from construction activities was *not* identified in Section 4.0 of this report and there is no CEQA requirement to adopt mitigation for VOC, the following minimization measure is recommended to further reduce the VOC emissions level during construction:

MN-AQ-1 JWA shall require that architectural coatings applied to the East and West Access Roads be marked using low VOC coatings.¹⁹ Specifically, JWA shall require the use of a paint for markings with less than 50 grams of VOC emissions per liter of paint.

(As background, while the exteriors and interiors of the proposed new facilities associated with the GAIP would meet the SCQMD Rule 1113, this minimization measure exceeds Rule 1113 requirements for traffic coatings.)

Table 32 presents the construction emissions that would result from the Proposed Project and Alternative 1 with implementation of the recommended mitigation measure, MM-AQ-1 and minimization measure MN-AQ-1. As shown in Table 32, the recommended mitigation would effectively reduce construction-related emissions of NO_x below the SCAQMD threshold. As such, the construction-related air quality impacts of the Proposed Project and Alternative 1 would be less than significant with mitigation.

The use of Tier 4 engines in off-road construction equipment, as required by MM-AQ-1, reduced NO_x and VOC emissions from construction activities by approximately 82 percent and 70 percent, respectively. The use of low VOC paint (less than 50 grams of VOC emissions per liter), as required by MN-AQ-1, reduced VOC emissions from architectural coatings by approximately 50 percent.

¹⁹ Sherwin Williams, *Pro-Park Waterborne Traffic Marking Paint B97 Series*, July 2017. Available online: <https://www.sherwin-williams.com/document/PDS/en/035777081228/> Accessed January 2018.

Table 32 Daily Impact of Construction Emissions – Mitigated Future (2026) Scenarios

SCENARIOS	DAILY NET IMPACT CONSTRUCTION EMISSIONS (LBS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Significance Threshold	550	75	100	150	150	55
Localized Significance Threshold	3,888	N/A	223	N/A	85	35
2019						
Construction - Proposed Project	146.1	3.0	13.3	0.2	4.8	2.0
Construction - Alternative 1	163.4	3.3	14.7	0.3	6.9	2.3
2020						
Construction - Proposed Project	167.6	3.3	15.0	0.3	6.0	2.2
Construction - Alternative 1	171.4	3.6	22.4	0.3	5.9	2.4
2021						
Construction - Proposed Project	138.1	3.1	16.1	0.2	1.9	0.6
Construction - Alternative 1	138.1	3.2	23.1	0.2	2.4	1.1
2022						
Construction - Proposed Project	144.5	4.3	17.3	0.2	3.3	0.8
Construction - Alternative 1	153.6	8.4	19.9	0.2	9.3	1.7
2023						
Construction - Proposed Project	94.0	1.9	10.2	0.1	4.1	1.5
Construction - Alternative 1	137.1	2.8	11.9	0.2	6.4	2.2
2024						
Construction - Proposed Project	162.5	4.1	18.1	0.3	10.2	2.8
Construction - Alternative 1	137.9	3.7	14.4	0.2	7.0	2.3
2025						
Construction - Proposed Project	233.7	5.5	21.2	0.3	6.6	1.5
Construction - Alternative 1	233.9	5.2	22.2	0.3	4.7	1.2
2026						
Construction - Proposed Project	67.4	28.0	5.7	0.1	0.1	0.1
Construction - Alternative 1	102.2	31.5	9.2	0.1	0.2	0.2
Proposed Project Exceed SCAQMD Threshold?	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Alternative 1 Exceed SCAQMD Threshold?	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

Note: PM₁₀ and PM_{2.5} emissions estimates are based on compliance with SCAQMD Rule 403 requirements for fugitive dust suppression.

Source: CalEEMod, Landrum & Brown analysis, 2018.

Although neither the Proposed Project nor Alternative 1 would exceed significance thresholds for operational activities, the following minimization measure is recommended:

MN-AQ-2 General Aviation FBOs shall employ Zero Emission Vehicle (ZEV) GSE where available (e.g. tugs, water carts, lavatory carts, other ramp service equipment/vehicles) for 90% or greater of the GSE operating hours. Where ZEVs are not available, vehicles shall meet Ultra Low Emission Vehicle (ULEV) requirements. Where ULEVs are not available, and only diesel fuel engine trucks are available, the diesel-fueled truck shall comply with the On-Road Heavy-Duty Diesel Vehicles (In-Use) Regulation.

GA FBOs shall maintain monthly records regarding GSE type, make, model, year, fuel type, horsepower (if non-electric), and hours in-use. Monthly records are subject to audit and verification by JWA. These records shall be provided to JWA annually in June.

Table 33 presents the operational emissions that would result from the GSE electrification required by MN-AQ-2. As shown in Table 33, the recommended minimization measure would further reduce the Proposed Project and Alternative 1's operational emissions below the SCAQMD thresholds.

Table 33 Daily Net Impact of Operational Emissions - Existing (2016) Condition compared to the Minimized Existing Plus Scenarios

SCENARIOS	TOTAL DAILY EMISSIONS (POUNDS PER DAY)					
	CO	VOC	NO _x	SO _x	PM ₁₀	PM _{2.5}
Significance Threshold	550	55	55	150	150	55
Localized Significance Threshold	3,888	N/A	223	N/A	21	9
Existing (2016) Conditions General Aviation Only Total	6,217.6	427.6	2,482.6	253.3	39.6	39.4
No Project General Aviation Only Total	6,370.8	452.7	2,500.3	258.4	39.8	39.5
Proposed Project General Aviation Only Total	5,821.2	453.7	2,508.8	259.5	39.7	39.4
Alternative 1 General Aviation Only Total	5,840.9	457.4	2,512.2	260.0	39.7	39.5
No Project General Aviation Only Net Impact Operational Emissions:	153.2	25.1	17.7	5.1	0.2	0.2
Proposed Project General Aviation Only Net Impact Operational Emissions:	-396.3	26.2	26.2	6.2	0.1	0.1
Alternative 1 General Aviation Only Net Impact Operational Emissions:	-376.6	29.8	29.6	6.7	0.1	0.2
No Project General Aviation Only Exceed Significance Threshold?	NO	NO	NO	NO	NO	NO
Proposed Project General Aviation Only Exceed Significance Threshold?	NO	NO	NO	NO	NO	NO
Alternative 1 General Aviation Only Exceed Significance Threshold?	NO	NO	NO	NO	NO	NO

Note: Numbers may not sum to subtotals as shown, due to rounding.

Source: AEDT ver. 2d, CalEEMod, Landrum & Brown analysis, 2018.

8.0 CUMULATIVE IMPACTS

The following analysis addresses whether the Proposed Project and Alternative 1 would “result in a cumulatively considerable net increase of any criteria for which the project region is non-attainment under an applicable state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors),” as provided in Appendix G of the *CEQA Guidelines*.

Cumulative impacts analysis for air quality is based on the guidance provided by SCAQMD. Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. Conversely, projects that do not exceed the project-specific thresholds are generally not considered cumulatively significant.

This report identifies other projects that may contribute to cumulative air quality conditions because they are located on the Airport or may have impacts that would occur at the same time as construction and operation of the GAIP. The following are cumulative projects that would contribute to a change in the air quality environment at the Airport.

- **John Wayne Airport Settlement Agreement Amendment** (Amendment) provided for the modification to the terms of an agreement between the Orange County Board of Supervisors, City of Newport Beach, and two community groups pertaining to the commercial carrier operations at JWA. The Amendment, which was approved in 2014, extends the term of the agreement through 2030 and allows an incremental increase in the number of regulated flights and passengers at the Airport. The Amendment will allow an increase from 10.8 MAP up to 12.5 MAP in 2026. This project did not propose any physical improvements at the Airport. The 2014 Final EIR prepared for the Settlement Agreement identified significant unavoidable impacts for air quality.
- **Wickland Pipelines LLC** is constructing new pipeline and two new fuel tanks on the west side of the Airport for the storage of Jet-A fuel. The pipeline and fuel tanks will be connected to an existing 16-inch jet fuel pipeline operated by Kinder Morgan Energy Partners located near the intersection of Edinger Avenue and Tustin Ranch Road. The new pipeline will be approximately 5 miles long, and located in the public streets of the cities of Irvine and Tustin, County of Orange/Airport property, and minimally on private property or industrially-zoned property. The project is currently under construction and is expected to be completed by the end of 2018. No significant impacts were identified for the project.
- The **Paularino Gate Relocation Project** proposes to relocate the fence line on the northwest side of the Airport on Paularino Avenue in Costa Mesa. The project will install a new security gate approximately 350 feet northwest of the existing gate and provide other security enhancements. A Categorical Exemption was prepared pursuant to CEQA for the project. The improvements will be constructed in conjunction with ongoing rehabilitation of Paularino

Avenue east of Airway Avenue, which are expected to be completed first quarter of 2018.

- **Taxiway "B"** is parallel to and 400 feet to the east of primary Runway 2L/20R (centerline to centerline). Rehabilitation of Taxiway "B" has been approved to extend its service life. The taxiway serves commercial jets as well as general aviation. Taxiway "B" rehabilitation work will be phased in such a way that minimizes disruption to ground operations. All general aviation parking areas reached via Taxiway "B" will remain accessible throughout construction. A Categorical Exemption for the project was prepared pursuant to CEQA. The improvements are anticipated to be completed by the end of the first quarter of 2018.

These projects would result in construction and/or operational air quality emissions that contribute to cumulative air quality conditions. However, based on SCAQMD's methodology for evaluating cumulative impacts, it is not necessary to develop emission estimates for the related projects to assess the Project's cumulative impacts.

With respect to construction-related emissions, the Proposed Project and Alternative 1 would exceed the SCAQMD threshold for NO_x. As such, the Proposed Project and Alternative 1 would result in a cumulatively considerable contribution of NO_x during the construction period; this is a significant cumulative air quality impact. However, with implementation of the recommended mitigation measure, the Proposed Project and Alternative 1 would reduce NO_x levels below SCAQMD's thresholds of significance. As such, with mitigation, the Proposed Project's and Alternative 1's construction emissions would result in less-than-significant cumulative impacts.

With respect to operational-related emissions, neither the Proposed Project nor Alternative 1 would exceed the SCAQMD threshold for pollutants of concern. Therefore, the Proposed Project and Alternative 1 would not result in a cumulatively considerable contribution of the identified pollutants during the operational period.

9.0 POTENTIAL TO CONFLICT WITH APPLICABLE AIR QUALITY PLAN

As previously stated, the SCAQMD adopted its latest AQMP in 2016, which was then incorporated into the SIP in 2017. SCAQMD's 2016 AQMP relies on the latest scientific and technological information and planning assumptions relevant to air quality, including information regarding regional growth forecasts and transportation control measures from SCAG's 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). The 2016 AQMP also is built on extensive consultation between CARB and SCAQMD regarding the reduction of emissions from mobile sources. In that vein, the 2016 AQMP recognizes that some sources – referred to as "federally controlled sources" in the AQMP – are under the jurisdiction of the USEPA; the 2016 AQMP explicitly recognizes aircraft as a federally controlled source (see, e.g., 2016 AQMP, Table 4-22). The 2016 AQMP provides policies and measures to guide SCAB towards attainment of the NAAQS and CAAQS, setting forth a comprehensive strategy aimed at controlling pollution from all sources, including stationary sources, on-road and off-road mobile sources, and area sources. Because the SCAQMD does not have jurisdictional authority over all emission sources in the SCAB, the 2016 AQMP identifies other agencies (see, e.g., 2016 AQMP, Table 4-22) that are responsible for assisting with implementation of the AQMP's control measures.

In conjunction with preparation of the 2016-2040 RTP/SCS and 2016 AQMP, JWA staff participated in SCAG's Aviation Technical Advisory Committee and coordinated with SCAQMD to ensure that aircraft operation data specific to the Airport (such as the number of operations, fleet mix and taxi times) were accounted for throughout the forecasted planning period for both the RTP/SCS and AQMP. JWA staff also provided SCAQMD with information regarding estimated construction-related emissions at the Airport during the subject planning period, including those associated with the development of any GAIP-facilitated facilities. As a result of this inter-agency coordination, emissions associated with the GAIP have been planned for and accounted for in the 2016 AQMP. It also is noted that – to the extent required by law – GAIP-related emission sources would comply with applicable control measures adopted in furtherance of the AQMP's implementation by the SCAQMD and other responsible agencies. Therefore, neither the Proposed Project nor Alternative 1 would conflict with or obstruct implementation of the 2016 AQMP.

ATTACHMENT 1

LIST OF PREPARERS:

Chris Babb
Managing Consultant
Landrum & Brown
11279 Cornell Park Drive
Cincinnati, OH 45242

Gabriela A. Elizondo
Analyst
Landrum & Brown
11279 Cornell Park Drive
Cincinnati, OH 45242

Christian Valdes
Managing Consultant
Landrum & Brown
19700 Fairchild, Suite 230
Irvine, CA 92618

Philip Gwiner
Consultant
Landrum & Brown
19700 Fairchild, Suite 230
Irvine, CA 92618

ATTACHMENT 2

COMPUTER MODELING FILES

JWA Phase 1 PA - Orange County, Summer

JWA Phase 1 PA
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.23	1000sqft	0.46	20,232.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	92.10	1000sqft	2.11	92,097.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *From JWA PA Schedule and ROM Estimate Summary

Construction Phase - *Dates from Proposed Project Schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -
 Off-road Equipment -
 Trips and VMT -
 Demolition -
 Off-road Equipment -
 Area Coating -
 Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	20,230.00	20,232.00
tblLandUse	LandUseSquareFeet	92,100.00	92,097.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.5155	91.2733	74.1308	0.1465	5.9589	4.4653	10.4242	1.2692	4.1813	5.4505	0.0000	14,664.4619	14,664.4619	2.9337	0.0000	14,731.5085
Maximum	9.5155	91.2733	74.1308	0.1465	5.9589	4.4653	10.4242	1.2692	4.1813	5.4505	0.0000	14,664.4619	14,664.4619	2.9337	0.0000	14,731.5085

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.5155	91.2733	74.1308	0.1465	5.9589	4.4653	10.4242	1.2692	4.1813	5.4505	0.0000	14,664.4619	14,664.4619	2.9337	0.0000	14,731.5085
Maximum	9.5155	91.2733	74.1308	0.1465	5.9589	4.4653	10.4242	1.2692	4.1813	5.4505	0.0000	14,664.4619	14,664.4619	2.9337	0.0000	14,731.5085

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.5649	2.0823	8.0195	0.0352	3.6856	0.0240	3.7096	0.9855	0.0223	1.0078		3,583.1452	3,583.1452	0.1329		3,586.4687
Total	1.8625	2.3175	8.2413	0.0366	3.6856	0.0420	3.7275	0.9855	0.0402	1.0257		3,865.1060	3,865.1060	0.1385	5.1700e-003	3,870.1081

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.5649	2.0823	8.0195	0.0352	3.6856	0.0240	3.7096	0.9855	0.0223	1.0078		3,583.1452	3,583.1452	0.1329		3,586.4687
Total	1.8625	2.3175	8.2413	0.0366	3.6856	0.0420	3.7275	0.9855	0.0402	1.0257		3,865.1060	3,865.1060	0.1385	5.1700e-003	3,870.1081

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	4/15/2019	5	68	
2	Building Construction - New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Building Construction - FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Parking - Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Parking - Construction of Parking Spaces - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.28

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Pavers	0		130	0.42
Demolition - 1	Paving Equipment	0		132	0.36
Demolition - 1	Rollers	0		80	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction - FBO - 1	Cranes	1	7.00	231	0.29
Building Construction - FBO - 1	Forklifts	3	8.00	89	0.20
Building Construction - FBO - 1	Generator Sets	1	8.00	84	0.74
Building Construction - FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - FBO - 1	Welders	1	8.00	46	0.45
Parking - Construction of Apron - 1	Pavers	2	8.00	130	0.42
Parking - Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Parking - Construction of Apron - 1	Rollers	2	8.00	80	0.38
Building Construction - New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Building Construction - New Sheriff Office - 1	Forklifts	3	8.00	89	0.20
Building Construction - New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Parking - Construction of Parking Spaces - 1	Pavers	2	8.00	130	0.42
Parking - Construction of Parking Spaces - 1	Paving Equipment	2	8.00	132	0.36
Parking - Construction of Parking Spaces - 1	Rollers	2	8.00	80	0.38
Building Construction - New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - New Sheriff Office - 1	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1	6	15.00	0.00	896.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - New Sheriff Office - 1	9	99.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - FBO - 1	9	99.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Construction of Apron - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Construction of Parking Spaces - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8502	0.0000	2.8502	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.8502	1.7949	4.6451	0.4316	1.6697	2.1012		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.1095	3.9057	0.9363	0.0102	0.2294	0.0150	0.2444	0.0628	0.0144	0.0772		1,136.5663	1,136.5663	0.1187		1,139.5325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.1714	3.9462	1.4714	0.0119	0.3971	0.0161	0.4132	0.1073	0.0154	0.1227		1,305.4873	1,305.4873	0.1228		1,308.5574

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8502	0.0000	2.8502	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.8502	1.7949	4.6451	0.4316	1.6697	2.1012	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1095	3.9057	0.9363	0.0102	0.2294	0.0150	0.2444	0.0628	0.0144	0.0772		1,136.5663	1,136.5663	0.1187		1,139.5325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Total	0.1714	3.9462	1.4714	0.0119	0.3971	0.0161	0.4132	0.1073	0.0154	0.1227		1,305.4873	1,305.4873	0.1228		1,308.5574
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3.3 Building Construction - New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.4080	0.2675	3.5318	0.0112	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,114.8789	1,114.8789	0.0274		1,115.5641
Total	0.5542	4.6932	4.7017	0.0210	1.3558	0.0373	1.3931	0.3652	0.0354	0.4006		2,179.4575	2,179.4575	0.1173		2,182.3895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.4080	0.2675	3.5318	0.0112	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,114.8789	1,114.8789	0.0274		1,115.5641
Total	0.5542	4.6932	4.7017	0.0210	1.3558	0.0373	1.3931	0.3652	0.0354	0.4006		2,179.4575	2,179.4575	0.1173		2,182.3895

3.4 Building Construction - FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.4080	0.2675	3.5318	0.0112	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,114.8789	1,114.8789	0.0274		1,115.5641
Total	0.5542	4.6932	4.7017	0.0210	1.3558	0.0373	1.3931	0.3652	0.0354	0.4006		2,179.4575	2,179.4575	0.1173		2,182.3895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.4080	0.2675	3.5318	0.0112	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,114.8789	1,114.8789	0.0274		1,115.5641
Total	0.5542	4.6932	4.7017	0.0210	1.3558	0.0373	1.3931	0.3652	0.0354	0.4006		2,179.4575	2,179.4575	0.1173		2,182.3895

3.5 Parking - Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6038	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6038	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003	169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003	169.0249

3.6 Parking - Construction of Parking Spaces - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1675					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6220	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1675					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6220	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5649	2.0823	8.0195	0.0352	3.6856	0.0240	3.7096	0.9855	0.0223	1.0078		3,583.1452	3,583.1452	0.1329		3,586.4687
Unmitigated	0.5649	2.0823	8.0195	0.0352	3.6856	0.0240	3.7096	0.9855	0.0223	1.0078		3,583.1452	3,583.1452	0.1329		3,586.4687

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	223.14	49.77	21.24	546,126	546,126
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	453.15	93.33	43.68	1,315,413	1,315,413

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
General Office Building	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
Other Non-Asphalt Surfaces	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
Parking Lot	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
NaturalGas Unmitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
----------------	-----	-----	----	-----	---------------	--------------	------------	----------------	---------------	-------------	----------	-----------	-----------	-----	-----	------

Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	506.631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003		59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.506631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003		59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Unmitigated	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2500e-003	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Total	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2500e-003	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Total	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 PA - Orange County, Winter

**JWA Phase 1 PA
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.23	1000sqft	0.46	20,232.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	92.10	1000sqft	2.11	92,097.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *From JWA PA Schedule and ROM Estimate Summary

Construction Phase - *Dates from Proposed Project Schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -
 Off-road Equipment -
 Trips and VMT -
 Demolition -
 Off-road Equipment -
 Area Coating -
 Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	20,230.00	20,232.00
tblLandUse	LandUseSquareFeet	92,100.00	92,097.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.6434	91.3910	73.7567	0.1446	5.9589	4.4668	10.4257	1.2692	4.1827	5.4519	0.0000	14,467.4516	14,467.4516	2.9399	0.0000	14,534.7353
Maximum	9.6434	91.3910	73.7567	0.1446	5.9589	4.4668	10.4257	1.2692	4.1827	5.4519	0.0000	14,467.4516	14,467.4516	2.9399	0.0000	14,534.7353

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.6434	91.3910	73.7567	0.1446	5.9589	4.4668	10.4257	1.2692	4.1827	5.4519	0.0000	14,467.45 16	14,467.451 6	2.9399	0.0000	14,534.73 53
Maximum	9.6434	91.3910	73.7567	0.1446	5.9589	4.4668	10.4257	1.2692	4.1827	5.4519	0.0000	14,467.45 16	14,467.451 6	2.9399	0.0000	14,534.73 53

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.5542	2.1385	7.6143	0.0336	3.6856	0.0241	3.7096	0.9855	0.0223	1.0078		3,430.037 0	3,430.0370	0.1325		3,433.348 7
Total	1.8518	2.3737	7.8361	0.0350	3.6856	0.0420	3.7276	0.9855	0.0403	1.0258		3,711.997 8	3,711.9978	0.1380	5.1700e-003	3,716.988 2

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.5542	2.1385	7.6143	0.0336	3.6856	0.0241	3.7096	0.9855	0.0223	1.0078		3,430.0370	3,430.0370	0.1325		3,433.3487
Total	1.8518	2.3737	7.8361	0.0350	3.6856	0.0420	3.7276	0.9855	0.0403	1.0258		3,711.9978	3,711.9978	0.1380	5.1700e-003	3,716.9882

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	4/15/2019	5	68	
2	Building Construction - New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Building Construction - FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Parking - Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Parking - Construction of Parking Spaces - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.28

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Pavers	0		130	0.42
Demolition - 1	Paving Equipment	0		132	0.36
Demolition - 1	Rollers	0		80	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction - FBO - 1	Cranes	1	7.00	231	0.29
Building Construction - FBO - 1	Forklifts	3	8.00	89	0.20
Building Construction - FBO - 1	Generator Sets	1	8.00	84	0.74
Building Construction - FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - FBO - 1	Welders	1	8.00	46	0.45
Parking - Construction of Apron - 1	Pavers	2	8.00	130	0.42
Parking - Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Parking - Construction of Apron - 1	Rollers	2	8.00	80	0.38
Building Construction - New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Building Construction - New Sheriff Office - 1	Forklifts	3	8.00	89	0.20
Building Construction - New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Parking - Construction of Parking Spaces - 1	Pavers	2	8.00	130	0.42
Parking - Construction of Parking Spaces - 1	Paving Equipment	2	8.00	132	0.36
Parking - Construction of Parking Spaces - 1	Rollers	2	8.00	80	0.38
Building Construction - New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - New Sheriff Office - 1	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1	6	15.00	0.00	896.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - New Sheriff Office - 1	9	99.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - FBO - 1	9	99.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Construction of Apron - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Construction of Parking Spaces - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8502	0.0000	2.8502	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.8502	1.7949	4.6451	0.4316	1.6697	2.1012		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.1124	3.9570	0.9913	0.0101	0.2294	0.0153	0.2448	0.0628	0.0147	0.0775		1,119.7239	1,119.7239	0.1217		1,122.7665
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.1821	4.0016	1.4867	0.0117	0.3971	0.0165	0.4136	0.1073	0.0157	0.1230		1,279.5900	1,279.5900	0.1256		1,282.7310

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8502	0.0000	2.8502	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.8502	1.7949	4.6451	0.4316	1.6697	2.1012	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1124	3.9570	0.9913	0.0101	0.2294	0.0153	0.2448	0.0628	0.0147	0.0775		1,119.7239	1,119.7239	0.1217		1,122.7665
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Total	0.1821	4.0016	1.4867	0.0117	0.3971	0.0165	0.4136	0.1073	0.0157	0.1230		1,279.590	1,279.5900	0.1256		1,282.731
												0				0

3.3 Building Construction - New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4603	0.2941	3.2698	0.0106	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,055.1160	1,055.1160	0.0260		1,055.7659
Total	0.6128	4.7244	4.5543	0.0202	1.3558	0.0379	1.3936	0.3652	0.0360	0.4011		2,093.9010	2,093.9010	0.1206		2,096.9161

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4603	0.2941	3.2698	0.0106	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,055.1160	1,055.1160	0.0260		1,055.7659
Total	0.6128	4.7244	4.5543	0.0202	1.3558	0.0379	1.3936	0.3652	0.0360	0.4011		2,093.9010	2,093.9010	0.1206		2,096.9161

3.4 Building Construction - FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4603	0.2941	3.2698	0.0106	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,055.1160	1,055.1160	0.0260		1,055.7659
Total	0.6128	4.7244	4.5543	0.0202	1.3558	0.0379	1.3936	0.3652	0.0360	0.4011		2,093.9010	2,093.9010	0.1206		2,096.9161

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4603	0.2941	3.2698	0.0106	1.1066	7.3900e-003	1.1140	0.2935	6.8100e-003	0.3003		1,055.1160	1,055.1160	0.0260		1,055.7659
Total	0.6128	4.7244	4.5543	0.0202	1.3558	0.0379	1.3936	0.3652	0.0360	0.4011		2,093.9010	2,093.9010	0.1206		2,096.9161

3.5 Parking - Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6038	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6038	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1675					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6220	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5542	2.1385	7.6143	0.0336	3.6856	0.0241	3.7096	0.9855	0.0223	1.0078		3,430.037	3,430.0370	0.1325		3,433.348
												0				7
Unmitigated	0.5542	2.1385	7.6143	0.0336	3.6856	0.0241	3.7096	0.9855	0.0223	1.0078		3,430.037	3,430.0370	0.1325		3,433.348
												0				7

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	223.14	49.77	21.24	546,126	546,126
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	453.15	93.33	43.68	1,315,413	1,315,413

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
General Office Building	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
Other Non-Asphalt Surfaces	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
Parking Lot	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
NaturalGas Unmitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141	222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	506.631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003	59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179	281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.506631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003		59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Unmitigated	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2500e-003	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Total	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2500e-003	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559
Total	1.2718	2.2000e-004	0.0244	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0525	0.0525	1.4000e-004		0.0559

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B - Orange County, Summer

**JWA Phases 1A-1B
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	42.46	1000sqft	0.97	42,462.00	0
Other Non-Asphalt Surfaces	62.56	1000sqft	1.44	62,559.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Demolition -

Grading - * Defined in project schedule or ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Year	lb/day										lb/day					
2019	5.7795	60.0106	38.7128	0.0719	8.1523	3.0995	11.2518	3.7052	2.8713	6.5765	0.0000	7,134.8619	7,134.8619	1.8575	0.0000	7,181.3005
2020	5.3978	55.7484	38.0942	0.0717	8.1084	2.8077	10.9162	3.6892	2.6003	6.2895	0.0000	6,994.7022	6,994.7022	1.8511	0.0000	7,040.9783
Maximum	5.7795	60.0106	38.7128	0.0719	8.1523	3.0995	11.2518	3.7052	2.8713	6.5765	0.0000	7,134.8619	7,134.8619	1.8575	0.0000	7,181.3005

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.7795	60.0106	38.7128	0.0719	3.5902	3.0995	6.6898	1.5530	2.8713	4.4243	0.0000	7,134.8619	7,134.8619	1.8575	0.0000	7,181.3005
2020	5.3978	55.7484	38.0942	0.0717	3.5231	2.8077	6.3308	1.5344	2.6003	4.1347	0.0000	6,994.7022	6,994.7022	1.8511	0.0000	7,040.9783
Maximum	5.7795	60.0106	38.7128	0.0719	3.5902	3.0995	6.6898	1.5530	2.8713	4.4243	0.0000	7,134.8619	7,134.8619	1.8575	0.0000	7,181.3005

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	56.25	0.00	41.26	58.25	0.00	33.48	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0462	1.0000e-004	0.0108	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005	0.0000	0.0245

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0462	1.0000e-004	0.0108	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005	0.0000	0.0245

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	11/14/2019	5	41	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area Pavement - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	

6	Construction of Tie-Down Area Paving	2/6/2020	4/10/2020	5	47
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Subgrade - 1A	Graders	1	8.00	187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Tie-Down Area Pavement - 1A	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area Pavement - 1A	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area Pavement - 1A	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area Pavement - 1A	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area Pavement - 1A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Subgrade - 1B	Graders	1	8.00	187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of Tie-Down Area Pavement - 1B	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area Pavement - 1B	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area Pavement - 1B	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area Pavement - 1B	Rollers	2	8.00	80	0.38

Construction of Tie-Down Area Pavement - 1B	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	5	13.00	0.00	193.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	285.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area Pavement	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0196	0.0000	1.0196	0.1544	0.0000	0.1544			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0196	1.2863	2.3058	0.1544	1.2017	1.3561		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0391	1.3953	0.3345	3.6500e-003	0.0820	5.3600e-003	0.0873	0.0224	5.1300e-003	0.0276		406.0403	406.0403	0.0424		407.1000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0927	1.4305	0.7983	5.1200e-003	0.2273	6.3300e-003	0.2336	0.0610	6.0200e-003	0.0670		552.4385	552.4385	0.0460		553.5882

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3976	0.0000	0.3976	0.0602	0.0000	0.0602			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	0.3976	1.2863	1.6839	0.0602	1.2017	1.2619	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0391	1.3953	0.3345	3.6500e-003	0.0820	5.3600e-003	0.0873	0.0224	5.1300e-003	0.0276		406.0403	406.0403	0.0424		407.1000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0927	1.4305	0.7983	5.1200e-003	0.2273	6.3300e-003	0.2336	0.0610	6.0200e-003	0.0670		552.4385	552.4385	0.0460		553.5882

3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0792	0.0000	6.0792	3.3164	0.0000	3.3164			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	6.0792	1.0730	7.1522	3.3164	0.9871	4.3035		2,041.2539	2,041.2539	0.6458		2,057.3997

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	1.2934	0.0000	1.2934			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	2.3709	1.0730	3.4439	1.2934	0.9871	2.2805	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3995	0.0000	1.3995	0.2119	0.0000	0.2119			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.3995	1.2863	2.6858	0.2119	1.2017	1.4136		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0538	1.9200	0.4603	5.0300e-003	0.2488	7.3700e-003	0.2562	0.0643	7.0500e-003	0.0713		558.7118	558.7118	0.0583		560.1700
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.1074	1.9551	0.9241	6.5000e-003	0.3941	8.3400e-003	0.4025	0.1028	7.9400e-003	0.1107		705.1101	705.1101	0.0619		706.6582

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5458	0.0000	0.5458	0.0826	0.0000	0.0826			0.0000			0.0000

Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	0.5458	1.2863	1.8321	0.0826	1.2017	1.2844	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0538	1.9200	0.4603	5.0300e-003	0.2488	7.3700e-003	0.2562	0.0643	7.0500e-003	0.0713		558.7118	558.7118	0.0583		560.1700
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.1074	1.9551	0.9241	6.5000e-003	0.3941	8.3400e-003	0.4025	0.1028	7.9400e-003	0.1107		705.1101	705.1101	0.0619		706.6582

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3995	0.0000	1.3995	0.2119	0.0000	0.2119			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.3995	1.1525	2.5519	0.2119	1.0761	1.2880		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0489	1.7811	0.4500	4.9600e-003	0.1667	5.7700e-003	0.1725	0.0441	5.5200e-003	0.0496		552.5489	552.5489	0.0573		553.9808
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
Total	0.0989	1.8125	0.8756	6.3800e-003	0.3120	6.7300e-003	0.3187	0.0827	6.4000e-003	0.0891		694.2545	694.2545	0.0605		695.7672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5458	0.0000	0.5458	0.0826	0.0000	0.0826			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	0.5458	1.1525	1.6983	0.0826	1.0761	1.1588	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0489	1.7811	0.4500	4.9600e-003	0.1667	5.7700e-003	0.1725	0.0441	5.5200e-003	0.0496		552.5489	552.5489	0.0573		553.9808
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
Total	0.0989	1.8125	0.8756	6.3800e-003	0.3120	6.7300e-003	0.3187	0.0827	6.4000e-003	0.0891		694.2545	694.2545	0.0605		695.7672

3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418			1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418			1,759.7870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1175	0.0000	6.1175	3.3205	0.0000	3.3205			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.1175	0.9902	7.1077	3.3205	0.9110	4.2315		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3858	0.0000	2.3858	1.2950	0.0000	1.2950			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	2.3858	0.9902	3.3760	1.2950	0.9110	2.2060	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Unmitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B - Orange County, Winter

**JWA Phases 1A-1B
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	42.46	1000sqft	0.97	42,462.00	0
Other Non-Asphalt Surfaces	62.56	1000sqft	1.44	62,559.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Demolition -

Grading - * Defined in project schedule or ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Year	lb/day										lb/day					
2019	5.8010	60.0460	38.6392	0.0716	8.1523	3.0997	11.2519	3.7052	2.8715	6.5767	0.0000	7,103.6433	7,103.6433	1.8585	0.0000	7,150.1057
2020	5.4180	55.7799	38.0238	0.0713	8.1084	2.8078	10.9163	3.6892	2.6004	6.2896	0.0000	6,964.1602	6,964.1602	1.8519	0.0000	7,010.4579
Maximum	5.8010	60.0460	38.6392	0.0716	8.1523	3.0997	11.2519	3.7052	2.8715	6.5767	0.0000	7,103.6433	7,103.6433	1.8585	0.0000	7,150.1057

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.8010	60.0460	38.6392	0.0716	3.5902	3.0997	6.6899	1.5530	2.8715	4.4244	0.0000	7,103.6433	7,103.6433	1.8585	0.0000	7,150.1057
2020	5.4180	55.7799	38.0238	0.0713	3.5231	2.8078	6.3309	1.5344	2.6004	4.1348	0.0000	6,964.1602	6,964.1602	1.8519	0.0000	7,010.4579
Maximum	5.8010	60.0460	38.6392	0.0716	3.5902	3.0997	6.6899	1.5530	2.8715	4.4244	0.0000	7,103.6433	7,103.6433	1.8585	0.0000	7,150.1057

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	56.25	0.00	41.26	58.25	0.00	33.48	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0462	1.0000e-004	0.0108	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005	0.0000	0.0245

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0462	1.0000e-004	0.0108	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005	0.0000	0.0245

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	11/14/2019	5	41	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area Pavement - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	

6	Construction of Tie-Down Area Paving	2/6/2020	4/10/2020	5	47
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Subgrade - 1A	Graders	1	8.00	187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Tie-Down Area Pavement - 1A	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area Pavement - 1A	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area Pavement - 1A	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area Pavement - 1A	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area Pavement - 1A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Subgrade - 1B	Graders	1	8.00	187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of Tie-Down Area Pavement - 1B	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area Pavement - 1B	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area Pavement - 1B	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area Pavement - 1B	Rollers	2	8.00	80	0.38

Construction of Tie-Down Area Pavement - 1B	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	5	13.00	0.00	193.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	285.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area Pavement	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0196	0.0000	1.0196	0.1544	0.0000	0.1544			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0196	1.2863	2.3058	0.1544	1.2017	1.3561		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0402	1.4137	0.3541	3.6000e-003	0.0820	5.4800e-003	0.0875	0.0224	5.2400e-003	0.0277		400.0233	400.0233	0.0435		401.1103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1006	1.4523	0.7835	4.9900e-003	0.2273	6.4500e-003	0.2337	0.0610	6.1300e-003	0.0671		538.5739	538.5739	0.0469		539.7462

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3976	0.0000	0.3976	0.0602	0.0000	0.0602			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	0.3976	1.2863	1.6839	0.0602	1.2017	1.2619	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0402	1.4137	0.3541	3.6000e-003	0.0820	5.4800e-003	0.0875	0.0224	5.2400e-003	0.0277		400.0233	400.0233	0.0435		401.1103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1006	1.4523	0.7835	4.9900e-003	0.2273	6.4500e-003	0.2337	0.0610	6.1300e-003	0.0671		538.5739	538.5739	0.0469		539.7462

3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.0792	0.0000	6.0792	3.3164	0.0000	3.3164			0.0000				0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458			2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	6.0792	1.0730	7.1522	3.3164	0.9871	4.3035		2,041.2539	2,041.2539	0.6458			2,057.3997

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	1.2934	0.0000	1.2934			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	2.3709	1.0730	3.4439	1.2934	0.9871	2.2805	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3995	0.0000	1.3995	0.2119	0.0000	0.2119			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.3995	1.2863	2.6858	0.2119	1.2017	1.4136		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0553	1.9452	0.4873	4.9500e-003	0.2488	7.5400e-003	0.2563	0.0643	7.2100e-003	0.0715		550.4325	550.4325	0.0598		551.9281
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1157	1.9838	0.9166	6.3400e-003	0.3941	8.5100e-003	0.4026	0.1028	8.1000e-003	0.1109		688.9830	688.9830	0.0632		690.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5458	0.0000	0.5458	0.0826	0.0000	0.0826			0.0000			0.0000

Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	0.5458	1.2863	1.8321	0.0826	1.2017	1.2844	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0553	1.9452	0.4873	4.9500e-003	0.2488	7.5400e-003	0.2563	0.0643	7.2100e-003	0.0715		550.4325	550.4325	0.0598		551.9281
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1157	1.9838	0.9166	6.3400e-003	0.3941	8.5100e-003	0.4026	0.1028	8.1000e-003	0.1109		688.9830	688.9830	0.0632		690.5640

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3995	0.0000	1.3995	0.2119	0.0000	0.2119			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.3995	1.1525	2.5519	0.2119	1.0761	1.2880		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0501	1.8035	0.4738	4.8800e-003	0.1667	5.8700e-003	0.1726	0.0441	5.6200e-003	0.0497		544.2075	544.2075	0.0586		545.6734
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873
Total	0.1066	1.8381	0.8671	6.2200e-003	0.3120	6.8300e-003	0.3188	0.0827	6.5000e-003	0.0892		678.3182	678.3182	0.0617		679.8606

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5458	0.0000	0.5458	0.0826	0.0000	0.0826			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	0.5458	1.1525	1.6983	0.0826	1.0761	1.1588	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0501	1.8035	0.4738	4.8800e-003	0.1667	5.8700e-003	0.1726	0.0441	5.6200e-003	0.0497		544.2075	544.2075	0.0586		545.6734
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873
Total	0.1066	1.8381	0.8671	6.2200e-003	0.3120	6.8300e-003	0.3188	0.0827	6.5000e-003	0.0892		678.3182	678.3182	0.0617		679.8606

3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418			1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418			1,759.7870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1175	0.0000	6.1175	3.3205	0.0000	3.3205			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.1175	0.9902	7.1077	3.3205	0.9110	4.2315		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210
Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3858	0.0000	2.3858	1.2950	0.0000	1.2950			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	2.3858	0.9902	3.3760	1.2950	0.9110	2.2060	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210
Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210

3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Unmitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 PA - Orange County, Summer

**JWA Phase 2 PA
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	121.04	1000sqft	2.78	121,041.00	0
Parking Lot	70.12	1000sqft	1.61	70,119.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Area Coating - * Defined in project schedule and ROM estimate
- Landscape Equipment -
- Water And Wastewater -
- Solid Waste -
- Construction Off-road Equipment Mitigation -
- Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11470	11725
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	121,040.00	121,041.00
tblLandUse	LandUseSquareFeet	70,120.00	70,119.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.8167	86.2210	66.3486	0.1526	7.5652	3.9722	11.5374	1.5413	3.7179	5.2591	0.0000	15,203.77 33	15,203.773 3	2.7152	0.0000	15,271.65 35
Maximum	8.8167	86.2210	66.3486	0.1526	7.5652	3.9722	11.5374	1.5413	3.7179	5.2591	0.0000	15,203.77 33	15,203.773 3	2.7152	0.0000	15,271.65 35

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.8167	86.2210	66.3486	0.1526	4.9918	3.9722	8.9639	1.1516	3.7179	4.8695	0.0000	15,203.77 33	15,203.773 3	2.7152	0.0000	15,271.65 35
Maximum	8.8167	86.2210	66.3486	0.1526	4.9918	3.9722	8.9639	1.1516	3.7179	4.8695	0.0000	15,203.77 33	15,203.773 3	2.7152	0.0000	15,271.65 35

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	34.02	0.00	22.31	25.28	0.00	7.41	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.39

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42

Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	897.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2187	0.0000	4.2187	0.6388	0.0000	0.6388			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	4.2187	1.6587	5.8774	0.6388	1.5419	2.1806		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1473	5.3619	1.3548	0.0149	0.3395	0.0174	0.3569	0.0930	0.0166	0.1096		1,663.4629	1,663.4629	0.1724		1,667.7737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.2049	5.3982	1.8458	0.0166	0.5072	0.0185	0.5257	0.1374	0.0176	0.1550		1,826.9694	1,826.9694	0.1762		1,831.3734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6453	0.0000	1.6453	0.2491	0.0000	0.2491			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.6453	1.6587	3.3040	0.2491	1.5419	1.7910	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.1473	5.3619	1.3548	0.0149	0.3395	0.0174	0.3569	0.0930	0.0166	0.1096	1,663.4629	1,663.4629	0.1724		1,667.737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003		163.5997
Total	0.2049	5.3982	1.8458	0.0166	0.5072	0.0185	0.5257	0.1374	0.0176	0.1550	1,826.9694	1,826.9694	0.1762		1,831.3734

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	2,553.0631	2,553.0631	0.6229			2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	2,553.0631	2,553.0631	0.6229			2,568.6345

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991	1,138.7415	1,138.7415	0.0921			1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123	1,122.7449	1,122.7449	0.0256			1,123.3848

Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,122.7449	1,122.7449	0.0256		1,123.3848
Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,122.7449	1,122.7449	0.0256		1,123.3848
Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,122.7449	1,122.7449	0.0256		1,123.3848
Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4737	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003			163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003			163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4737	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140			2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4884	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4884	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9023	3.6657	12.8607	0.0491	4.3560	0.0349	4.3909	1.1648	0.0325	1.1973		4,982.0593	4,982.0593	0.1999		4,987.0578
Unmitigated	0.9023	3.6657	12.8607	0.0491	4.3560	0.0349	4.3909	1.1648	0.0325	1.1973		4,982.0593	4,982.0593	0.1999		4,987.0578

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

General Office Building	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
Parking Lot	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195			308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195			308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141			222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003			85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Unmitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 PA - Orange County, Winter

**JWA Phase 2 PA
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	121.04	1000sqft	2.78	121,041.00	0
Parking Lot	70.12	1000sqft	1.61	70,119.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Trips and VMT -
- Demolition -
- Grading -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Area Coating - * Defined in project schedule and ROM estimate
- Landscape Equipment -
- Water And Wastewater -
- Solid Waste -
- Construction Off-road Equipment Mitigation -
- Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11470	11725
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	121,040.00	121,041.00
tblLandUse	LandUseSquareFeet	70,120.00	70,119.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.9427	86.3385	66.0944	0.1506	7.5652	3.9733	11.5385	1.5413	3.7189	5.2602	0.0000	14,993.57 93	14,993.579 3	2.7257	0.0000	15,061.72 19
Maximum	8.9427	86.3385	66.0944	0.1506	7.5652	3.9733	11.5385	1.5413	3.7189	5.2602	0.0000	14,993.57 93	14,993.579 3	2.7257	0.0000	15,061.72 19

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.9427	86.3385	66.0944	0.1506	4.9918	3.9733	8.9650	1.1516	3.7189	4.8705	0.0000	14,993.57 93	14,993.579 3	2.7257	0.0000	15,061.72 19
Maximum	8.9427	86.3385	66.0944	0.1506	4.9918	3.9733	8.9650	1.1516	3.7189	4.8705	0.0000	14,993.57 93	14,993.579 3	2.7257	0.0000	15,061.72 19

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	34.02	0.00	22.30	25.28	0.00	7.41	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.39

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42

Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	897.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2187	0.0000	4.2187	0.6388	0.0000	0.6388			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	4.2187	1.6587	5.8774	0.6388	1.5419	2.1806		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1509	5.4294	1.4265	0.0147	0.3395	0.0177	0.3572	0.0930	0.0169	0.1099		1,638.3508	1,638.3508	0.1765		1,642.7641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.2161	5.4693	1.8803	0.0163	0.5072	0.0188	0.5260	0.1374	0.0179	0.1554		1,793.0940	1,793.0940	0.1801		1,797.5955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6453	0.0000	1.6453	0.2491	0.0000	0.2491			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.6453	1.6587	3.3040	0.2491	1.5419	1.7910	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.1509	5.4294	1.4265	0.0147	0.3395	0.0177	0.3572	0.0930	0.0169	0.1099	1,638.3508	1,638.3508	0.1765		1,642.7641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	154.7432	154.7432	3.5300e-003		154.8314
Total	0.2161	5.4693	1.8803	0.0163	0.5072	0.0188	0.5260	0.1374	0.0179	0.1554	1,793.0940	1,793.0940	0.1801		1,797.5955

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	2,553.0631	2,553.0631	0.6229			2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	2,553.0631	2,553.0631	0.6229			2,568.6345

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994	1,110.7574	1,110.7574	0.0968			1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123	1,062.5698	1,062.5698	0.0242			1,063.1759

Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.327	2,173.3272	0.1210		2,176.351
												2				9

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,062.5698	1,062.5698	0.0242		1,063.1759
Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.3272	2,173.3272	0.1210		2,176.3519

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,062.5698	1,062.5698	0.0242		1,063.1759
Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.3272	2,173.3272	0.1210		2,176.3519

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,062.5698	1,062.5698	0.0242		1,063.1759
Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.3272	2,173.3272	0.1210		2,176.3519

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4737	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4737	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4884	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4884	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8874	3.7824	12.2404	0.0469	4.3560	0.0350	4.3910	1.1648	0.0326	1.1974		4,761.3293	4,761.3293	0.1987		4,766.2971
Unmitigated	0.8874	3.7824	12.2404	0.0469	4.3560	0.0350	4.3910	1.1648	0.0326	1.1974		4,761.3293	4,761.3293	0.1987		4,766.2971

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

General Office Building	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
Parking Lot	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195			308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195			308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141			222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003			85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Unmitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA_Phase3_PA - Orange County, Summer

JWA_Phase3_PA
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	106.90	1000sqft	2.45	106,902.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	106,900.00	106,902.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4590	36.4865	23.0652	0.0495	3.3649	1.6703	5.0353	0.5944	1.5529	2.1474	0.0000	4,919.2125	4,919.2125	1.1662	0.0000	4,948.3666
2021	7.8852	68.9149	71.7719	0.1448	4.4131	3.3059	7.1957	1.1510	3.0807	3.9370	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250

Maximum	7.8852	68.9149	71.7719	0.1448	4.4131	3.3059	7.1957	1.1510	3.0807	3.9370	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4590	36.4865	23.0652	0.0495	1.8040	1.6703	3.4743	0.3581	1.5529	1.9110	0.0000	4,919.2125	4,919.2125	1.1662	0.0000	4,948.3666
2021	7.8852	68.9149	71.7719	0.1448	4.2733	3.3059	7.1957	1.1510	3.0807	3.9370	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250
Maximum	7.8852	68.9149	71.7719	0.1448	4.2733	3.3059	7.1957	1.1510	3.0807	3.9370	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	21.87	0.00	12.76	13.54	0.00	3.88	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3923	2.0794	6.9350	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5108	2,958.5108	0.1111	4.0200e-003	2,962.4885

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3923	2.0794	6.9350	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5108	2,958.5108	0.1111	4.0200e-003	2,962.4885

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38

Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	579.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO-3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5589	0.0000	2.5589	0.3874	0.0000	0.3874			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.5589	1.6587	4.2176	0.3874	1.5419	1.9293		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0892	3.2491	0.8210	9.0400e-003	0.6384	0.0105	0.6489	0.1625	0.0101	0.1726		1,008.0011	1,008.0011	0.1045		1,010.6132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1469	3.2855	1.3120	0.0107	0.8060	0.0116	0.8177	0.2070	0.0111	0.2181		1,171.5076	1,171.5076	0.1082		1,174.2130

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9980	0.0000	0.9980	0.1511	0.0000	0.1511			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.9980	1.6587	2.6567	0.1511	1.5419	1.6930	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0892	3.2491	0.8210	9.0400e-003	0.6384	0.0105	0.6489	0.1625	0.0101	0.1726	1,008.0011	1,008.0011	0.1045		1,010.6132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003		163.5997
Total	0.1469	3.2855	1.3120	0.0107	0.8060	0.0116	0.8177	0.2070	0.0111	0.2181	1,171.5076	1,171.5076	0.1082		1,174.2130

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					2.5589	0.0000	2.5589	0.3874	0.0000	0.3874			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	3,747.9449	3,747.9449	1.0549			3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.5589	1.5513	4.1103	0.3874	1.4411	1.8285	3,747.9449	3,747.9449	1.0549			3,774.3174

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0851	3.0039	0.8252	8.9100e-003	0.2621	9.4400e-003	0.2716	0.0702	9.0300e-003	0.0792		995.6647	995.6647	0.1032		998.2455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Total	0.1392	3.0367	1.2808	0.0105	0.4298	0.0105	0.4403	0.1146	0.0100	0.1247		1,153.4939	1,153.4939	0.1066		1,156.1591
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9980	0.0000	0.9980	0.1511	0.0000	0.1511			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9980	1.5513	2.5493	0.1511	1.4411	1.5922	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0851	3.0039	0.8252	8.9100e-003	0.2621	9.4400e-003	0.2716	0.0702	9.0300e-003	0.0792		995.6647	995.6647	0.1032		998.2455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1392	3.0367	1.2808	0.0105	0.4298	0.0105	0.4403	0.1146	0.0100	0.1247		1,153.4939	1,153.4939	0.1066		1,156.1591

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678

Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
											Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Unmitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003		113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003		21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003		113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003		21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004			0.0584
Unmitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004			0.0584

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004			0.0584

Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA_Phase3_PA - Orange County, Winter

JWA_Phase3_PA
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	106.90	1000sqft	2.45	106,902.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	106,900.00	106,902.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.4868	52.8080	25.9547	0.0632	6.9412	2.2512	9.1924	1.1318	2.0977	3.2294	0.0000	6,602.2177	6,602.2177	1.3527	0.0000	6,636.0343
2018	3.3774	28.6369	22.8139	0.0485	1.4245	1.5444	2.9689	0.3837	1.4523	1.8359	0.0000	4,857.1548	4,857.1548	0.7753	0.0000	4,876.5369
2019	3.0050	26.0453	21.9491	0.0481	1.4244	1.3297	2.7541	0.3837	1.2505	1.6342	0.0000	4,792.0408	4,792.0408	0.7581	0.0000	4,810.9935
2020	2.7083	23.7326	21.2306	0.0476	1.4244	1.1474	2.5718	0.3837	1.0791	1.4628	0.0000	4,710.2598	4,710.2598	0.7418	0.0000	4,728.8043
Maximum	4.4868	52.8080	25.9547	0.0632	6.9412	2.2512	9.1924	1.1318	2.0977	3.2294	0.0000	6,602.2177	6,602.2177	1.3527	0.0000	6,636.0343

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.4868	52.8080	25.9547	0.0632	3.1169	2.2512	5.3681	0.5527	2.0977	2.6504	0.0000	6,602.2177	6,602.2177	1.3527	0.0000	6,636.0343
2018	3.3774	28.6369	22.8139	0.0485	1.4245	1.5444	2.9689	0.3837	1.4523	1.8359	0.0000	4,857.1548	4,857.1548	0.7753	0.0000	4,876.5369
2019	3.0050	26.0453	21.9491	0.0481	1.4244	1.3297	2.7541	0.3837	1.2505	1.6342	0.0000	4,792.0408	4,792.0408	0.7581	0.0000	4,810.9935
2020	2.7083	23.7326	21.2306	0.0476	1.4244	1.1474	2.5718	0.3837	1.0791	1.4628	0.0000	4,710.2598	4,710.2598	0.7418	0.0000	4,728.8043
Maximum	4.4868	52.8080	25.9547	0.0632	3.1169	2.2512	5.3681	0.5527	2.0977	2.6504	0.0000	6,602.2177	6,602.2177	1.3527	0.0000	6,636.0343

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	34.10	0.00	21.87	25.37	0.00	7.09	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational
Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798

Total	1.3843	2.1396	6.5825	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2621	2,838.2621	0.1104	4.0200e-003	2,842.2215
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Total	1.3843	2.1396	6.5825	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2621	2,838.2621	0.1104	4.0200e-003	2,842.2215

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	11/13/2017	12/8/2017	5	20	
2	Construction of FBO- 3-3A	Building Construction	12/9/2017	10/26/2018	5	230	
3	Construct Office - 3-3A	Building Construction	10/27/2018	9/13/2019	5	230	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	9/14/2019	7/31/2020	5	230	
5	Construction of Apron - 3-3A	Paving	8/1/2020	8/28/2020	5	20	
6	Construction of Park Spaces/Lighting	Paving	8/29/2020	9/25/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36

Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	579.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO- 3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 3-3A - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2694	0.0000	6.2694	0.9492	0.0000	0.9492			0.0000			0.0000
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	4.1031	42.7475	23.0122	0.0388	6.2694	2.1935	8.4628	0.9492	2.0425	2.9918		3,924.2833	3,924.2833	1.0730		3,951.1070

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2999	10.0032	2.3257	0.0227	0.5042	0.0566	0.5608	0.1380	0.0542	0.1922		2,508.7776	2,508.7776	0.2748		2,515.6469
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0573	0.6168	1.7000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		169.1567	169.1567	4.9500e-003		169.2805
Total	0.3836	10.0605	2.9425	0.0244	0.6719	0.0577	0.7296	0.1825	0.0552	0.2377		2,677.9343	2,677.9343	0.2797		2,684.9273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4451	0.0000	2.4451	0.3702	0.0000	0.3702			0.0000			0.0000
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	4.1031	42.7475	23.0122	0.0388	2.4451	2.1935	4.6385	0.3702	2.0425	2.4127	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2999	10.0032	2.3257	0.0227	0.5042	0.0566	0.5608	0.1380	0.0542	0.1922		2,508.7776	2,508.7776	0.2748		2,515.6469
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0837	0.0573	0.6168	1.7000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		169.1567	169.1567	4.9500e-003		169.2805
Total	0.3836	10.0605	2.9425	0.0244	0.6719	0.0577	0.7296	0.1825	0.0552	0.2377		2,677.9343	2,677.9343	0.2797		2,684.9273

3.3 Construction of FBO- 3-3A - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.1975	5.2315	1.5805	0.0102	0.2620	0.0463	0.3083	0.0754	0.0443	0.1197		1,103.0654	1,103.0654	0.1074		1,105.7504
Worker	0.5805	0.3969	4.2763	0.0118	1.1625	7.7300e-003	1.1702	0.3083	7.1300e-003	0.3154		1,172.8199	1,172.8199	0.0343		1,173.6779
Total	0.7779	5.6284	5.8568	0.0220	1.4245	0.0540	1.4785	0.3837	0.0514	0.4351		2,275.8853	2,275.8853	0.1417		2,279.4283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1975	5.2315	1.5805	0.0102	0.2620	0.0463	0.3083	0.0754	0.0443	0.1197		1,103.0654	1,103.0654	0.1074		1,105.7504
Worker	0.5805	0.3969	4.2763	0.0118	1.1625	7.7300e-003	1.1702	0.3083	7.1300e-003	0.3154		1,172.8199	1,172.8199	0.0343		1,173.6779
Total	0.7779	5.6284	5.8568	0.0220	1.4245	0.0540	1.4785	0.3837	0.0514	0.4351		2,275.8853	2,275.8853	0.1417		2,279.4283

3.3 Construction of FBO- 3-3A - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	4.8988	1.4404	0.0101	0.2620	0.0369	0.2988	0.0754	0.0353	0.1107		1,097.6304	1,097.6304	0.1029		1,100.2027
Worker	0.5246	0.3480	3.7931	0.0114	1.1625	7.6800e-003	1.1702	0.3083	7.0700e-003	0.3154		1,138.5892	1,138.5892	0.0303		1,139.3460
Total	0.6979	5.2468	5.2335	0.0216	1.4245	0.0445	1.4690	0.3837	0.0423	0.4260		2,236.2197	2,236.2197	0.1332		2,239.5487

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	4.8988	1.4404	0.0101	0.2620	0.0369	0.2988	0.0754	0.0353	0.1107		1,097.6304	1,097.6304	0.1029		1,100.2027
Worker	0.5246	0.3480	3.7931	0.0114	1.1625	7.6800e-003	1.1702	0.3083	7.0700e-003	0.3154		1,138.5892	1,138.5892	0.0303		1,139.3460
Total	0.6979	5.2468	5.2335	0.0216	1.4245	0.0445	1.4690	0.3837	0.0423	0.4260		2,236.2197	2,236.2197	0.1332		2,239.5487

3.4 Construct Office - 3-3A - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	4.8988	1.4404	0.0101	0.2620	0.0369	0.2988	0.0754	0.0353	0.1107		1,097.6304	1,097.6304	0.1029		1,100.2027
Worker	0.5246	0.3480	3.7931	0.0114	1.1625	7.6800e-003	1.1702	0.3083	7.0700e-003	0.3154		1,138.5892	1,138.5892	0.0303		1,139.3460
Total	0.6979	5.2468	5.2335	0.0216	1.4245	0.0445	1.4690	0.3837	0.0423	0.4260		2,236.2197	2,236.2197	0.1332		2,239.5487

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	4.8988	1.4404	0.0101	0.2620	0.0369	0.2988	0.0754	0.0353	0.1107		1,097.6304	1,097.6304	0.1029		1,100.2027
Worker	0.5246	0.3480	3.7931	0.0114	1.1625	7.6800e-003	1.1702	0.3083	7.0700e-003	0.3154		1,138.5892	1,138.5892	0.0303		1,139.3460
Total	0.6979	5.2468	5.2335	0.0216	1.4245	0.0445	1.4690	0.3837	0.0423	0.4260		2,236.2197	2,236.2197	0.1332		2,239.5487

3.4 Construct Office - 3-3A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1603	4.6576	1.3504	0.0101	0.2620	0.0320	0.2940	0.0754	0.0306	0.1060		1,092.0561	1,092.0561	0.0995		1,094.5426
Worker	0.4835	0.3089	3.4349	0.0111	1.1625	7.7700e-003	1.1702	0.3083	7.1500e-003	0.3155		1,108.4046	1,108.4046	0.0273		1,109.0874
Total	0.6438	4.9665	4.7853	0.0212	1.4244	0.0398	1.4642	0.3837	0.0378	0.4215		2,200.4607	2,200.4607	0.1268		2,203.6300

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1603	4.6576	1.3504	0.0101	0.2620	0.0320	0.2940	0.0754	0.0306	0.1060		1,092.0561	1,092.0561	0.0995		1,094.5426
Worker	0.4835	0.3089	3.4349	0.0111	1.1625	7.7700e-003	1.1702	0.3083	7.1500e-003	0.3155		1,108.4046	1,108.4046	0.0273		1,109.0874
Total	0.6438	4.9665	4.7853	0.0212	1.4244	0.0398	1.4642	0.3837	0.0378	0.4215		2,200.4607	2,200.4607	0.1268		2,203.6300

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1603	4.6576	1.3504	0.0101	0.2620	0.0320	0.2940	0.0754	0.0306	0.1060		1,092.0561	1,092.0561	0.0995		1,094.5426
Worker	0.4835	0.3089	3.4349	0.0111	1.1625	7.7700e-003	1.1702	0.3083	7.1500e-003	0.3155		1,108.4046	1,108.4046	0.0273		1,109.0874
Total	0.6438	4.9665	4.7853	0.0212	1.4244	0.0398	1.4642	0.3837	0.0378	0.4215		2,200.4607	2,200.4607	0.1268		2,203.6300

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1603	4.6576	1.3504	0.0101	0.2620	0.0320	0.2940	0.0754	0.0306	0.1060		1,092.0561	1,092.0561	0.0995		1,094.5426
Worker	0.4835	0.3089	3.4349	0.0111	1.1625	7.7700e-003	1.1702	0.3083	7.1500e-003	0.3155		1,108.4046	1,108.4046	0.0273		1,109.0874
Total	0.6438	4.9665	4.7853	0.0212	1.4244	0.0398	1.4642	0.3837	0.0378	0.4215		2,200.4607	2,200.4607	0.1268		2,203.6300

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1368	4.2699	1.2357	9.9700e-003	0.2620	0.0227	0.2846	0.0754	0.0217	0.0971		1,084.3108	1,084.3108	0.0944		1,086.6719
Worker	0.4517	0.2767	3.1464	0.0108	1.1625	7.6900e-003	1.1702	0.3083	7.0800e-003	0.3154		1,072.8860	1,072.8860	0.0245		1,073.4980
Total	0.5884	4.5466	4.3821	0.0207	1.4244	0.0304	1.4548	0.3837	0.0288	0.4124		2,157.1968	2,157.1968	0.1189		2,160.1698

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1368	4.2699	1.2357	9.9700e-003	0.2620	0.0227	0.2846	0.0754	0.0217	0.0971		1,084.3108	1,084.3108	0.0944		1,086.6719
Worker	0.4517	0.2767	3.1464	0.0108	1.1625	7.6900e-003	1.1702	0.3083	7.0800e-003	0.3154		1,072.8860	1,072.8860	0.0245		1,073.4980
Total	0.5884	4.5466	4.3821	0.0207	1.4244	0.0304	1.4548	0.3837	0.0288	0.4124		2,157.1968	2,157.1968	0.1189		2,160.1698

3.6 Construction of Apron - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6775	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6775	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

3.7 Construction of Park Spaces/Lighting - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6775	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6775	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803	2,618.7282	2,618.7282	0.1061	2,621.3798
Mitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803	2,618.7282	2,618.7282	0.1061	2,621.3798
Unmitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803	2,618.7282	2,618.7282	0.1061	2,621.3798

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003		113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003		21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139			219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004		0.0584
Unmitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004		0.0584

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 PA - Orange County, Summer

JWA Phase 4 PA
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	0
tblAreaCoating	Area_EF_Residential_Interior	50	0
tblAreaCoating	Area_Nonresidential_Exterior	12695	0
tblAreaCoating	Area_Nonresidential_Interior	38084	0
tblAreaCoating	Area_Parking	3573	35082
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	3.2086	32.8665	17.4744	0.0398	4.3111	1.6828	5.9939	0.7072	1.5740	2.2812	0.0000	4,141.0371	4,141.0371	0.7813	0.0000	4,160.5687
2018	2.8098	19.2077	15.7388	0.0298	0.4919	1.0730	1.5649	0.1325	1.0359	1.1683	0.0000	2,831.3018	2,831.3018	0.4532	0.0000	2,842.6314
Maximum	3.2086	32.8665	17.4744	0.0398	4.3111	1.6828	5.9939	0.7072	1.5740	2.2812	0.0000	4,141.0371	4,141.0371	0.7813	0.0000	4,160.5687

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	3.2086	32.8665	17.4744	0.0398	1.9591	1.6828	3.6419	0.3511	1.5740	1.9251	0.0000	4,141.0371	4,141.0371	0.7813	0.0000	4,160.5687
2018	2.8098	19.2077	15.7388	0.0298	0.4919	1.0730	1.5649	0.1325	1.0359	1.1683	0.0000	2,831.3018	2,831.3018	0.4532	0.0000	2,842.6314
Maximum	3.2086	32.8665	17.4744	0.0398	1.9591	1.6828	3.6419	0.3511	1.5740	1.9251	0.0000	4,141.0371	4,141.0371	0.7813	0.0000	4,160.5687

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.97	0.00	31.12	42.41	0.00	10.32	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.0000	0.0000	0.0000	0.0000	1.4232	0.0000	1.4232	0.3493	0.0000	0.3493		0.0000	0.0000	0.0000		0.0000
Total	0.5403	0.1426	0.1284	8.6000e-004	1.4232	0.0109	1.4341	0.3493	0.0109	0.3602		171.0517	171.0517	3.3300e-003	3.1400e-003	172.0692

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.0000	0.0000	0.0000	0.0000	1.4232	0.0000	1.4232	0.3493	0.0000	0.3493		0.0000	0.0000	0.0000		0.0000
Total	0.5403	0.1426	0.1284	8.6000e-004	1.4232	0.0109	1.4341	0.3493	0.0109	0.3602		171.0517	171.0517	3.3300e-003	3.1400e-003	172.0692

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	11/13/2017	12/8/2017	5	20	
2	Construction of FBO - 4	Building Construction	12/9/2017	9/14/2018	5	200	
3	Construction of Apron - 4	Paving	9/15/2018	9/28/2018	5	10	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	9/29/2018	10/12/2018	5	10	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	10/13/2018	10/26/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Category	lb/day										lb/day					
Fugitive Dust					3.8558	0.0000	3.8558	0.5838	0.0000	0.5838			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404		2,421.4229	2,421.4229	0.6125		2,436.7347
Total	2.7625	26.7594	15.5573	0.0241	3.8558	1.6477	5.5035	0.5838	1.5404	2.1242		2,421.4229	2,421.4229	0.6125		2,436.7347

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1797	6.0620	1.3435	0.0142	0.3100	0.0342	0.3442	0.0849	0.0327	0.1176		1,564.7353	1,564.7353	0.1643		1,568.8425
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0645	0.0451	0.5736	1.5600e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		154.8789	154.8789	4.5000e-003		154.9915
Total	0.2442	6.1071	1.9171	0.0157	0.4553	0.0352	0.4905	0.1234	0.0336	0.1570		1,719.6142	1,719.6142	0.1688		1,723.8340

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5038	0.0000	1.5038	0.2277	0.0000	0.2277			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404	0.0000	2,421.4229	2,421.4229	0.6125		2,436.7347

Total	2.7625	26.7594	15.5573	0.0241	1.5038	1.6477	3.1514	0.2277	1.5404	1.7681	0.0000	2,421.4229	2,421.4229	0.6125		2,436.7347
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1797	6.0620	1.3435	0.0142	0.3100	0.0342	0.3442	0.0849	0.0327	0.1176		1,564.7353	1,564.7353	0.1643		1,568.8425
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0645	0.0451	0.5736	1.5600e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		154.8789	154.8789	4.5000e-003		154.9915
Total	0.2442	6.1071	1.9171	0.0157	0.4553	0.0352	0.4905	0.1234	0.0336	0.1570		1,719.6142	1,719.6142	0.1688		1,723.8340

3.3 Construction of FBO - 4 - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085
Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0647	1.7813	0.4925	3.5600e-003	0.0895	0.0155	0.1050	0.0258	0.0149	0.0406		385.6902	385.6902	0.0348		386.5591
Worker	0.1786	0.1250	1.5884	4.3100e-003	0.4024	2.6800e-003	0.4051	0.1067	2.4700e-003	0.1092		428.8955	428.8955	0.0125		429.2073
Total	0.2433	1.9062	2.0809	7.8700e-003	0.4919	0.0182	0.5101	0.1325	0.0173	0.1498		814.5857	814.5857	0.0472		815.7664

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.8641	2,043.8641	0.4298		2,054.6085
Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.8641	2,043.8641	0.4298		2,054.6085

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0647	1.7813	0.4925	3.5600e-003	0.0895	0.0155	0.1050	0.0258	0.0149	0.0406		385.6902	385.6902	0.0348		386.5591
Worker	0.1786	0.1250	1.5884	4.3100e-003	0.4024	2.6800e-003	0.4051	0.1067	2.4700e-003	0.1092		428.8955	428.8955	0.0125		429.2073
Total	0.2433	1.9062	2.0809	7.8700e-003	0.4919	0.0182	0.5101	0.1325	0.0173	0.1498		814.5857	814.5857	0.0472		815.7664

3.3 Construction of FBO - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0567	1.6701	0.4481	3.5400e-003	0.0895	0.0124	0.1018	0.0257	0.0118	0.0376		384.0597	384.0597	0.0333		384.8929
Worker	0.1612	0.1096	1.4141	4.1800e-003	0.4024	2.6600e-003	0.4051	0.1067	2.4500e-003	0.1092		416.4032	416.4032	0.0110		416.6789
Total	0.2179	1.7797	1.8622	7.7200e-003	0.4919	0.0150	0.5069	0.1325	0.0143	0.1467		800.4629	800.4629	0.0444		801.5718

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0567	1.6701	0.4481	3.5400e-003	0.0895	0.0124	0.1018	0.0257	0.0118	0.0376		384.0597	384.0597	0.0333		384.8929
Worker	0.1612	0.1096	1.4141	4.1800e-003	0.4024	2.6600e-003	0.4051	0.1067	2.4500e-003	0.1092		416.4032	416.4032	0.0110		416.6789
Total	0.2179	1.7797	1.8622	7.7200e-003	0.4919	0.0150	0.5069	0.1325	0.0143	0.1467		800.4629	800.4629	0.0444		801.5718

3.4 Construction of Apron - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 PA - Orange County, Winter

JWA Phase 4 PA
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	0
tblAreaCoating	Area_EF_Nonresidential_Interior	100	0
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_EF_Residential_Exterior	50	0
tblAreaCoating	Area_EF_Residential_Interior	50	0
tblAreaCoating	Area_Nonresidential_Exterior	12695	0
tblAreaCoating	Area_Nonresidential_Interior	38084	0
tblAreaCoating	Area_Parking	3573	35082
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	3.2337	32.9596	17.5218	0.0396	4.3111	1.6834	5.9946	0.7072	1.5746	2.2818	0.0000	4,110.5553	4,110.5553	0.7857	0.0000	4,130.1979
2018	2.8327	19.2212	15.6814	0.0295	0.4919	1.0733	1.5651	0.1325	1.0361	1.1685	0.0000	2,799.7665	2,799.7665	0.4544	0.0000	2,811.1275
Maximum	3.2337	32.9596	17.5218	0.0396	4.3111	1.6834	5.9946	0.7072	1.5746	2.2818	0.0000	4,110.5553	4,110.5553	0.7857	0.0000	4,130.1979

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	3.2337	32.9596	17.5218	0.0396	1.9591	1.6834	3.6425	0.3511	1.5746	1.9257	0.0000	4,110.5553	4,110.5553	0.7857	0.0000	4,130.1979
2018	2.8327	19.2212	15.6814	0.0295	0.4919	1.0733	1.5651	0.1325	1.0361	1.1685	0.0000	2,799.7665	2,799.7665	0.4544	0.0000	2,811.1275
Maximum	3.2337	32.9596	17.5218	0.0396	1.9591	1.6834	3.6425	0.3511	1.5746	1.9257	0.0000	4,110.5553	4,110.5553	0.7857	0.0000	4,130.1979

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.97	0.00	31.11	42.41	0.00	10.32	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.0000	0.0000	0.0000	0.0000	1.4232	0.0000	1.4232	0.3493	0.0000	0.3493		0.0000	0.0000	0.0000		0.0000
Total	0.5403	0.1426	0.1284	8.6000e-004	1.4232	0.0109	1.4341	0.3493	0.0109	0.3602		171.0517	171.0517	3.3300e-003	3.1400e-003	172.0692

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.0000	0.0000	0.0000	0.0000	1.4232	0.0000	1.4232	0.3493	0.0000	0.3493		0.0000	0.0000	0.0000		0.0000
Total	0.5403	0.1426	0.1284	8.6000e-004	1.4232	0.0109	1.4341	0.3493	0.0109	0.3602		171.0517	171.0517	3.3300e-003	3.1400e-003	172.0692

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	11/13/2017	12/8/2017	5	20	
2	Construction of FBO - 4	Building Construction	12/9/2017	9/14/2018	5	200	
3	Construction of Apron - 4	Paving	9/15/2018	9/28/2018	5	10	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	9/29/2018	10/12/2018	5	10	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	10/13/2018	10/26/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Category	lb/day										lb/day					
Fugitive Dust					3.8558	0.0000	3.8558	0.5838	0.0000	0.5838			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404		2,421.4229	2,421.4229	0.6125		2,436.7347
Total	2.7625	26.7594	15.5573	0.0241	3.8558	1.6477	5.5035	0.5838	1.5404	2.1242		2,421.4229	2,421.4229	0.6125		2,436.7347

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1844	6.1505	1.4300	0.0140	0.3100	0.0348	0.3448	0.0849	0.0333	0.1182		1,542.5299	1,542.5299	0.1689		1,546.7535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0726	0.0496	0.5345	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.6025	146.6025	4.2900e-003		146.7097
Total	0.2570	6.2001	1.9645	0.0154	0.4553	0.0358	0.4911	0.1234	0.0342	0.1576		1,689.1324	1,689.1324	0.1732		1,693.4633

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5038	0.0000	1.5038	0.2277	0.0000	0.2277			0.0000			0.0000
Off-Road	2.7625	26.7594	15.5573	0.0241		1.6477	1.6477		1.5404	1.5404	0.0000	2,421.4229	2,421.4229	0.6125		2,436.7347

Total	2.7625	26.7594	15.5573	0.0241	1.5038	1.6477	3.1514	0.2277	1.5404	1.7681	0.0000	2,421.4229	2,421.4229	0.6125		2,436.7347
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1844	6.1505	1.4300	0.0140	0.3100	0.0348	0.3448	0.0849	0.0333	0.1182		1,542.5299	1,542.5299	0.1689		1,546.7535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0726	0.0496	0.5345	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.6025	146.6025	4.2900e-003		146.7097
Total	0.2570	6.2001	1.9645	0.0154	0.4553	0.0358	0.4911	0.1234	0.0342	0.1576		1,689.1324	1,689.1324	0.1732		1,693.4633

3.3 Construction of FBO - 4 - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085
Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0674	1.7864	0.5397	3.4800e-003	0.0895	0.0158	0.1053	0.0258	0.0151	0.0409		376.6565	376.6565	0.0367		377.5733
Worker	0.2009	0.1374	1.4803	4.0800e-003	0.4024	2.6800e-003	0.4051	0.1067	2.4700e-003	0.1092		405.9761	405.9761	0.0119		406.2731
Total	0.2684	1.9238	2.0199	7.5600e-003	0.4919	0.0185	0.5103	0.1325	0.0176	0.1500		782.6326	782.6326	0.0486		783.8464

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.8641	2,043.8641	0.4298		2,054.6085
Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.8641	2,043.8641	0.4298		2,054.6085

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0674	1.7864	0.5397	3.4800e-003	0.0895	0.0158	0.1053	0.0258	0.0151	0.0409		376.6565	376.6565	0.0367		377.5733
Worker	0.2009	0.1374	1.4803	4.0800e-003	0.4024	2.6800e-003	0.4051	0.1067	2.4700e-003	0.1092		405.9761	405.9761	0.0119		406.2731
Total	0.2684	1.9238	2.0199	7.5600e-003	0.4919	0.0185	0.5103	0.1325	0.0176	0.1500		782.6326	782.6326	0.0486		783.8464

3.3 Construction of FBO - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0592	1.6728	0.4919	3.4600e-003	0.0895	0.0126	0.1020	0.0257	0.0120	0.0378		374.8006	374.8006	0.0351		375.6790
Worker	0.1816	0.1205	1.3130	3.9600e-003	0.4024	2.6600e-003	0.4051	0.1067	2.4500e-003	0.1092		394.1270	394.1270	0.0105		394.3890
Total	0.2408	1.7932	1.8048	7.4200e-003	0.4919	0.0152	0.5071	0.1325	0.0145	0.1470		768.9277	768.9277	0.0456		770.0680

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0592	1.6728	0.4919	3.4600e-003	0.0895	0.0126	0.1020	0.0257	0.0120	0.0378		374.8006	374.8006	0.0351		375.6790
Worker	0.1816	0.1205	1.3130	3.9600e-003	0.4024	2.6600e-003	0.4051	0.1067	2.4500e-003	0.1092		394.1270	394.1270	0.0105		394.3890
Total	0.2408	1.7932	1.8048	7.4200e-003	0.4919	0.0152	0.5071	0.1325	0.0145	0.1470		768.9277	768.9277	0.0456		770.0680

3.4 Construction of Apron - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	0.2096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2278	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5246	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 PA - Orange County, Summer

JWA Phase 5 PA
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.20	1000sqft	0.90	39,200.00	0
Other Non-Asphalt Surfaces	64.02	1000sqft	1.47	64,017.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	10.00	38.00
tblLandUse	LandUseSquareFeet	64,020.00	64,017.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8783	36.2690	31.3478	0.0699	4.1647	1.5571	5.7217	0.7478	1.4721	2.2199	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057
Maximum	3.8783	36.2690	31.3478	0.0699	4.1647	1.5571	5.7217	0.7478	1.4721	2.2199	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8783	36.2690	31.3478	0.0699	2.2280	1.5571	3.7850	0.4546	1.4721	1.9267	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057

Maximum	3.8783	36.2690	31.3478	0.0699	2.2280	1.5571	3.7850	0.4546	1.4721	1.9267	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	46.50	0.00	33.85	39.21	0.00	13.21	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Mobile	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027		2,732.3863	2,732.3863	0.1033		2,734.9698
Total	1.3496	1.7365	6.7044	0.0282	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,996.4798	2,996.4798	0.1085	4.8400e-003	3,000.6340

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Mobile	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027		2,732.3863	2,732.3863	0.1033		2,734.9698
Total	1.3496	1.7365	6.7044	0.0282	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,996.4798	2,996.4798	0.1085	4.8400e-003	3,000.6340

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48

Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	469.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 5	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1750	0.0000	3.1750	0.4807	0.0000	0.4807			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191

Total	1.6889	16.6217	13.9605	0.0241	3.1750	0.8379	4.0129	0.4807	0.7829	1.2636		2,323.4168	2,323.4168	0.5921		2,338.2191
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1002	3.4236	1.0290	0.0109	0.2552	0.0101	0.2653	0.0699	9.6800e-003	0.0795		1,218.6962	1,218.6962	0.1264		1,221.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1445	3.4493	1.3975	0.0122	0.4005	0.0110	0.4115	0.1084	0.0105	0.1189		1,350.4124	1,350.4124	0.1291		1,353.6399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2382	0.0000	1.2382	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	1.2382	0.8379	2.0761	0.1875	0.7829	0.9704	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1002	3.4236	1.0290	0.0109	0.2552	0.0101	0.2653	0.0699	9.6800e-003	0.0795		1,218.6962	1,218.6962	0.1264		1,221.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1445	3.4493	1.3975	0.0122	0.4005	0.0110	0.4115	0.1084	0.0105	0.1189		1,350.4124	1,350.4124	0.1291		1,353.6399

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027	2,732.3863	2,732.3863	0.1033	2,734.9698
Mitigated	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027	2,732.3863	2,732.3863	0.1033	2,734.9698
Unmitigated	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027	2,732.3863	2,732.3863	0.1033	2,734.9698

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	273.22	51.74	26.66	913,819	913,819
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	273.22	51.74	26.66	913,819	913,819

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
NaturalGas Unmitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2244.6	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.2446	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Unmitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005			0.0241
Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005			0.0241

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 PA - Orange County, Winter

JWA Phase 5 PA
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.20	1000sqft	0.90	39,200.00	0
Other Non-Asphalt Surfaces	64.02	1000sqft	1.47	64,017.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	10.00	38.00
tblLandUse	LandUseSquareFeet	64,020.00	64,017.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.9087	36.3124	31.3112	0.0693	4.1647	1.5574	5.7220	0.7478	1.4724	2.2202	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903
Maximum	3.9087	36.3124	31.3112	0.0693	4.1647	1.5574	5.7220	0.7478	1.4724	2.2202	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.9087	36.3124	31.3112	0.0693	2.2280	1.5574	3.7853	0.4546	1.4724	1.9270	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903

Maximum	3.9087	36.3124	31.3112	0.0693	2.2280	1.5574	3.7853	0.4546	1.4724	1.9270	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	46.50	0.00	33.85	39.21	0.00	13.21	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Mobile	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028		2,613.4289	2,613.4289	0.1025		2,615.9912
Total	1.3418	1.7885	6.3426	0.0270	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,877.5224	2,877.5224	0.1076	4.8400e-003	2,881.6554

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Mobile	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028		2,613.4289	2,613.4289	0.1025		2,615.9912
Total	1.3418	1.7885	6.3426	0.0270	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,877.5224	2,877.5224	0.1076	4.8400e-003	2,881.6554

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48

Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	469.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 5	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1750	0.0000	3.1750	0.4807	0.0000	0.4807			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191

Total	1.6889	16.6217	13.9605	0.0241	3.1750	0.8379	4.0129	0.4807	0.7829	1.2636		2,323.4168	2,323.4168	0.5921		2,338.2191
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1027	3.4607	1.0774	0.0107	0.2552	0.0103	0.2655	0.0699	9.8600e-003	0.0797		1,200.1116	1,200.1116	0.1291		1,203.3390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.1530	3.4890	1.4169	0.0120	0.4005	0.0112	0.4117	0.1084	0.0107	0.1191		1,324.7788	1,324.7788	0.1316		1,328.0691

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2382	0.0000	1.2382	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	1.2382	0.8379	2.0761	0.1875	0.7829	0.9704	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1027	3.4607	1.0774	0.0107	0.2552	0.0103	0.2655	0.0699	9.8600e-003	0.0797		1,200.1116	1,200.1116	0.1291		1,203.3390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.1530	3.4890	1.4169	0.0120	0.4005	0.0112	0.4117	0.1084	0.0107	0.1191		1,324.7788	1,324.7788	0.1316		1,328.0691

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028	2,613.4289	2,613.4289	0.1025	2,615.9912
Mitigated	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028	2,613.4289	2,613.4289	0.1025	2,615.9912
Unmitigated	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028	2,613.4289	2,613.4289	0.1025	2,615.9912

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	273.22	51.74	26.66	913,819	913,819
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	273.22	51.74	26.66	913,819	913,819

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
NaturalGas Unmitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2244.6	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.2446	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Unmitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 PA - Orange County, Summer

JWA Phase 6 PA
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	14.95	1000sqft	0.34	14,945.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Landscape Equipment -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_Parking	897	0
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	14,950.00	14,945.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.0395	8.0220	8.2302	0.0181	1.7013	0.3429	2.0442	0.2848	0.3277	0.6125	0.0000	1,814.6561	1,814.6561	0.3054	0.0000	1,821.4715
Maximum	1.0395	8.0220	8.2302	0.0181	1.7013	0.3429	2.0442	0.2848	0.3277	0.6125	0.0000	1,814.6561	1,814.6561	0.3054	0.0000	1,821.4715

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.0395	8.0220	8.2302	0.0181	1.7013	0.3429	2.0442	0.2848	0.3277	0.6125	0.0000	1,814.6561	1,814.6561	0.3054	0.0000	1,821.4715
Maximum	1.0395	8.0220	8.2302	0.0181	1.7013	0.3429	2.0442	0.2848	0.3277	0.6125	0.0000	1,814.6561	1,814.6561	0.3054	0.0000	1,821.4715

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Road Relocation - 6	Paving	7/28/2022	8/3/2022	5	5	
3	Demo Markings - 6	Architectural Coating	8/4/2022	8/10/2022	5	5	
4	New Markings - 6	Architectural Coating	8/11/2022	8/17/2022	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.34

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 897

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Road Relocation - 6	Cement and Mortar Mixers	4	6.00	9	0.56
Road Relocation - 6	Pavers	1	7.00	130	0.42
Road Relocation - 6	Rollers	1	7.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	4	10.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4711	0.0000	1.4711	0.2227	0.0000	0.2227			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.4711	0.3375	1.8086	0.2227	0.3225	0.5453		1,147.9025	1,147.9025	0.2119		1,153.2001

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	1.5884	0.4774	5.0500e-003	0.1184	4.6900e-003	0.1231	0.0324	4.4900e-003	0.0369		565.4335	565.4335	0.0587		566.9001
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0341	0.0198	0.2835	1.0200e-003	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		101.3201	101.3201	2.0500e-003		101.3713
Total	0.0806	1.6082	0.7609	6.0700e-003	0.2302	5.4000e-003	0.2356	0.0621	5.1400e-003	0.0672		666.7536	666.7536	0.0607		668.2714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.4711	0.0000	1.4711	0.2227	0.0000	0.2227			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.4711	0.3375	1.8086	0.2227	0.3225	0.5453	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	1.5884	0.4774	5.0500e-003	0.1184	4.6900e-003	0.1231	0.0324	4.4900e-003	0.0369		565.4335	565.4335	0.0587		566.9001
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0341	0.0198	0.2835	1.0200e-003	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		101.3201	101.3201	2.0500e-003		101.3713
Total	0.0806	1.6082	0.7609	6.0700e-003	0.2302	5.4000e-003	0.2356	0.0621	5.1400e-003	0.0672		666.7536	666.7536	0.0607		668.2714

3.3 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8251	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003			182.4683
Total	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003			182.4683

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017			1,043.3677
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.8251	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017			1,043.3677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683
Total	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683

3.4 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371

Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371
Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315						0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817	0.0817	0.0817			281.4481	281.4481	0.0183	281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817			281.4481	281.4481	0.0183	281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003			10.1320	10.1320	2.0000e-004	10.1371
Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003			10.1320	10.1320	2.0000e-004	10.1371

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371
Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day											lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Unmitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day						
Architectural Coating	0.0000					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 PA - Orange County, Winter

JWA Phase 6 PA
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	14.95	1000sqft	0.34	14,945.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Landscape Equipment -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_Parking	897	0
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	9.0400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.7750e-003	0.00
tblFleetMix	SBUS	5.9800e-004	0.00
tblFleetMix	UBUS	1.5240e-003	0.00
tblLandUse	LandUseSquareFeet	14,950.00	14,945.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.0399	8.0412	8.2304	0.0179	1.7013	0.3430	2.0443	0.2848	0.3278	0.6126	0.0000	1,800.6112	1,800.6112	0.3052	0.0000	1,807.4546
Maximum	1.0399	8.0412	8.2304	0.0179	1.7013	0.3430	2.0443	0.2848	0.3278	0.6126	0.0000	1,800.6112	1,800.6112	0.3052	0.0000	1,807.4546

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.0399	8.0412	8.2304	0.0179	1.7013	0.3430	2.0443	0.2848	0.3278	0.6126	0.0000	1,800.6112	1,800.6112	0.3052	0.0000	1,807.4546
Maximum	1.0399	8.0412	8.2304	0.0179	1.7013	0.3430	2.0443	0.2848	0.3278	0.6126	0.0000	1,800.6112	1,800.6112	0.3052	0.0000	1,807.4546

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Road Relocation - 6	Paving	7/28/2022	8/3/2022	5	5	
3	Demo Markings - 6	Architectural Coating	8/4/2022	8/10/2022	5	5	
4	New Markings - 6	Architectural Coating	8/11/2022	8/17/2022	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.34

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 897

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Road Relocation - 6	Cement and Mortar Mixers	4	6.00	9	0.56
Road Relocation - 6	Pavers	1	7.00	130	0.42
Road Relocation - 6	Rollers	1	7.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	4	10.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4711	0.0000	1.4711	0.2227	0.0000	0.2227			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.4711	0.3375	1.8086	0.2227	0.3225	0.5453		1,147.9025	1,147.9025	0.2119		1,153.2001

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0476	1.6057	0.4999	4.9700e-003	0.1184	4.7800e-003	0.1232	0.0324	4.5700e-003	0.0370		556.8108	556.8108	0.0599		558.3082
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0217	0.2612	9.6000e-004	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		95.8979	95.8979	1.9400e-003		95.9463
Total	0.0864	1.6274	0.7610	5.9300e-003	0.2302	5.4900e-003	0.2357	0.0621	5.2200e-003	0.0673		652.7087	652.7087	0.0618		654.2545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.4711	0.0000	1.4711	0.2227	0.0000	0.2227			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.4711	0.3375	1.8086	0.2227	0.3225	0.5453	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0476	1.6057	0.4999	4.9700e-003	0.1184	4.7800e-003	0.1232	0.0324	4.5700e-003	0.0370		556.8108	556.8108	0.0599		558.3082
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0217	0.2612	9.6000e-004	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		95.8979	95.8979	1.9400e-003		95.9463
Total	0.0864	1.6274	0.7610	5.9300e-003	0.2302	5.4900e-003	0.2357	0.0621	5.2200e-003	0.0673		652.7087	652.7087	0.0618		654.2545

3.3 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8251	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033
Total	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.1782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8251	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003	172.7033	
Total	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003	172.7033	

3.4 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946

Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946
Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315						0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817	0.0817	0.0817			281.4481	281.4481	0.0183	281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817			281.4481	281.4481	0.0183	281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003			9.5898	9.5898	1.9000e-004	9.5946
Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003			9.5898	9.5898	1.9000e-004	9.5946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946
Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day											lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Unmitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day						
Architectural Coating	0.0000					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7-8 PA - Orange County, Summer

**JWA Phase 7-8 PA
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	66.88	1000sqft	1.54	66,882.00	0
Other Asphalt Surfaces	110.48	1000sqft	2.54	110,478.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblConstructionPhase	NumDays	18.00	113.00
tblLandUse	LandUseSquareFeet	66,880.00	66,882.00
tblLandUse	LandUseSquareFeet	110,480.00	110,478.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.8126	47.1884	41.1256	0.0917	4.2879	2.0721	6.3600	0.8160	1.9357	2.7517	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504
2024	1.0017	8.3058	12.7131	0.0208	0.2236	0.4000	0.6236	0.0593	0.3697	0.4290	0.0000	1,992.7491	1,992.7491	0.5707	0.0000	2,007.0168
Maximum	4.8126	47.1884	41.1256	0.0917	4.2879	2.0721	6.3600	0.8160	1.9357	2.7517	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.8126	47.1884	41.1256	0.0917	2.5332	2.0721	4.6053	0.5503	1.9357	2.4860	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504
2024	1.0017	8.3058	12.7131	0.0208	0.2236	0.4000	0.6236	0.0593	0.3697	0.4290	0.0000	1,992.7491	1,992.7491	0.5707	0.0000	2,007.0168

Maximum	4.8126	47.1884	41.1256	0.0917	2.5332	2.0721	4.6053	0.5503	1.9357	2.4860	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.89	0.00	25.13	30.35	0.00	8.35	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978		4,360.7746	4,360.7746	0.1614		4,364.8089
Total	2.2328	2.7692	10.1798	0.0451	4.3789	0.0576	4.4365	1.1709	0.0555	1.2264		4,811.3642	4,811.3642	0.1701	8.2600e-003	4,818.0784

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978		4,360.7746	4,360.7746	0.1614		4,364.8089

Total	2.2328	2.7692	10.1798	0.0451	4.3789	0.0576	4.4365	1.1709	0.0555	1.2264		4,811.364 2	4,811.3642	0.1701	8.2600e- 003	4,818.078 4
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	
3	Construction Modify Entrance Next to Phase 8&9 - 8	Paving	6/7/2024	11/12/2024	5	113	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.54

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	3	8.00	158	0.38
Demolition - 7	Rubber Tired Dozers	2	8.00	247	0.40
Construction of T Hangers - 7	Cranes	1	7.00	231	0.29
Construction of T Hangers - 7	Forklifts	3	8.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of T Hangers - 7	Welders	1	8.00	46	0.45

Construction Modify Entrance Next to Phase 88.0 - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Construction Modify Entrance Next to Phase 88.0 - 8	Excavators	0		158	0.38
Construction Modify Entrance Next to Phase 88.0 - 8	Graders	0		187	0.41
Construction Modify Entrance Next to Phase 88.0 - 8	Pavers	1	8.00	130	0.42
Construction Modify Entrance Next to Phase 88.0 - 8	Paving Equipment	2	6.00	132	0.36
Construction Modify Entrance Next to Phase 88.0 - 8	Rollers	2	6.00	80	0.38
Construction Modify Entrance Next to Phase 88.0 - 8	Rubber Tired Dozers	0		247	0.40
Construction Modify Entrance Next to Phase 88.0 - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	6	15.00	0.00	837.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	9	74.00	29.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Modify Entrance Next to	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8766	0.0000	2.8766	0.4355	0.0000	0.4355			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	2.8766	1.2427	4.1192	0.4355	1.1553	1.5908		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0908	3.1034	0.9327	9.8700e-003	0.2313	9.1700e-003	0.2405	0.0633	8.7700e-003	0.0721		1,104.7335	1,104.7335	0.1146		1,107.5989
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.1420	3.1331	1.3580	0.0114	0.3990	0.0102	0.4092	0.1078	9.7500e-003	0.1175		1,256.7136	1,256.7136	0.1177		1,259.6558

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1219	0.0000	1.1219	0.1699	0.0000	0.1699			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.1219	1.2427	2.3645	0.1699	1.1553	1.3251	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0908	3.1034	0.9327	9.8700e-003	0.2313	9.1700e-003	0.2405	0.0633	8.7700e-003	0.0721		1,104.7335	1,104.7335	0.1146		1,107.5989
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.1420	3.1331	1.3580	0.0114	0.3990	0.0102	0.4092	0.1078	9.7500e-003	0.1175		1,256.7136	1,256.7136	0.1177		1,259.6558

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0728	2.5739	0.7125	7.0700e-003	0.1853	4.9200e-003	0.1902	0.0533	4.7000e-003	0.0580		771.8426	771.8426	0.0592		773.3228
Worker	0.2524	0.1464	2.0977	7.5200e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242		749.7689	749.7689	0.0151		750.1475
Total	0.3252	2.7203	2.8102	0.0146	1.0124	0.0102	1.0226	0.2727	9.5300e-003	0.2822		1,521.6115	1,521.6115	0.0744		1,523.4703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0728	2.5739	0.7125	7.0700e-003	0.1853	4.9200e-003	0.1902	0.0533	4.7000e-003	0.0580		771.8426	771.8426	0.0592		773.3228
Worker	0.2524	0.1464	2.0977	7.5200e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242		749.7689	749.7689	0.0151		750.1475
Total	0.3252	2.7203	2.8102	0.0146	1.0124	0.0102	1.0226	0.2727	9.5300e-003	0.2822		1,521.6115	1,521.6115	0.0744		1,523.4703

3.4 Construction Modify Entrance Next to Phase 8&9 - 8 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9403	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003			187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003			187.2129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9403	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978	4,360.7746	4,360.7746	0.1614	4,364.8089
Mitigated	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978	4,360.7746	4,360.7746	0.1614	4,364.8089
Unmitigated	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978	4,360.7746	4,360.7746	0.1614	4,364.8089

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	466.15	88.28	45.48	1,559,088	1,559,088
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	466.15	88.28	45.48	1,559,088	1,559,088

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
NaturalGas Unmitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3829.68	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.82968	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Unmitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7-8 PA - Orange County, Winter

**JWA Phase 7-8 PA
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	66.88	1000sqft	1.54	66,882.00	0
Other Asphalt Surfaces	110.48	1000sqft	2.54	110,478.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblConstructionPhase	NumDays	18.00	113.00
tblLandUse	LandUseSquareFeet	66,880.00	66,882.00
tblLandUse	LandUseSquareFeet	110,480.00	110,478.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.8595	47.2317	41.0391	0.0909	4.2879	2.0724	6.3604	0.8160	1.9361	2.7521	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168
2024	1.0104	8.3090	12.6733	0.0207	0.2236	0.4000	0.6236	0.0593	0.3697	0.4290	0.0000	1,982.7457	1,982.7457	0.5705	0.0000	1,997.0086
Maximum	4.8595	47.2317	41.0391	0.0909	4.2879	2.0724	6.3604	0.8160	1.9361	2.7521	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.8595	47.2317	41.0391	0.0909	2.5332	2.0724	4.6057	0.5503	1.9361	2.4864	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168
2024	1.0104	8.3090	12.6733	0.0207	0.2236	0.4000	0.6236	0.0593	0.3697	0.4290	0.0000	1,982.7457	1,982.7457	0.5705	0.0000	1,997.0086

Maximum	4.8595	47.2317	41.0391	0.0909	2.5332	2.0724	4.6057	0.5503	1.9361	2.4864	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.89	0.00	25.12	30.35	0.00	8.35	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979		4,173.7506	4,173.7506	0.1604		4,177.7599
Total	2.2206	2.8435	9.6384	0.0432	4.3789	0.0577	4.4366	1.1709	0.0556	1.2265		4,624.3402	4,624.3402	0.1691	8.2600e-003	4,631.0294

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979		4,173.7506	4,173.7506	0.1604		4,177.7599

Total	2.2206	2.8435	9.6384	0.0432	4.3789	0.0577	4.4366	1.1709	0.0556	1.2265		4,624.340 2	4,624.3402	0.1691	8.2600e- 003	4,631.029 4
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	
3	Construction Modify Entrance Next to Phase 8&9 - 8	Paving	6/7/2024	11/12/2024	5	113	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.54

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	3	8.00	158	0.38
Demolition - 7	Rubber Tired Dozers	2	8.00	247	0.40
Construction of T Hangers - 7	Cranes	1	7.00	231	0.29
Construction of T Hangers - 7	Forklifts	3	8.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of T Hangers - 7	Welders	1	8.00	46	0.45

Construction Modify Entrance Next to Phase 88.0 - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Construction Modify Entrance Next to Phase 88.0 - 8	Excavators	0		158	0.38
Construction Modify Entrance Next to Phase 88.0 - 8	Graders	0		187	0.41
Construction Modify Entrance Next to Phase 88.0 - 8	Pavers	1	8.00	130	0.42
Construction Modify Entrance Next to Phase 88.0 - 8	Paving Equipment	2	6.00	132	0.36
Construction Modify Entrance Next to Phase 88.0 - 8	Rollers	2	6.00	80	0.38
Construction Modify Entrance Next to Phase 88.0 - 8	Rubber Tired Dozers	0		247	0.40
Construction Modify Entrance Next to Phase 88.0 - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	6	15.00	0.00	837.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	9	74.00	29.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Modify Entrance Next to	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8766	0.0000	2.8766	0.4355	0.0000	0.4355			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	2.8766	1.2427	4.1192	0.4355	1.1553	1.5908		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0931	3.1371	0.9766	9.7200e-003	0.2313	9.3400e-003	0.2406	0.0633	8.9400e-003	0.0723		1,087.8867	1,087.8867	0.1170		1,090.8123
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.1511	3.1697	1.3684	0.0112	0.3990	0.0104	0.4094	0.1078	9.9200e-003	0.1177		1,231.7335	1,231.7335	0.1199		1,234.7317

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1219	0.0000	1.1219	0.1699	0.0000	0.1699			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	1.1219	1.2427	2.3645	0.1699	1.1553	1.3251	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0931	3.1371	0.9766	9.7200e-003	0.2313	9.3400e-003	0.2406	0.0633	8.9400e-003	0.0723		1,087.8867	1,087.8867	0.1170		1,090.8123
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.1511	3.1697	1.3684	0.0112	0.3990	0.0104	0.4094	0.1078	9.9200e-003	0.1177		1,231.7335	1,231.7335	0.1199		1,234.7317

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0764	2.5661	0.7805	6.9000e-003	0.1853	5.1100e-003	0.1904	0.0533	4.8800e-003	0.0582		752.8089	752.8089	0.0620		754.3586
Worker	0.2865	0.1609	1.9327	7.1100e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242		709.6443	709.6443	0.0143		710.0023
Total	0.3629	2.7269	2.7132	0.0140	1.0124	0.0104	1.0228	0.2727	9.7100e-003	0.2824		1,462.4532	1,462.4532	0.0763		1,464.3609

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0764	2.5661	0.7805	6.9000e-003	0.1853	5.1100e-003	0.1904	0.0533	4.8800e-003	0.0582		752.8089	752.8089	0.0620		754.3586
Worker	0.2865	0.1609	1.9327	7.1100e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242		709.6443	709.6443	0.0143		710.0023
Total	0.3629	2.7269	2.7132	0.0140	1.0124	0.0104	1.0228	0.2727	9.7100e-003	0.2824		1,462.4532	1,462.4532	0.0763		1,464.3609

3.4 Construction Modify Entrance Next to Phase 8&9 - 8 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9403	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003			177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003			177.2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9403	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979	4,173.7506	4,173.7506	0.1604	4,177.7599
Mitigated	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979	4,173.7506	4,173.7506	0.1604	4,177.7599
Unmitigated	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979	4,173.7506	4,173.7506	0.1604	4,177.7599

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	466.15	88.28	45.48	1,559,088	1,559,088
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	466.15	88.28	45.48	1,559,088	1,559,088

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
NaturalGas Unmitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3829.68	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.82968	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Unmitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 9A-9B PA Mitigated - Orange County, Summer

**JWA Phase 9A-9B PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	24.36	1000sqft	0.56	24,363.00	0
Other Non-Asphalt Surfaces	16.96	1000sqft	0.39	16,965.00	0
Other Non-Asphalt Surfaces	24.36	1000sqft	0.56	24,361.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - * Defined in project schedule and ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstructionPhase	NumDays	200.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	4.00	36.00
tblConstructionPhase	NumDays	10.00	78.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	28.00

tblGrading	AcresOfGrading	1.50	1.18
tblLandUse	LandUseSquareFeet	24,360.00	24,363.00
tblLandUse	LandUseSquareFeet	16,960.00	16,965.00
tblLandUse	LandUseSquareFeet	24,360.00	24,361.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	4.0213	39.9287	33.8367	0.0707	2.5597	1.7778	4.3375	0.6442	1.6562	2.3003	0.0000	6,907.1431	6,907.1431	1.6848	0.0000	6,949.2640
Maximum	4.0213	39.9287	33.8367	0.0707	2.5597	1.7778	4.3375	0.6442	1.6562	2.3003	0.0000	6,907.1431	6,907.1431	1.6848	0.0000	6,949.2640

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	4.0213	39.9287	33.8367	0.0707	1.3049	1.7778	3.0827	0.3332	1.6562	1.9894	0.0000	6,907.1431	6,907.1431	1.6848	0.0000	6,949.2640
Maximum	4.0213	39.9287	33.8367	0.0707	1.3049	1.7778	3.0827	0.3332	1.6562	1.9894	0.0000	6,907.1431	6,907.1431	1.6848	0.0000	6,949.2640

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.02	0.00	28.93	48.28	0.00	13.52	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.3953	0.5185	1.9052	7.8700e-003	0.7538	7.1300e-003	0.7609	0.2016	6.7500e-003	0.2083		814.8067	814.8067	0.0307	5.4000e-004	815.7340

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.3953	0.5185	1.9052	7.8700e-003	0.7538	7.1300e-003	0.7609	0.2016	6.7500e-003	0.2083		814.8067	814.8067	0.0307	5.4000e-004	815.7340

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 9A	Demolition	1/9/2023	2/21/2023	5	32	
2	Demolition - 9B	Demolition	2/21/2023	4/11/2023	5	36	
3	Construction Trench Drains and Site Utilities - 9A	Grading	2/21/2023	4/11/2023	5	36	
4	Construction of Flight School Office - 9B	Building Construction	4/19/2023	6/1/2023	5	32	
5	Concrete - 9A	Paving	6/1/2023	9/18/2023	5	78	
6	Construction of Park Spaces / Lighting - 9B	Paving	9/18/2023	11/14/2023	5	42	
7	Misc Concrete - 9B	Paving	11/14/2023	12/21/2023	5	28	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.51

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 9A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction Trench Drains and Site Utilities - 9A	Graders	1	6.00	187	0.41
Construction Trench Drains and Site Utilities - 9A	Rubber Tired Dozers	1	6.00	247	0.40
Construction Trench Drains and Site Utilities - 9A	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Concrete - 9A	Cement and Mortar Mixers	1	6.00	9	0.56

Concrete - 9A	Graders	0		187	0.41
Concrete - 9A	Pavers	1	6.00	130	0.42
Concrete - 9A	Paving Equipment	1	8.00	132	0.36
Concrete - 9A	Rollers	1	7.00	80	0.38
Concrete - 9A	Rubber Tired Dozers	0		247	0.40
Concrete - 9A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9B	Cranes	0		231	0.29
Demolition - 9B	Forklifts	0		89	0.20
Demolition - 9B	Generator Sets	0		84	0.74
Demolition - 9B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 9B	Welders	0		46	0.45
Construction of Flight School Office - 9B	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9B	Cranes	1	6.00	231	0.29
Construction of Flight School Office - 9B	Forklifts	1	6.00	89	0.20
Construction of Flight School Office - 9B	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9B	Pavers	0		130	0.42
Construction of Flight School Office - 9B	Paving Equipment	0		132	0.36
Construction of Flight School Office - 9B	Rollers	0		80	0.38
Construction of Flight School Office - 9B	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of Flight School Office - 9B	Welders	3	8.00	46	0.45
Construction of Park Spaces / Lighting 9B	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting 9B	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting 9B	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting 9B	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting 9B	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting 9B	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc Concrete - 9B	Cement and Mortar Mixers	1	6.00	9	0.56
Misc Concrete - 9B	Pavers	1	6.00	130	0.42

Misc Concrete - 9B	Paving Equipment	1	8.00	132	0.36
Misc Concrete - 9B	Rollers	1	7.00	80	0.38
Misc Concrete - 9B	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 9A	5	13.00	0.00	156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 9A	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9B	5	13.00	0.00	78.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Flight School Office - 9B	7	31.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0526	0.0000	1.0526	0.1594	0.0000	0.1594			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.0526	0.6766	1.7293	0.1594	0.6328	0.7921		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0229	0.7283	0.3260	3.4600e-003	0.0849	1.4200e-003	0.0863	0.0232	1.3600e-003	0.0246		389.3090	389.3090	0.0406		390.3228
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0649	0.7516	0.6696	4.7300e-003	0.2302	2.3300e-003	0.2325	0.0618	2.1900e-003	0.0640		515.9615	515.9615	0.0430		517.0356

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4105	0.0000	0.4105	0.0622	0.0000	0.0622			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.4105	0.6766	1.0872	0.0622	0.6328	0.6949	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0229	0.7283	0.3260	3.4600e-003	0.0849	1.4200e-003	0.0863	0.0232	1.3600e-003	0.0246		389.3090	389.3090	0.0406		390.3228
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0649	0.7516	0.6696	4.7300e-003	0.2302	2.3300e-003	0.2325	0.0618	2.1900e-003	0.0640		515.9615	515.9615	0.0430		517.0356

3.3 Demolition - 9B - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					0.4678	0.0000	0.4678	0.0708	0.0000	0.0708			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.4678	0.6766	1.1445	0.0708	0.6328	0.7036		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0102	0.3237	0.1449	1.5400e-003	0.0377	6.3000e-004	0.0384	0.0103	6.1000e-004	0.0109		173.0262	173.0262	0.0180		173.4768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Total	0.0522	0.3470	0.4886	2.8100e-003	0.1830	1.5400e-003	0.1846	0.0489	1.4400e-003	0.0503		299.6787	299.6787	0.0204		300.1896
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1825	0.0000	0.1825	0.0276	0.0000	0.0276			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.1825	0.6766	0.8591	0.0276	0.6328	0.6604	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0102	0.3237	0.1449	1.5400e-003	0.0377	6.3000e-004	0.0384	0.0103	6.1000e-004	0.0109		173.0262	173.0262	0.0180		173.4768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0522	0.3470	0.4886	2.8100e-003	0.1830	1.5400e-003	0.1846	0.0489	1.4400e-003	0.0503		299.6787	299.6787	0.0204		300.1896

3.4 Construction Trench Drains and Site Utilities - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5366	0.0000	0.5366	0.2796	0.0000	0.2796			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.9335	10.1789	5.5516	0.0141	0.5366	0.4201	0.9567	0.2796	0.3865	0.6661		1,364.7713	1,364.7713	0.4414		1,375.8062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771
Total	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.2093	0.0000	0.2093	0.1091	0.0000	0.1091			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.9335	10.1789	5.5516	0.0141	0.2093	0.4201	0.6294	0.1091	0.3865	0.4955	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771
Total	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771

3.5 Construction of Flight School Office - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0229	0.8039	0.2752	2.8300e-003	0.0767	9.7000e-004	0.0776	0.0221	9.2000e-004	0.0230		309.6799	309.6799	0.0228			310.2493
Worker	0.1001	0.0557	0.8195	3.0300e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		302.0173	302.0173	5.7500e-003			302.1612
Total	0.1231	0.8596	1.0947	5.8600e-003	0.4232	3.1300e-003	0.4263	0.1140	2.9100e-003	0.1169		611.6972	611.6972	0.0285			612.4105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399			2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399			2,010.2858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0229	0.8039	0.2752	2.8300e-003	0.0767	9.7000e-004	0.0776	0.0221	9.2000e-004	0.0230		309.6799	309.6799	0.0228		310.2493
Worker	0.1001	0.0557	0.8195	3.0300e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		302.0173	302.0173	5.7500e-003		302.1612
Total	0.1231	0.8596	1.0947	5.8600e-003	0.4232	3.1300e-003	0.4263	0.1140	2.9100e-003	0.1169		611.6972	611.6972	0.0285		612.4105

3.6 Concrete - 9A - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6634	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6634	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

3.7 Construction of Park Spaces / Lighting - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6795	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6795	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

3.8 Misc Concrete - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6970	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6970	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003	126.7128	
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003	126.7128	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	lb/day										lb/day					
	Mitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301	786.0812
Unmitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301	786.0812	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Unmitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 9A-9B PA Mitigated - Orange County, Winter

**JWA Phase 9A-9B PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	24.36	1000sqft	0.56	24,363.00	0
Other Non-Asphalt Surfaces	16.96	1000sqft	0.39	16,965.00	0
Other Non-Asphalt Surfaces	24.36	1000sqft	0.56	24,361.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - * Defined in project schedule and ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstructionPhase	NumDays	200.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	4.00	36.00
tblConstructionPhase	NumDays	10.00	78.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	28.00

tblGrading	AcresOfGrading	1.50	1.18
tblLandUse	LandUseSquareFeet	24,360.00	24,363.00
tblLandUse	LandUseSquareFeet	16,960.00	16,965.00
tblLandUse	LandUseSquareFeet	24,360.00	24,361.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	4.0373	39.9401	33.7807	0.0704	2.5597	1.7779	4.3376	0.6442	1.6562	2.3004	0.0000	6,880.9285	6,880.9285	1.6855	0.0000	6,923.0664
Maximum	4.0373	39.9401	33.7807	0.0704	2.5597	1.7779	4.3376	0.6442	1.6562	2.3004	0.0000	6,880.9285	6,880.9285	1.6855	0.0000	6,923.0664

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	4.0373	39.9401	33.7807	0.0704	1.3049	1.7779	3.0828	0.3332	1.6562	1.9894	0.0000	6,880.9285	6,880.9285	1.6855	0.0000	6,923.0664
Maximum	4.0373	39.9401	33.7807	0.0704	1.3049	1.7779	3.0828	0.3332	1.6562	1.9894	0.0000	6,880.9285	6,880.9285	1.6855	0.0000	6,923.0664

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.02	0.00	28.93	48.28	0.00	13.52	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.3926	0.5317	1.8194	7.5300e-003	0.7538	7.1500e-003	0.7609	0.2016	6.7700e-003	0.2083		780.5699	780.5699	0.0306	5.4000e-004	781.4951

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.3926	0.5317	1.8194	7.5300e-003	0.7538	7.1500e-003	0.7609	0.2016	6.7700e-003	0.2083		780.5699	780.5699	0.0306	5.4000e-004	781.4951

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 9A	Demolition	1/9/2023	2/21/2023	5	32	
2	Demolition - 9B	Demolition	2/21/2023	4/11/2023	5	36	
3	Construction Trench Drains and Site Utilities - 9A	Grading	2/21/2023	4/11/2023	5	36	
4	Construction of Flight School Office - 9B	Building Construction	4/19/2023	6/1/2023	5	32	
5	Concrete - 9A	Paving	6/1/2023	9/18/2023	5	78	
6	Construction of Park Spaces / Lighting - 9B	Paving	9/18/2023	11/14/2023	5	42	
7	Misc Concrete - 9B	Paving	11/14/2023	12/21/2023	5	28	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.51

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 9A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction Trench Drains and Site Utilities - 9A	Graders	1	6.00	187	0.41
Construction Trench Drains and Site Utilities - 9A	Rubber Tired Dozers	1	6.00	247	0.40
Construction Trench Drains and Site Utilities - 9A	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Concrete - 9A	Cement and Mortar Mixers	1	6.00	9	0.56

Concrete - 9A	Graders	0		187	0.41
Concrete - 9A	Pavers	1	6.00	130	0.42
Concrete - 9A	Paving Equipment	1	8.00	132	0.36
Concrete - 9A	Rollers	1	7.00	80	0.38
Concrete - 9A	Rubber Tired Dozers	0		247	0.40
Concrete - 9A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9B	Cranes	0		231	0.29
Demolition - 9B	Forklifts	0		89	0.20
Demolition - 9B	Generator Sets	0		84	0.74
Demolition - 9B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 9B	Welders	0		46	0.45
Construction of Flight School Office - 9B	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9B	Cranes	1	6.00	231	0.29
Construction of Flight School Office - 9B	Forklifts	1	6.00	89	0.20
Construction of Flight School Office - 9B	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9B	Pavers	0		130	0.42
Construction of Flight School Office - 9B	Paving Equipment	0		132	0.36
Construction of Flight School Office - 9B	Rollers	0		80	0.38
Construction of Flight School Office - 9B	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of Flight School Office - 9B	Welders	3	8.00	46	0.45
Construction of Park Spaces / Lighting 9B	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting 9B	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting 9B	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting 9B	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting 9B	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting 9B	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc Concrete - 9B	Cement and Mortar Mixers	1	6.00	9	0.56
Misc Concrete - 9B	Pavers	1	6.00	130	0.42

Misc Concrete - 9B	Paving Equipment	1	8.00	132	0.36
Misc Concrete - 9B	Rollers	1	7.00	80	0.38
Misc Concrete - 9B	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 9A	5	13.00	0.00	156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 9A	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9B	5	13.00	0.00	78.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Flight School Office - 9B	7	31.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0526	0.0000	1.0526	0.1594	0.0000	0.1594			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.0526	0.6766	1.7293	0.1594	0.6328	0.7921		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0234	0.7320	0.3371	3.4100e-003	0.0849	1.4700e-003	0.0863	0.0232	1.4100e-003	0.0246		383.4218	383.4218	0.0413		384.4535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0712	0.7576	0.6532	4.6100e-003	0.2302	2.3800e-003	0.2326	0.0618	2.2400e-003	0.0640		503.3024	503.3024	0.0436		504.3911

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4105	0.0000	0.4105	0.0622	0.0000	0.0622			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.4105	0.6766	1.0872	0.0622	0.6328	0.6949	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0234	0.7320	0.3371	3.4100e-003	0.0849	1.4700e-003	0.0863	0.0232	1.4100e-003	0.0246		383.4218	383.4218	0.0413		384.4535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0712	0.7576	0.6532	4.6100e-003	0.2302	2.3800e-003	0.2326	0.0618	2.2400e-003	0.0640		503.3024	503.3024	0.0436		504.3911

3.3 Demolition - 9B - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					0.4678	0.0000	0.4678	0.0708	0.0000	0.0708			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.4678	0.6766	1.1445	0.0708	0.6328	0.7036		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0104	0.3253	0.1498	1.5200e-003	0.0377	6.5000e-004	0.0384	0.0103	6.3000e-004	0.0110		170.4097	170.4097	0.0183		170.8682
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Total	0.0582	0.3510	0.4660	2.7200e-003	0.1830	1.5600e-003	0.1846	0.0489	1.4600e-003	0.0503		290.2903	290.2903	0.0206		290.8058
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1825	0.0000	0.1825	0.0276	0.0000	0.0276			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.1825	0.6766	0.8591	0.0276	0.6328	0.6604	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0104	0.3253	0.1498	1.5200e-003	0.0377	6.5000e-004	0.0384	0.0103	6.3000e-004	0.0110		170.4097	170.4097	0.0183		170.8682
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0582	0.3510	0.4660	2.7200e-003	0.1830	1.5600e-003	0.1846	0.0489	1.4600e-003	0.0503		290.2903	290.2903	0.0206		290.8058

3.4 Construction Trench Drains and Site Utilities - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5366	0.0000	0.5366	0.2796	0.0000	0.2796			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.9335	10.1789	5.5516	0.0141	0.5366	0.4201	0.9567	0.2796	0.3865	0.6661		1,364.7713	1,364.7713	0.4414		1,375.8062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077
Total	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.2093	0.0000	0.2093	0.1091	0.0000	0.1091			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.9335	10.1789	5.5516	0.0141	0.2093	0.4201	0.6294	0.1091	0.3865	0.4955	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077
Total	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077

3.5 Construction of Flight School Office - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0241	0.7993	0.2968	2.7600e-003	0.0767	1.0300e-003	0.0777	0.0221	9.8000e-004	0.0230		302.1711	302.1711	0.0237		302.7640
Worker	0.1140	0.0612	0.7539	2.8700e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		285.8691	285.8691	5.4400e-003		286.0050
Total	0.1381	0.8604	1.0507	5.6300e-003	0.4232	3.1900e-003	0.4264	0.1140	2.9700e-003	0.1169		588.0402	588.0402	0.0292		588.7690

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0241	0.7993	0.2968	2.7600e-003	0.0767	1.0300e-003	0.0777	0.0221	9.8000e-004	0.0230		302.1711	302.1711	0.0237		302.7640
Worker	0.1140	0.0612	0.7539	2.8700e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		285.8691	285.8691	5.4400e-003		286.0050
Total	0.1381	0.8604	1.0507	5.6300e-003	0.4232	3.1900e-003	0.4264	0.1140	2.9700e-003	0.1169		588.0402	588.0402	0.0292		588.7690

3.6 Concrete - 9A - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6634	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6634	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

3.7 Construction of Park Spaces / Lighting - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6795	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6795	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

3.8 Misc Concrete - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6970	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6970	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003	119.9376	
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003	119.9376	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	lb/day										lb/day					
	Mitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300	751.8423
Unmitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300	751.8423	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003			29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Unmitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 PA - Orange County, Summer

**JWA Phase 10 PA
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	48.32	1000sqft	1.11	48,319.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

Grading - * Defined in project schedule in RON estimate

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblConstructionPhase	PhaseEndDate	11/28/2024	5/20/2024
tblConstructionPhase	PhaseEndDate	1/17/2024	2/5/2024
tblConstructionPhase	PhaseEndDate	1/25/2024	4/22/2024
tblConstructionPhase	PhaseEndDate	12/12/2024	3/11/2024
tblConstructionPhase	PhaseStartDate	1/26/2024	2/5/2024
tblConstructionPhase	PhaseStartDate	1/18/2024	2/5/2024
tblConstructionPhase	PhaseStartDate	11/29/2024	2/5/2024
tblGrading	AcresOfGrading	3.00	4.74
tblLandUse	LandUseSquareFeet	48,320.00	48,319.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5981	17.0081	14.9948	0.0381	5.1934	0.6828	5.8761	0.9233	0.6386	1.5619	0.0000	3,876.3972	3,876.3972	0.7402	0.0000	3,894.9012
2024	5.5811	52.7688	51.9128	0.1136	6.1214	2.1501	8.2715	1.3580	2.0086	3.3665	0.0000	11,122.7025	11,122.7025	2.4052	0.0000	11,182.8330
Maximum	5.5811	52.7688	51.9128	0.1136	6.1214	2.1501	8.2715	1.3580	2.0086	3.3665	0.0000	11,122.7025	11,122.7025	2.4052	0.0000	11,182.8330

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5981	17.0081	14.9948	0.0381	2.8382	0.6828	3.5210	0.5667	0.6386	1.2053	0.0000	3,876.3972	3,876.3972	0.7402	0.0000	3,894.9012
2024	5.5811	52.7688	51.9128	0.1136	3.3180	2.1501	5.4681	0.7791	2.0086	2.7877	0.0000	11,122.7024	11,122.7024	2.4052	0.0000	11,182.8330
Maximum	5.5811	52.7688	51.9128	0.1136	3.3180	2.1501	5.4681	0.7791	2.0086	2.7877	0.0000	11,122.7024	11,122.7024	2.4052	0.0000	11,182.8330

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	45.59	0.00	36.46	41.01	0.00	18.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222
Total	1.6121	2.0007	7.3545	0.0326	3.1637	0.0417	3.2054	0.8460	0.0401	0.8861		3,476.1361	3,476.1361	0.1229	5.9700e-003	3,480.9869

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222
Total	1.6121	2.0007	7.3545	0.0326	3.1637	0.0417	3.2054	0.8460	0.0401	0.8861		3,476.1361	3,476.1361	0.1229	5.9700e-003	3,480.9869

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator Drum Storage Area	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator- Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator- Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator- Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20
Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 10		5	13.00	0.00	589.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator-Drum		4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of T-Hangers and Annon	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8609	0.6766	4.5375	0.5846	0.6328	1.2173		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0836	2.6663	1.1934	0.0127	1.1872	5.2100e-003	1.1924	0.3002	4.9900e-003	0.3052		1,425.3489	1,425.3489	0.1485		1,429.0607
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1256	2.6897	1.5371	0.0140	1.3325	6.1200e-003	1.3386	0.3387	5.8200e-003	0.3446		1,552.0014	1,552.0014	0.1509		1,555.7734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.5057	0.6766	2.1824	0.2280	0.6328	0.8608	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0836	2.6663	1.1934	0.0127	1.1872	5.2100e-003	1.1924	0.3002	4.9900e-003	0.3052		1,425.3489	1,425.3489	0.1485		1,429.0607
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1256	2.6897	1.5371	0.0140	1.3325	6.1200e-003	1.3386	0.3387	5.8200e-003	0.3446		1,552.0014	1,552.0014	0.1509		1,555.7734

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8609	0.6311	4.4920	0.5846	0.5895	1.1740		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0822	2.5998	1.2071	0.0125	0.3743	5.1100e-003	0.3794	0.1007	4.8900e-003	0.1055		1,413.2499	1,413.2499	0.1483		1,416.9582
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1221	2.6211	1.5270	0.0138	0.5196	6.0000e-003	0.5256	0.1392	5.7100e-003	0.1449		1,534.8835	1,534.8835	0.1505		1,538.6466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000

Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	1.5057	0.6311	2.1368	0.2280	0.5895	0.8174	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0822	2.5998	1.2071	0.0125	0.3743	5.1100e-003	0.3794	0.1007	4.8900e-003	0.1055		1,413.2499	1,413.2499	0.1483		1,416.9582
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1221	2.6211	1.5270	0.0138	0.5196	6.0000e-003	0.5256	0.1392	5.7100e-003	0.1449		1,534.8835	1,534.8835	0.1505		1,538.6466

3.3 Construction of Waste Oil Separator-Drum Storage Area -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7350	0.0000	0.7350	0.3644	0.0000	0.3644			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	0.7350	0.5722	1.3072	0.3644	0.5265	0.8908		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2867	0.0000	0.2867	0.1421	0.0000	0.1421			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	0.2867	0.5722	0.8589	0.1421	0.5265	0.6686	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003	93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003	93.6064

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1627	0.0867	1.3043	4.9700e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		495.8908	495.8908	8.9300e-003		496.1141
Total	0.2015	1.4759	1.7758	9.8800e-003	0.7266	5.2900e-003	0.7319	0.1957	4.9200e-003	0.2006		1,033.5256	1,033.5256	0.0482		1,034.7304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1627	0.0867	1.3043	4.9700e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		495.8908	495.8908	8.9300e-003		496.1141
Total	0.2015	1.4759	1.7758	9.8800e-003	0.7266	5.2900e-003	0.7319	0.1957	4.9200e-003	0.2006		1,033.5256	1,033.5256	0.0482		1,034.7304

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222
Unmitigated	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	336.79	63.78	32.86	1,126,422	1,126,422
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	336.79	63.78	32.86	1,126,422	1,126,422

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
NaturalGas Unmitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2766.76	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.76676	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Unmitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 PA - Orange County, Winter

JWA Phase 10 PA
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	48.32	1000sqft	1.11	48,319.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

Grading - * Defined in project schedule in RON estimate

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblConstructionPhase	PhaseEndDate	11/28/2024	5/20/2024
tblConstructionPhase	PhaseEndDate	1/17/2024	2/5/2024
tblConstructionPhase	PhaseEndDate	1/25/2024	4/22/2024
tblConstructionPhase	PhaseEndDate	12/12/2024	3/11/2024
tblConstructionPhase	PhaseStartDate	1/26/2024	2/5/2024
tblConstructionPhase	PhaseStartDate	1/18/2024	2/5/2024
tblConstructionPhase	PhaseStartDate	11/29/2024	2/5/2024
tblGrading	AcresOfGrading	3.00	4.74
tblLandUse	LandUseSquareFeet	48,320.00	48,319.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6060	17.0239	15.0079	0.0378	5.1934	0.6829	5.8763	0.9233	0.6388	1.5621	0.0000	3,848.071 1	3,848.0711	0.7426	0.0000	3,866.637 1
2024	5.6248	52.7887	51.8078	0.1129	6.1214	2.1504	8.2718	1.3580	2.0088	3.3668	0.0000	11,042.96 37	11,042.963 7	2.4084	0.0000	11,103.17 29
Maximum	5.6248	52.7887	51.8078	0.1129	6.1214	2.1504	8.2718	1.3580	2.0088	3.3668	0.0000	11,042.96 37	11,042.963 7	2.4084	0.0000	11,103.17 29

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6060	17.0239	15.0079	0.0378	2.8382	0.6829	3.5212	0.5667	0.6388	1.2055	0.0000	3,848.0711	3,848.0711	0.7426	0.0000	3,866.6371
2024	5.6248	52.7887	51.8078	0.1129	3.3180	2.1504	5.4683	0.7791	2.0088	2.7879	0.0000	11,042.9637	11,042.9637	2.4084	0.0000	11,103.1728
Maximum	5.6248	52.7887	51.8078	0.1129	3.3180	2.1504	5.4683	0.7791	2.0088	2.7879	0.0000	11,042.9637	11,042.9637	2.4084	0.0000	11,103.1728

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	45.59	0.00	36.46	41.01	0.00	18.98	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational
Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815
Total	1.6033	2.0544	6.9634	0.0312	3.1637	0.0417	3.2054	0.8460	0.0402	0.8861		3,341.0135	3,341.0135	0.1222	5.9700e-003	3,345.8462

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815
Total	1.6033	2.0544	6.9634	0.0312	3.1637	0.0417	3.2054	0.8460	0.0402	0.8861		3,341.0135	3,341.0135	0.1222	5.9700e-003	3,345.8462

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator Drum Storage Area	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator- Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator- Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator- Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20
Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 10		5	13.00	0.00	589.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator-Drum		4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of T-Hangers and Annon	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8609	0.6766	4.5375	0.5846	0.6328	1.2173		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0857	2.6798	1.2341	0.0125	1.1872	5.3900e-003	1.1926	0.3002	5.1600e-003	0.3054		1,403.7946	1,403.7946	0.1511		1,407.5717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.1335	2.7055	1.5503	0.0137	1.3325	6.3000e-003	1.3388	0.3387	5.9900e-003	0.3447		1,523.6752	1,523.6752	0.1534		1,527.5093

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.5057	0.6766	2.1824	0.2280	0.6328	0.8608	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0857	2.6798	1.2341	0.0125	1.1872	5.3900e-003	1.1926	0.3002	5.1600e-003	0.3054		1,403.7946	1,403.7946	0.1511		1,407.5717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.1335	2.7055	1.5503	0.0137	1.3325	6.3000e-003	1.3388	0.3387	5.9900e-003	0.3447		1,523.6752	1,523.6752	0.1534		1,527.5093

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8609	0.6311	4.4920	0.5846	0.5895	1.1740		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0842	2.6129	1.2468	0.0124	0.3743	5.2700e-003	0.3795	0.1007	5.0400e-003	0.1057		1,391.9975	1,391.9975	0.1508		1,395.7672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1298	2.6362	1.5408	0.0135	0.5196	6.1600e-003	0.5257	0.1392	5.8600e-003	0.1451		1,507.1289	1,507.1289	0.1529		1,510.9502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000

Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	1.5057	0.6311	2.1368	0.2280	0.5895	0.8174	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0842	2.6129	1.2468	0.0124	0.3743	5.2700e-003	0.3795	0.1007	5.0400e-003	0.1057		1,391.9975	1,391.9975	0.1508		1,395.7672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1298	2.6362	1.5408	0.0135	0.5196	6.1600e-003	0.5257	0.1392	5.8600e-003	0.1451		1,507.1289	1,507.1289	0.1529		1,510.9502

3.3 Construction of Waste Oil Separator-Drum Storage Area -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7350	0.0000	0.7350	0.3644	0.0000	0.3644			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	0.7350	0.5722	1.3072	0.3644	0.5265	0.8908		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2867	0.0000	0.2867	0.1421	0.0000	0.1421			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	0.2867	0.5722	0.8589	0.1421	0.5265	0.6686	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003	88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003	88.6024

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1859	0.0952	1.1986	4.7000e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		469.3818	469.3818	8.4300e-003		469.5926
Total	0.2266	1.4766	1.7068	9.4900e-003	0.7266	5.3800e-003	0.7320	0.1957	5.0100e-003	0.2007		994.0457	994.0457	0.0492		995.2767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1859	0.0952	1.1986	4.7000e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		469.3818	469.3818	8.4300e-003		469.5926
Total	0.2266	1.4766	1.7068	9.4900e-003	0.7266	5.3800e-003	0.7320	0.1957	5.0100e-003	0.2007		994.0457	994.0457	0.0492		995.2767

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815
Unmitigated	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	336.79	63.78	32.86	1,126,422	1,126,422
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	336.79	63.78	32.86	1,126,422	1,126,422

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
NaturalGas Unmitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2766.76	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.76676	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Unmitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 PA - Orange County, Summer

**JWA Phase 11 PA
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.54	1000sqft	1.60	69,544.00	0
Other Non-Asphalt Surfaces	17.32	1000sqft	0.40	17,320.00	0
Parking Lot	1.92	1000sqft	0.04	1,924.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined by project schedule and RON estimate
- Construction Phase - * Defined in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	1155	2078
tblConstructionPhase	NumDays	220.00	83.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	10.00	83.00
tblConstructionPhase	NumDays	10.00	27.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7610e-003	0.00
tblFleetMix	MCY	4.9610e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	8.5400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.8070e-003	0.00
tblFleetMix	SBUS	6.0600e-004	0.00
tblFleetMix	UBUS	1.4890e-003	0.00
tblLandUse	LandUseSquareFeet	69,540.00	69,544.00
tblLandUse	LandUseSquareFeet	1,920.00	1,924.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.1160	47.7044	55.0091	0.1136	6.8717	1.9745	8.8462	1.2089	1.8482	3.0570	0.0000	11,159.89 37	11,159.893 7	2.3495	0.0000	11,218.63 22
Maximum	5.1160	47.7044	55.0091	0.1136	6.8717	1.9745	8.8462	1.2089	1.8482	3.0570	0.0000	11,159.89 37	11,159.893 7	2.3495	0.0000	11,218.63 22

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.1160	47.7044	55.0091	0.1136	3.5511	1.9745	5.5256	0.7061	1.8482	2.5543	0.0000	11,159.89 37	11,159.893 7	2.3495	0.0000	11,218.63 22
Maximum	5.1160	47.7044	55.0091	0.1136	3.5511	1.9745	5.5256	0.7061	1.8482	2.5543	0.0000	11,159.89 37	11,159.893 7	2.3495	0.0000	11,218.63 22

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.32	0.00	37.54	41.59	0.00	16.45	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37
2	Construction of Box Hangars - 11	Building Construction	7/29/2024	11/20/2024	5	83
3	Surface Repairs - 11	Paving	7/29/2024	11/20/2024	5	83
4	Misc. Concrete - 11	Paving	7/29/2024	9/3/2024	5	27

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.44

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Box Hangars - 11	Cranes	1	8.00	231	0.29
Construction of Box Hangars - 11	Forklifts	2	7.00	89	0.20
Construction of Box Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of Box Hangars - 11	Graders	0		187	0.41
Construction of Box Hangars - 11	Scrapers	0		367	0.48
Construction of Box Hangars - 11	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of Box Hangars - 11	Welders	3	8.00	46	0.45
Surface Repairs - 11	Cement and Mortar Mixers	1	8.00	9	0.56
Surface Repairs - 11	Graders	0		187	0.41
Surface Repairs - 11	Pavers	1	8.00	130	0.42
Surface Repairs - 11	Paving Equipment	1	8.00	132	0.36
Surface Repairs - 11	Rollers	2	8.00	80	0.38
Surface Repairs - 11	Rubber Tired Dozers	0		247	0.40
Surface Repairs - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Cement and Mortar Mixers	1	8.00	9	0.56

Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 11	Rollers	2	8.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	5	13.00	0.00	931.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hangers - 11	8	37.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Surface Repairs - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4437	0.0000	5.4437	0.8242	0.0000	0.8242			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562

Total	1.4397	13.8867	13.4879	0.0241	5.4437	0.6311	6.0748	0.8242	0.5895	1.4137		2,324.9459	2,324.9459	0.5884		2,339.6562
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1158	3.6651	1.7017	0.0177	0.4380	7.2100e-003	0.4452	0.1199	6.9000e-003	0.1268		1,992.3497	1,992.3497	0.2091		1,997.5775
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1557	3.6864	2.0216	0.0189	0.5833	8.1000e-003	0.5914	0.1585	7.7200e-003	0.1662		2,113.9833	2,113.9833	0.2113		2,119.2659

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1230	0.0000	2.1230	0.3215	0.0000	0.3215			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	2.1230	0.6311	2.7541	0.3215	0.5895	0.9109	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1158	3.6651	1.7017	0.0177	0.4380	7.2100e-003	0.4452	0.1199	6.9000e-003	0.1268		1,992.3497	1,992.3497	0.2091		1,997.5775
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1557	3.6864	2.0216	0.0189	0.5833	8.1000e-003	0.5914	0.1585	7.7200e-003	0.1662		2,113.9833	2,113.9833	0.2113		2,119.2659

3.3 Construction of Box Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0277	0.9923	0.3368	3.5000e-003	0.0958	1.1800e-003	0.0970	0.0276	1.1300e-003	0.0287		384.0248	384.0248	0.0280		384.7259
Worker	0.1136	0.0605	0.9105	3.4700e-003	0.4136	2.5400e-003	0.4161	0.1097	2.3300e-003	0.1120		346.1879	346.1879	6.2400e-003		346.3438
Total	0.1413	1.0528	1.2473	6.9700e-003	0.5094	3.7200e-003	0.5131	0.1373	3.4600e-003	0.1407		730.2128	730.2128	0.0343		731.0697

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0277	0.9923	0.3368	3.5000e-003	0.0958	1.1800e-003	0.0970	0.0276	1.1300e-003	0.0287		384.0248	384.0248	0.0280		384.7259
Worker	0.1136	0.0605	0.9105	3.4700e-003	0.4136	2.5400e-003	0.4161	0.1097	2.3300e-003	0.1120		346.1879	346.1879	6.2400e-003		346.3438
Total	0.1413	1.0528	1.2473	6.9700e-003	0.5094	3.7200e-003	0.5131	0.1373	3.4600e-003	0.1407		730.2128	730.2128	0.0343		731.0697

3.4 Surface Repairs - 11 - 2024
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8437	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8437	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

3.5 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8464	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8464	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6739	2.4887	10.2380	0.0445	4.5531	0.0302	4.5833	1.2175	0.0280	1.2455		4,534.2145	4,534.2145	0.1678		4,538.4093
Unmitigated	0.6739	2.4887	10.2380	0.0445	4.5531	0.0302	4.5833	1.2175	0.0280	1.2455		4,534.2145	4,534.2145	0.1678		4,538.4093

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	484.69	91.79	47.29	1,621,097	1,621,097
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	484.69	91.79	47.29	1,621,097	1,621,097

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
NaturalGas Unmitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3982.11	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.98211	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Unmitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 PA - Orange County, Winter

**JWA Phase 11 PA
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.54	1000sqft	1.60	69,544.00	0
Other Non-Asphalt Surfaces	17.32	1000sqft	0.40	17,320.00	0
Parking Lot	1.92	1000sqft	0.04	1,924.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined by project schedule and RON estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and RON estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	1155	2078
tblConstructionPhase	NumDays	220.00	83.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	10.00	83.00
tblConstructionPhase	NumDays	10.00	27.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7610e-003	0.00
tblFleetMix	MCY	4.9610e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	8.5400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.8070e-003	0.00
tblFleetMix	SBUS	6.0600e-004	0.00
tblFleetMix	UBUS	1.4890e-003	0.00
tblLandUse	LandUseSquareFeet	69,540.00	69,544.00
tblLandUse	LandUseSquareFeet	1,920.00	1,924.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.1552	47.7301	54.9318	0.1128	6.8717	1.9747	8.8465	1.2089	1.8485	3.0573	0.0000	11,080.6543	11,080.6543	2.3534	0.0000	11,139.4881
Maximum	5.1552	47.7301	54.9318	0.1128	6.8717	1.9747	8.8465	1.2089	1.8485	3.0573	0.0000	11,080.6543	11,080.6543	2.3534	0.0000	11,139.4881

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.1552	47.7301	54.9318	0.1128	3.5511	1.9747	5.5258	0.7061	1.8485	2.5545	0.0000	11,080.6543	11,080.6543	2.3534	0.0000	11,139.4881
Maximum	5.1552	47.7301	54.9318	0.1128	3.5511	1.9747	5.5258	0.7061	1.8485	2.5545	0.0000	11,080.6543	11,080.6543	2.3534	0.0000	11,139.4881

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.32	0.00	37.54	41.59	0.00	16.44	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37
2	Construction of Box Hangars - 11	Building Construction	7/29/2024	11/20/2024	5	83
3	Surface Repairs - 11	Paving	7/29/2024	11/20/2024	5	83
4	Misc. Concrete - 11	Paving	7/29/2024	9/3/2024	5	27

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.44

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Box Hangars - 11	Cranes	1	8.00	231	0.29
Construction of Box Hangars - 11	Forklifts	2	7.00	89	0.20
Construction of Box Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of Box Hangars - 11	Graders	0		187	0.41
Construction of Box Hangars - 11	Scrapers	0		367	0.48
Construction of Box Hangars - 11	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of Box Hangars - 11	Welders	3	8.00	46	0.45
Surface Repairs - 11	Cement and Mortar Mixers	1	8.00	9	0.56
Surface Repairs - 11	Graders	0		187	0.41
Surface Repairs - 11	Pavers	1	8.00	130	0.42
Surface Repairs - 11	Paving Equipment	1	8.00	132	0.36
Surface Repairs - 11	Rollers	2	8.00	80	0.38
Surface Repairs - 11	Rubber Tired Dozers	0		247	0.40
Surface Repairs - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Cement and Mortar Mixers	1	8.00	9	0.56

Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 11	Rollers	2	8.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	5	13.00	0.00	931.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hangers - 11	8	37.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Surface Repairs - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4437	0.0000	5.4437	0.8242	0.0000	0.8242			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562

Total	1.4397	13.8867	13.4879	0.0241	5.4437	0.6311	6.0748	0.8242	0.5895	1.4137		2,324.9459	2,324.9459	0.5884		2,339.6562
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1187	3.6835	1.7577	0.0174	0.4380	7.4300e-003	0.4455	0.1199	7.1100e-003	0.1270		1,962.3888	1,962.3888	0.2126		1,967.7031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1643	3.7069	2.0517	0.0186	0.5833	8.3200e-003	0.5917	0.1585	7.9300e-003	0.1664		2,077.5202	2,077.5202	0.2146		2,082.8862

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1230	0.0000	2.1230	0.3215	0.0000	0.3215			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	2.1230	0.6311	2.7541	0.3215	0.5895	0.9109	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1187	3.6835	1.7577	0.0174	0.4380	7.4300e-003	0.4455	0.1199	7.1100e-003	0.1270		1,962.3888	1,962.3888	0.2126		1,967.7031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1643	3.7069	2.0517	0.0186	0.5833	8.3200e-003	0.5917	0.1585	7.9300e-003	0.1664		2,077.5202	2,077.5202	0.2146		2,082.8862

3.3 Construction of Box Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	0.9867	0.3630	3.4200e-003	0.0958	1.2500e-003	0.0971	0.0276	1.2000e-003	0.0288		374.7599	374.7599	0.0292		375.4886
Worker	0.1298	0.0665	0.8367	3.2800e-003	0.4136	2.5400e-003	0.4161	0.1097	2.3300e-003	0.1120		327.6817	327.6817	5.8900e-003		327.8288
Total	0.1588	1.0532	1.1998	6.7000e-003	0.5094	3.7900e-003	0.5132	0.1373	3.5300e-003	0.1408		702.4416	702.4416	0.0350		703.3174

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0291	0.9867	0.3630	3.4200e-003	0.0958	1.2500e-003	0.0971	0.0276	1.2000e-003	0.0288		374.7599	374.7599	0.0292		375.4886
Worker	0.1298	0.0665	0.8367	3.2800e-003	0.4136	2.5400e-003	0.4161	0.1097	2.3300e-003	0.1120		327.6817	327.6817	5.8900e-003		327.8288
Total	0.1588	1.0532	1.1998	6.7000e-003	0.5094	3.7900e-003	0.5132	0.1373	3.5300e-003	0.1408		702.4416	702.4416	0.0350		703.3174

3.4 Surface Repairs - 11 - 2024
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8437	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8437	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

3.5 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8464	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8464	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6613	2.5660	9.6751	0.0426	4.5531	0.0303	4.5833	1.2175	0.0281	1.2455		4,339.7521	4,339.7521	0.1668		4,343.9208
Unmitigated	0.6613	2.5660	9.6751	0.0426	4.5531	0.0303	4.5833	1.2175	0.0281	1.2455		4,339.7521	4,339.7521	0.1668		4,343.9208

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	484.69	91.79	47.29	1,621,097	1,621,097
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	484.69	91.79	47.29	1,621,097	1,621,097

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
NaturalGas Unmitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3982.11	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.98211	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Unmitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 PA - Orange County, Summer

JWA Phase 12 PA
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	34.76	1000sqft	0.80	34,761.00	0
Other Asphalt Surfaces	189.88	1000sqft	4.36	189,878.00	0
Other Non-Asphalt Surfaces	187.88	1000sqft	4.31	187,875.00	0
Other Non-Asphalt Surfaces	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	76.00
tblConstructionPhase	NumDays	20.00	28.00
tblConstructionPhase	NumDays	20.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	27.00
tblLandUse	LandUseSquareFeet	34,760.00	34,761.00
tblLandUse	LandUseSquareFeet	189,880.00	189,878.00
tblLandUse	LandUseSquareFeet	187,880.00	187,875.00
tblTripsAndVMT	HaulingTripNumber	654.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2606	39.3878	36.4537	0.0740	5.3660	1.8117	7.1777	0.8481	1.6756	2.5237	0.0000	7,164.1609	7,164.1609	2.0735	0.0000	7,215.9985
2025	7.2999	61.9408	72.3489	0.1565	7.9130	2.5787	10.4917	1.5334	2.3910	3.9243	0.0000	15,344.1238	15,344.1238	3.5404	0.0000	15,432.6332

Maximum	7.2999	61.9408	72.3489	0.1565	7.9130	2.5787	10.4917	1.5334	2.3910	3.9243	0.0000	15,344.1238	15,344.1238	3.5404	0.0000	15,432.6332
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2606	39.3878	36.4537	0.0740	5.3660	1.8117	7.1777	0.8481	1.6756	2.5237	0.0000	7,164.1609	7,164.1609	2.0735	0.0000	7,215.9985
2025	7.2999	61.9408	72.3489	0.1565	7.9130	2.5787	10.4917	1.5334	2.3910	3.9243	0.0000	15,344.1238	15,344.1238	3.5404	0.0000	15,432.6332
Maximum	7.2999	61.9408	72.3489	0.1565	7.9130	2.5787	10.4917	1.5334	2.3910	3.9243	0.0000	15,344.1238	15,344.1238	3.5404	0.0000	15,432.6332

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Energy	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Mobile	0.3229	1.2040	4.8645	0.0216	2.2759	0.0146	2.2906	0.6086	0.0136	0.6222		2,201.5564	2,201.5564	0.0809		2,203.5795

Total	1.2883	1.3995	5.0707	0.0228	2.2759	0.0296	2.3055	0.6086	0.0286	0.6371		2,435.8147	2,435.8147	0.0857	4.2900e-003	2,439.2353
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Energy	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Mobile	0.3229	1.2040	4.8645	0.0216	2.2759	0.0146	2.2906	0.6086	0.0136	0.6222		2,201.5564	2,201.5564	0.0809		2,203.5795
Total	1.2883	1.3995	5.0707	0.0228	2.2759	0.0296	2.3055	0.6086	0.0286	0.6371		2,435.8147	2,435.8147	0.0857	4.2900e-003	2,439.2353

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	12/10/2024	1/16/2025	5	28	
2	Construction of Box Hanger and T Hanger - 12	Building Construction	1/16/2025	5/1/2025	5	76	
3	Apron Concrete - 12	Paving	1/16/2025	2/27/2025	5	31	
4	Construction of Park Spaces / Lighting - 12	Paving	4/29/2025	6/12/2025	5	33	
5	Misc Concrete - 12	Paving	5/15/2025	6/20/2025	5	27	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Pavers	0		130	0.42
Demolition - 12	Paving Equipment	0		132	0.36
Demolition - 12	Rollers	0		80	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of Box Hanger and T Hanger - 12	Cranes	1	7.00	231	0.29
Construction of Box Hanger and T Hanger - 12	Forklifts	3	8.00	89	0.20
Construction of Box Hanger and T Hanger - 12	Generator Sets	1	8.00	84	0.74
Construction of Box Hanger and T Hanger - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Box Hanger and T Hanger - 12	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 12	Cranes	0		231	0.29
Construction of Park Spaces / Lighting - 12	Forklifts	0		89	0.20
Construction of Park Spaces / Lighting - 12	Generator Sets	0		84	0.74
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Tractors/Loaders/Backhoes	0		97	0.37
Construction of Park Spaces / Lighting - 12	Welders	0		46	0.45
Apron Concrete - 12	Pavers	2	8.00	130	0.42
Misc Concrete - 12	Pavers	2	8.00	130	0.42

Apron Concrete - 12	Paving Equipment	2	8.00	132	0.36
Misc Concrete - 12	Paving Equipment	2	8.00	132	0.36
Apron Concrete - 12	Rollers	2	8.00	80	0.38
Misc Concrete - 12	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hanger and T Hanger -	9	174.00	68.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Concrete - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 12 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	4.1746	39.3420	35.7646	0.0714		1.8098	1.8098		1.6738	1.6738		6,902.1809	6,902.1809	2.0688		6,953.9004
Total	4.1746	39.3420	35.7646	0.0714	5.0530	1.8098	6.8628	0.7651	1.6738	2.4389		6,902.1809	6,902.1809	2.0688		6,953.9004

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0860	0.0458	0.6890	2.6300e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848		261.9801	261.9801	4.7200e-003		262.0980
Total	0.0860	0.0458	0.6890	2.6300e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848		261.9801	261.9801	4.7200e-003		262.0980

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	4.1746	39.3420	35.7646	0.0714		1.8098	1.8098		1.6738	1.6738	0.0000	6,902.1809	6,902.1809	2.0688		6,953.9004
Total	4.1746	39.3420	35.7646	0.0714	5.0530	1.8098	6.8628	0.7651	1.6738	2.4389	0.0000	6,902.1809	6,902.1809	2.0688		6,953.9004

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0860	0.0458	0.6890	2.6300e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848		261.9801	261.9801	4.7200e-003	262.0980
Total	0.0860	0.0458	0.6890	2.6300e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848		261.9801	261.9801	4.7200e-003	262.0980

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	3.8901	36.1238	35.1920	0.0714		1.6127	1.6127		1.4911	1.4911		6,902.5334	6,902.5334	2.0668		6,954.2037
Total	3.8901	36.1238	35.1920	0.0714	5.0530	1.6127	6.6657	0.7651	1.4911	2.2562		6,902.5334	6,902.5334	2.0668		6,954.2037

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0821	0.0420	0.6432	2.5200e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		251.3869	251.3869	4.3200e-003		251.4949
Total	0.0821	0.0420	0.6432	2.5200e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		251.3869	251.3869	4.3200e-003		251.4949

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	3.8901	36.1238	35.1920	0.0714		1.6127	1.6127		1.4911	1.4911	0.0000	6,902.5334	6,902.5334	2.0668		6,954.2037
Total	3.8901	36.1238	35.1920	0.0714	5.0530	1.6127	6.6657	0.7651	1.4911	2.2562	0.0000	6,902.5334	6,902.5334	2.0668		6,954.2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0821	0.0420	0.6432	2.5200e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		251.3869	251.3869	4.3200e-003		251.4949
Total	0.0821	0.0420	0.6432	2.5200e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		251.3869	251.3869	4.3200e-003		251.4949

3.3 Construction of Box Hanger and T Hanger - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1222	4.4401	1.5092	0.0158	0.4344	5.2600e-003	0.4397	0.1250	5.0300e-003	0.1300		1,730.1222	1,730.1222	0.1255		1,733.2586
Worker	0.5104	0.2611	3.9973	0.0157	1.9449	0.0118	1.9567	0.5158	0.0108	0.5266		1,562.1903	1,562.1903	0.0268		1,562.8609
Total	0.6326	4.7012	5.5065	0.0314	2.3793	0.0170	2.3964	0.6408	0.0159	0.6567		3,292.3124	3,292.3124	0.1523		3,296.1194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1222	4.4401	1.5092	0.0158	0.4344	5.2600e-003	0.4397	0.1250	5.0300e-003	0.1300		1,730.1222	1,730.1222	0.1255		1,733.2586
Worker	0.5104	0.2611	3.9973	0.0157	1.9449	0.0118	1.9567	0.5158	0.0108	0.5266		1,562.1903	1,562.1903	0.0268		1,562.8609
Total	0.6326	4.7012	5.5065	0.0314	2.3793	0.0170	2.3964	0.6408	0.0159	0.6567		3,292.3124	3,292.3124	0.1523		3,296.1194

3.4 Apron Concrete - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.2836	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2836	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2613	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	134.6716	134.6716	2.3100e-003	134.7294	
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	134.6716	134.6716	2.3100e-003	134.7294	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2613	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Misc Concrete - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.4231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3382	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.4231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3382	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3229	1.2040	4.8645	0.0216	2.2759	0.0146	2.2906	0.6086	0.0136	0.6222		2,201.5564	2,201.5564	0.0809		2,203.5795
Unmitigated	0.3229	1.2040	4.8645	0.0216	2.2759	0.0146	2.2906	0.6086	0.0136	0.6222		2,201.5564	2,201.5564	0.0809		2,203.5795

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	242.28	45.88	23.64	810,315	810,315
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	242.28	45.88	23.64	810,315	810,315

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836

Other Asphalt Surfaces	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
Other Non-Asphalt Surfaces	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
NaturalGas Unmitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1990.42	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	1.99042	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148			234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148			234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Unmitigated	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Total	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Total	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 PA - Orange County, Winter

JWA Phase 12 PA
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	34.76	1000sqft	0.80	34,761.00	0
Other Asphalt Surfaces	189.88	1000sqft	4.36	189,878.00	0
Other Non-Asphalt Surfaces	187.88	1000sqft	4.31	187,875.00	0
Other Non-Asphalt Surfaces	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	76.00
tblConstructionPhase	NumDays	20.00	28.00
tblConstructionPhase	NumDays	20.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	27.00
tblLandUse	LandUseSquareFeet	34,760.00	34,761.00
tblLandUse	LandUseSquareFeet	189,880.00	189,878.00
tblLandUse	LandUseSquareFeet	187,880.00	187,875.00
tblTripsAndVMT	HaulingTripNumber	654.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2728	39.3923	36.3978	0.0739	5.3660	1.8117	7.1777	0.8481	1.6756	2.5237	0.0000	7,150.1562	7,150.1562	2.0732	0.0000	7,201.9871
2025	7.3986	61.9480	72.0574	0.1551	7.9130	2.5790	10.4920	1.5334	2.3912	3.9246	0.0000	15,198.6188	15,198.6188	3.5432	0.0000	15,287.1992

Maximum	7.3986	61.9480	72.0574	0.1551	7.9130	2.5790	10.4920	1.5334	2.3912	3.9246	0.0000	15,198.6188	15,198.6188	3.5432	0.0000	15,287.1992
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2728	39.3923	36.3978	0.0739	5.3660	1.8117	7.1777	0.8481	1.6756	2.5237	0.0000	7,150.1562	7,150.1562	2.0732	0.0000	7,201.9871
2025	7.3986	61.9480	72.0574	0.1551	7.9130	2.5790	10.4920	1.5334	2.3912	3.9246	0.0000	15,198.6188	15,198.6188	3.5432	0.0000	15,287.1992
Maximum	7.3986	61.9480	72.0574	0.1551	7.9130	2.5790	10.4920	1.5334	2.3912	3.9246	0.0000	15,198.6188	15,198.6188	3.5432	0.0000	15,287.1992

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Energy	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Mobile	0.3169	1.2397	4.5994	0.0207	2.2759	0.0147	2.2906	0.6086	0.0136	0.6222		2,107.8617	2,107.8617	0.0805		2,109.8741

Total	1.2822	1.4352	4.8055	0.0218	2.2759	0.0297	2.3056	0.6086	0.0286	0.6372		2,342.1200	2,342.1200	0.0852	4.2900e-003	2,345.5299
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Energy	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Mobile	0.3169	1.2397	4.5994	0.0207	2.2759	0.0147	2.2906	0.6086	0.0136	0.6222		2,107.8617	2,107.8617	0.0805		2,109.8741
Total	1.2822	1.4352	4.8055	0.0218	2.2759	0.0297	2.3056	0.6086	0.0286	0.6372		2,342.1200	2,342.1200	0.0852	4.2900e-003	2,345.5299

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	12/10/2024	1/16/2025	5	28	
2	Construction of Box Hanger and T Hanger - 12	Building Construction	1/16/2025	5/1/2025	5	76	
3	Apron Concrete - 12	Paving	1/16/2025	2/27/2025	5	31	
4	Construction of Park Spaces / Lighting - 12	Paving	4/29/2025	6/12/2025	5	33	
5	Misc Concrete - 12	Paving	5/15/2025	6/20/2025	5	27	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Pavers	0		130	0.42
Demolition - 12	Paving Equipment	0		132	0.36
Demolition - 12	Rollers	0		80	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of Box Hanger and T Hanger - 12	Cranes	1	7.00	231	0.29
Construction of Box Hanger and T Hanger - 12	Forklifts	3	8.00	89	0.20
Construction of Box Hanger and T Hanger - 12	Generator Sets	1	8.00	84	0.74
Construction of Box Hanger and T Hanger - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Box Hanger and T Hanger - 12	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 12	Cranes	0		231	0.29
Construction of Park Spaces / Lighting - 12	Forklifts	0		89	0.20
Construction of Park Spaces / Lighting - 12	Generator Sets	0		84	0.74
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Tractors/Loaders/Backhoes	0		97	0.37
Construction of Park Spaces / Lighting - 12	Welders	0		46	0.45
Apron Concrete - 12	Pavers	2	8.00	130	0.42
Misc Concrete - 12	Pavers	2	8.00	130	0.42

Apron Concrete - 12	Paving Equipment	2	8.00	132	0.36
Misc Concrete - 12	Paving Equipment	2	8.00	132	0.36
Apron Concrete - 12	Rollers	2	8.00	80	0.38
Misc Concrete - 12	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	11	28.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hanger and T Hanger -	9	174.00	68.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron Concrete - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 12 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	4.1746	39.3420	35.7646	0.0714		1.8098	1.8098		1.6738	1.6738		6,902.1809	6,902.1809	2.0688		6,953.9004
Total	4.1746	39.3420	35.7646	0.0714	5.0530	1.8098	6.8628	0.7651	1.6738	2.4389		6,902.1809	6,902.1809	2.0688		6,953.9004

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0503	0.6332	2.4900e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848		247.9753	247.9753	4.4500e-003		248.0867
Total	0.0982	0.0503	0.6332	2.4900e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848		247.9753	247.9753	4.4500e-003		248.0867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	4.1746	39.3420	35.7646	0.0714		1.8098	1.8098		1.6738	1.6738	0.0000	6,902.1809	6,902.1809	2.0688		6,953.9004
Total	4.1746	39.3420	35.7646	0.0714	5.0530	1.8098	6.8628	0.7651	1.6738	2.4389	0.0000	6,902.1809	6,902.1809	2.0688		6,953.9004

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0982	0.0503	0.6332	2.4900e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848	247.9753	247.9753	4.4500e-003	248.0867	
Total	0.0982	0.0503	0.6332	2.4900e-003	0.3130	1.9200e-003	0.3149	0.0830	1.7700e-003	0.0848	247.9753	247.9753	4.4500e-003	248.0867	

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	3.8901	36.1238	35.1920	0.0714		1.6127	1.6127		1.4911	1.4911		6,902.5334	6,902.5334	2.0668		6,954.2037
Total	3.8901	36.1238	35.1920	0.0714	5.0530	1.6127	6.6657	0.7651	1.4911	2.2562		6,902.5334	6,902.5334	2.0668		6,954.2037

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0941	0.0461	0.5907	2.3800e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		237.9603	237.9603	4.0700e-003		238.0621
Total	0.0941	0.0461	0.5907	2.3800e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		237.9603	237.9603	4.0700e-003		238.0621

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	3.8901	36.1238	35.1920	0.0714		1.6127	1.6127		1.4911	1.4911	0.0000	6,902.5334	6,902.5334	2.0668		6,954.2037
Total	3.8901	36.1238	35.1920	0.0714	5.0530	1.6127	6.6657	0.7651	1.4911	2.2562	0.0000	6,902.5334	6,902.5334	2.0668		6,954.2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0941	0.0461	0.5907	2.3800e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		237.9603	237.9603	4.0700e-003		238.0621
Total	0.0941	0.0461	0.5907	2.3800e-003	0.3130	1.9000e-003	0.3149	0.0830	1.7400e-003	0.0848		237.9603	237.9603	4.0700e-003		238.0621

3.3 Construction of Box Hanger and T Hanger - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1283	4.4153	1.6249	0.0154	0.4344	5.5300e-003	0.4400	0.1250	5.2800e-003	0.1303		1,688.6735	1,688.6735	0.1302			1,691.9283
Worker	0.5847	0.2867	3.6708	0.0148	1.9449	0.0118	1.9567	0.5158	0.0108	0.5266		1,478.7533	1,478.7533	0.0253			1,479.3859
Total	0.7130	4.7020	5.2957	0.0302	2.3793	0.0173	2.3966	0.6408	0.0161	0.6569		3,167.4268	3,167.4268	0.1555			3,171.3142

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010	
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1283	4.4153	1.6249	0.0154	0.4344	5.5300e-003	0.4400	0.1250	5.2800e-003	0.1303		1,688.6735	1,688.6735	0.1302		1,691.9283
Worker	0.5847	0.2867	3.6708	0.0148	1.9449	0.0118	1.9567	0.5158	0.0108	0.5266		1,478.7533	1,478.7533	0.0253		1,479.3859
Total	0.7130	4.7020	5.2957	0.0302	2.3793	0.0173	2.3966	0.6408	0.0161	0.6569		3,167.4268	3,167.4268	0.1555		3,171.3142

3.4 Apron Concrete - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.2836	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2836	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2613	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	127.4787	127.4787	2.1800e-003	127.5333	
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	127.4787	127.4787	2.1800e-003	127.5333	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2613	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Misc Concrete - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.588
Paving	0.4231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3382	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.588

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.4231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3382	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3169	1.2397	4.5994	0.0207	2.2759	0.0147	2.2906	0.6086	0.0136	0.6222		2,107.8617	2,107.8617	0.0805		2,109.8741
Unmitigated	0.3169	1.2397	4.5994	0.0207	2.2759	0.0147	2.2906	0.6086	0.0136	0.6222		2,107.8617	2,107.8617	0.0805		2,109.8741

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	242.28	45.88	23.64	810,315	810,315
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	242.28	45.88	23.64	810,315	810,315

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836

Other Asphalt Surfaces	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836
Other Non-Asphalt Surfaces	0.567806	0.042648	0.209377	0.105989	0.013805	0.005766	0.026460	0.018426	0.001825	0.001473	0.004977	0.000611	0.000836

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
NaturalGas Unmitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1990.42	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.99042	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Unmitigated	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Total	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8900e-003	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966
Total	0.9439	3.8000e-004	0.0422	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0907	0.0907	2.4000e-004		0.0966

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 PA - Orange County, Summer

**JWA Phase 13 PA
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	150.55	1000sqft	3.46	150,552.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - *

Construction Off-road Equipment Mitigation -

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	300.00	66.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	53.00
tblConstructionPhase	NumDays	20.00	144.00
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	PhaseEndDate	10/8/2026	12/2/2025
tblConstructionPhase	PhaseEndDate	12/2/2027	1/12/2026
tblConstructionPhase	PhaseEndDate	1/25/2029	10/14/2025
tblConstructionPhase	PhaseEndDate	8/14/2025	9/2/2025
tblConstructionPhase	PhaseEndDate	2/22/2029	12/29/2025
tblConstructionPhase	PhaseEndDate	3/22/2029	5/5/2026
tblConstructionPhase	PhaseEndDate	4/19/2029	2/5/2026
tblConstructionPhase	PhaseStartDate	8/15/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	10/9/2026	9/2/2025
tblConstructionPhase	PhaseStartDate	12/3/2027	9/2/2025
tblConstructionPhase	PhaseStartDate	1/26/2029	10/16/2025
tblConstructionPhase	PhaseStartDate	2/23/2029	10/16/2025
tblConstructionPhase	PhaseStartDate	3/23/2029	12/2/2025

tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	150,550.00	150,552.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,617.00
tblTripsAndVMT	WorkerTripNumber	204.00	18.00
tblTripsAndVMT	WorkerTripNumber	204.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	41.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	7.6088	79.8153	82.3369	0.2334	5.2781	2.4854	7.7635	1.4421	2.3279	3.7700	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722
2026	3.6040	34.9579	48.6641	0.0978	1.3670	1.3757	2.7427	0.3742	1.2768	1.6510	0.0000	9,676.1637	9,676.1637	2.1866	0.0000	9,730.8292
Maximum	7.6088	79.8153	82.3369	0.2334	5.2781	2.4854	7.7635	1.4421	2.3279	3.7700	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2025	7.6088	79.8153	82.3369	0.2334	5.2781	2.4854	7.7635	1.4421	2.3279	3.7700	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722
2026	3.6040	34.9579	48.6641	0.0978	1.3670	1.3757	2.7427	0.3742	1.2768	1.6510	0.0000	9,676.1637	9,676.1637	2.1866	0.0000	9,730.8292
Maximum	7.6088	79.8153	82.3369	0.2334	5.2781	2.4854	7.7635	1.4421	2.3279	3.7700	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Total	4.7054	5.7632	20.1868	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1866	9,764.1866	0.3448	0.0147	9,777.1865

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Total	4.7054	5.7632	20.1868	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1866	9,764.1866	0.3448	0.0147	9,777.1865

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	7/18/2025	9/2/2025	5	33	
2	Construction of FBO Hangers - 13	Building Construction	9/2/2025	12/2/2025	5	66	
3	Construction of Offices - 13	Building Construction	9/2/2025	1/12/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	9/2/2025	10/14/2025	5	31	
5	Construction of Park Spaces / Lighting - 13	Paving	10/16/2025	12/29/2025	5	53	
6	Construction of Parking Garage - 13	Paving	10/16/2025	5/5/2026	5	144	
7	Apron concrete - 13	Paving	12/2/2025	2/5/2026	5	48	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40

Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 13	6	15.00	0.00	1,617.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13	9	18.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13	9	20.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13	9	204.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13	6	41.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2233	6.9573	3.3673	0.0342	0.8530	0.0138	0.8668	0.2335	0.0132	0.2467		3,854.5297	3,854.5297	0.4070		3,864.7036
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.2673	6.9798	3.7119	0.0355	1.0207	0.0148	1.0354	0.2780	0.0141	0.2921		3,989.2013	3,989.2013	0.4093		3,999.4329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2233	6.9573	3.3673	0.0342	0.8530	0.0138	0.8668	0.2335	0.0132	0.2467		3,854.5297	3,854.5297	0.4070		3,864.7036

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.2673	6.9798	3.7119	0.0355	1.0207	0.0148	1.0354	0.2780	0.0141	0.2921		3,989.2013	3,989.2013	0.4093		3,999.4329

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494		2,064.6168
Worker	0.0528	0.0270	0.4135	1.6200e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		161.6059	161.6059	2.7700e-003		161.6753
Total	0.1984	5.3159	2.2112	0.0204	0.7187	7.4900e-003	0.7262	0.2023	7.1100e-003	0.2094		2,222.4867	2,222.4867	0.1522		2,226.2921

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494		2,064.6168
Worker	0.0528	0.0270	0.4135	1.6200e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		161.6059	161.6059	2.7700e-003		161.6753
Total	0.1984	5.3159	2.2112	0.0204	0.7187	7.4900e-003	0.7262	0.2023	7.1100e-003	0.2094		2,222.4867	2,222.4867	0.1522		2,226.2921

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494		2,064.6168
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.2043	5.3189	2.2572	0.0206	0.7410	7.6200e-003	0.7487	0.2082	7.2400e-003	0.2154		2,240.4429	2,240.4429	0.1525		2,244.2560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494			2,064.6168
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003			179.6392
Total	0.2043	5.3189	2.2572	0.0206	0.7410	7.6200e-003	0.7487	0.2082	7.2400e-003	0.2154		2,240.4429	2,240.4429	0.1525			2,244.2560

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1422	5.2196	1.7838	0.0187	0.5175	6.1300e-003	0.5236	0.1489	5.8600e-003	0.1548		2,048.5421	2,048.5421	0.1475		2,052.2293
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.1985	5.2473	2.2153	0.0204	0.7410	7.4400e-003	0.7485	0.2082	7.0700e-003	0.2153		2,221.6097	2,221.6097	0.1503		2,225.3678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1422	5.2196	1.7838	0.0187	0.5175	6.1300e-003	0.5236	0.1489	5.8600e-003	0.1548		2,048.5421	2,048.5421	0.1475	2,052.2293
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003	173.1385
Total	0.1985	5.2473	2.2153	0.0204	0.7410	7.4400e-003	0.7485	0.2082	7.0700e-003	0.2153		2,221.6097	2,221.6097	0.1503	2,225.3678

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494		2,064.6168
Worker	0.5984	0.3061	4.6865	0.0184	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,831.5334	1,831.5334	0.0315		1,832.3196
Total	0.7440	5.5950	6.4842	0.0371	2.7977	0.0201	2.8178	0.7536	0.0187	0.7723		3,892.4142	3,892.4142	0.1809		3,896.9364

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494		2,064.6168
Worker	0.5984	0.3061	4.6865	0.0184	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,831.5334	1,831.5334	0.0315		1,832.3196
Total	0.7440	5.5950	6.4842	0.0371	2.7977	0.0201	2.8178	0.7536	0.0187	0.7723		3,892.4142	3,892.4142	0.1809		3,896.9364

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9493	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9493	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003		368.2603
Total	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003		368.2603

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003	368.2603
Total	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003	368.2603

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003		354.9339
Total	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003		354.9339

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003		354.9339
Total	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003		354.9339

3.8 Apron concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	129.8007	129.8007	2.1300e-003	129.8539	
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	129.8007	129.8007	2.1300e-003	129.8539	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Unmitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Unmitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 PA - Orange County, Winter

**JWA Phase 13 PA
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	150.55	1000sqft	3.46	150,552.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - *

Construction Off-road Equipment Mitigation -

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	300.00	66.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	53.00
tblConstructionPhase	NumDays	20.00	144.00
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	PhaseEndDate	10/8/2026	12/2/2025
tblConstructionPhase	PhaseEndDate	12/2/2027	1/12/2026
tblConstructionPhase	PhaseEndDate	1/25/2029	10/14/2025
tblConstructionPhase	PhaseEndDate	8/14/2025	9/2/2025
tblConstructionPhase	PhaseEndDate	2/22/2029	12/29/2025
tblConstructionPhase	PhaseEndDate	3/22/2029	5/5/2026
tblConstructionPhase	PhaseEndDate	4/19/2029	2/5/2026
tblConstructionPhase	PhaseStartDate	8/15/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	10/9/2026	9/2/2025
tblConstructionPhase	PhaseStartDate	12/3/2027	9/2/2025
tblConstructionPhase	PhaseStartDate	1/26/2029	10/16/2025
tblConstructionPhase	PhaseStartDate	2/23/2029	10/16/2025
tblConstructionPhase	PhaseStartDate	3/23/2029	12/2/2025

tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	150,550.00	150,552.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,617.00
tblTripsAndVMT	WorkerTripNumber	204.00	18.00
tblTripsAndVMT	WorkerTripNumber	204.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	41.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	7.7457	79.7988	82.3748	0.2303	5.2781	2.4867	7.7648	1.4421	2.3292	3.7713	0.0000	23,432.6947	23,432.6947	3.7652	0.0000	23,526.8251
2026	3.6429	34.9391	48.6637	0.0970	1.3670	1.3760	2.7430	0.3742	1.2771	1.6513	0.0000	9,592.3095	9,592.3095	2.1914	0.0000	9,647.0934
Maximum	7.7457	79.7988	82.3748	0.2303	5.2781	2.4867	7.7648	1.4421	2.3292	3.7713	0.0000	23,432.6947	23,432.6947	3.7652	0.0000	23,526.8251

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2025	7.7457	79.7988	82.3748	0.2303	5.2781	2.4867	7.7648	1.4421	2.3292	3.7713	0.0000	23,432.69 47	23,432.694 7	3.7652	0.0000	23,526.82 51
2026	3.6429	34.9391	48.6637	0.0970	1.3670	1.3760	2.7430	0.3742	1.2771	1.6513	0.0000	9,592.309 5	9,592.3095	2.1914	0.0000	9,647.093 4
Maximum	7.7457	79.7988	82.3748	0.2303	5.2781	2.4867	7.7648	1.4421	2.3292	3.7713	0.0000	23,432.69 47	23,432.694 7	3.7652	0.0000	23,526.82 51

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.070 5	8,582.0705	0.3280		8,590.270 3
Total	4.6797	5.8979	19.1815	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.082 4	9,384.0824	0.3436	0.0147	9,397.054 6

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Total	4.6797	5.8979	19.1815	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.0824	9,384.0824	0.3436	0.0147	9,397.0546

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	7/18/2025	9/2/2025	5	33	
2	Construction of FBO Hangers - 13	Building Construction	9/2/2025	12/2/2025	5	66	
3	Construction of Offices - 13	Building Construction	9/2/2025	1/12/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	9/2/2025	10/14/2025	5	31	
5	Construction of Park Spaces / Lighting - 13	Paving	10/16/2025	12/29/2025	5	53	
6	Construction of Parking Garage - 13	Paving	10/16/2025	5/5/2026	5	144	
7	Apron concrete - 13	Paving	12/2/2025	2/5/2026	5	48	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40

Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 13	6	15.00	0.00	1,617.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13	9	18.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13	9	20.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13	9	204.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13	6	41.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2287	6.9916	3.4740	0.0336	0.8530	0.0142	0.8671	0.2335	0.0135	0.2470		3,797.0121	3,797.0121	0.4133		3,807.3447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.2791	7.0163	3.7905	0.0349	1.0207	0.0152	1.0358	0.2780	0.0145	0.2924		3,924.4908	3,924.4908	0.4155		3,934.8779

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2287	6.9916	3.4740	0.0336	0.8530	0.0142	0.8671	0.2335	0.0135	0.2470		3,797.0121	3,797.0121	0.4133		3,807.3447

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.2791	7.0163	3.7905	0.0349	1.0207	0.0152	1.0358	0.2780	0.0145	0.2924		3,924.4908	3,924.4908	0.4155		3,934.8779

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.0605	0.0297	0.3797	1.5300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		152.9745	152.9745	2.6200e-003		153.0399
Total	0.2133	5.2890	2.3153	0.0199	0.7187	7.8000e-003	0.7265	0.2023	7.4100e-003	0.2097		2,164.4826	2,164.4826	0.1577		2,168.4251

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.0605	0.0297	0.3797	1.5300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		152.9745	152.9745	2.6200e-003		153.0399
Total	0.2133	5.2890	2.3153	0.0199	0.7187	7.8000e-003	0.7265	0.2023	7.4100e-003	0.2097		2,164.4826	2,164.4826	0.1577		2,168.4251

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.2200	5.2923	2.3575	0.0201	0.7410	7.9300e-003	0.7490	0.2082	7.5400e-003	0.2157		2,181.4798	2,181.4798	0.1580		2,185.4296

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551			2,015.3852
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003			170.0444
Total	0.2200	5.2923	2.3575	0.0201	0.7410	7.9300e-003	0.7490	0.2082	7.5400e-003	0.2157		2,181.4798	2,181.4798	0.1580			2,185.4296

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1492	5.1905	1.9185	0.0182	0.5175	6.4000e-003	0.5239	0.1489	6.1200e-003	0.1550		1,999.7994	1,999.7994	0.1528		2,003.6203
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.2139	5.2210	2.3144	0.0199	0.7410	7.7100e-003	0.7488	0.2082	7.3300e-003	0.2155		2,163.6271	2,163.6271	0.1555		2,167.5149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1492	5.1905	1.9185	0.0182	0.5175	6.4000e-003	0.5239	0.1489	6.1200e-003	0.1550	1,999.7994	1,999.7994	0.1528	2,003.6203	
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605	163.8278	163.8278	2.6700e-003	163.8946	
Total	0.2139	5.2210	2.3144	0.0199	0.7410	7.7100e-003	0.7488	0.2082	7.3300e-003	0.2155	2,163.6271	2,163.6271	0.1555	2,167.5149	

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.6855	0.3361	4.3037	0.0174	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,733.7108	1,733.7108	0.0297		1,734.4524
Total	0.8384	5.5955	6.2392	0.0357	2.7977	0.0204	2.8181	0.7536	0.0190	0.7727		3,745.2189	3,745.2189	0.1848		3,749.8376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.6855	0.3361	4.3037	0.0174	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,733.7108	1,733.7108	0.0297		1,734.4524
Total	0.8384	5.5955	6.2392	0.0357	2.7977	0.0204	2.8181	0.7536	0.0190	0.7727		3,745.2189	3,745.2189	0.1848		3,749.8376

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9493	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9493	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909
Total	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909
Total	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839
Total	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839
Total	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839

3.8 Apron concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003	122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003	122.9209

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Unmitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Unmitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 PA - Orange County, Summer

**JWA Phase 14 PA
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	23.87	1000sqft	0.55	23,868.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and RON estimate

Demolition -

Area Coating - * Defined in project schedule and RON estimate

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_Parking	1432	23866
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00
tblConstructionPhase	PhaseEndDate	8/16/2024	10/24/2024
tblConstructionPhase	PhaseEndDate	8/14/2024	10/16/2024
tblConstructionPhase	PhaseStartDate	8/15/2024	10/16/2024
tblConstructionPhase	PhaseStartDate	8/14/2024	8/6/2024
tblTripsAndVMT	HaulingTripNumber	109.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8084	10.7531	15.1153	0.0259	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,446.9067	2,446.9067	0.5146	0.0000	2,459.7708
Maximum	1.8084	10.7531	15.1153	0.0259	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,446.9067	2,446.9067	0.5146	0.0000	2,459.7708

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2024	1.8084	10.7531	15.1153	0.0259	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,446.9067	2,446.9067	0.5146	0.0000	2,459.7708
Maximum	1.8084	10.7531	15.1153	0.0259	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,446.9067	2,446.9067	0.5146	0.0000	2,459.7708

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0390	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0390	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
New Marking - 14	Air Compressors	1	6.00	78	0.48
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
New Marking - 14	Concrete/Industrial Saws	0		81	0.73

East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Graders	0		187	0.41
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
New Marking - 14	Rubber Tired Dozers	0		247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3493	0.0000	2.3493	0.3557	0.0000	0.3557			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.3493	0.2504	2.5997	0.3557	0.2392	0.5949		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3493	0.0000	2.3493	0.3557	0.0000	0.3557			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.3493	0.2504	2.5997	0.3557	0.2392	0.5949	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6181	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6181	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Unmitigated	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0303					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Total	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0303					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Total	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 PA - Orange County, Winter

**JWA Phase 14 PA
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	23.87	1000sqft	0.55	23,868.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and RON estimate

Demolition -

Area Coating - * Defined in project schedule and RON estimate

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_Parking	1432	23866
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00
tblConstructionPhase	PhaseEndDate	8/16/2024	10/24/2024
tblConstructionPhase	PhaseEndDate	8/14/2024	10/16/2024
tblConstructionPhase	PhaseStartDate	8/15/2024	10/16/2024
tblConstructionPhase	PhaseStartDate	8/14/2024	8/6/2024
tblTripsAndVMT	HaulingTripNumber	109.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8172	10.7576	15.0595	0.0258	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,432.9019	2,432.9019	0.5143	0.0000	2,445.7595
Maximum	1.8172	10.7576	15.0595	0.0258	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,432.9019	2,432.9019	0.5143	0.0000	2,445.7595

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2024	1.8172	10.7576	15.0595	0.0258	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,432.9019	2,432.9019	0.5143	0.0000	2,445.7595
Maximum	1.8172	10.7576	15.0595	0.0258	2.6622	0.4952	3.1574	0.4387	0.4678	0.9065	0.0000	2,432.9019	2,432.9019	0.5143	0.0000	2,445.7595

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0390	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0390	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
New Marking - 14	Air Compressors	1	6.00	78	0.48
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
New Marking - 14	Concrete/Industrial Saws	0		81	0.73

East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Graders	0		187	0.41
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
New Marking - 14	Rubber Tired Dozers	0		247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3493	0.0000	2.3493	0.3557	0.0000	0.3557			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.3493	0.2504	2.5997	0.3557	0.2392	0.5949		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3493	0.0000	2.3493	0.3557	0.0000	0.3557			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.3493	0.2504	2.5997	0.3557	0.2392	0.5949	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6181	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003	159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003	159.4843

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6181	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Unmitigated	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0303					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Total	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0303					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Total	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 PA - Orange County, Summer

JWA Phase 15 PA
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	191.81	1000sqft	4.40	191,808.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating -

Area Coating - * Defined in project schedule and RON estimate

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11508	191807
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	64.00
tblConstructionPhase	PhaseEndDate	2/12/2110	1/14/2026
tblConstructionPhase	PhaseEndDate	12/14/2067	1/13/2026
tblConstructionPhase	PhaseStartDate	12/15/2067	1/14/2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0585	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	53.5555	7.5598	12.6093	0.0207	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	53.5555	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2025	1.0585	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	53.5555	7.5598	12.6093	0.0207	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	53.5555	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3133	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3133	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	10/16/2025	1/13/2026	5	64	
2	New Marking - 15	Architectural Coating	1/14/2026	1/14/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.4

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,508

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38

Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.3396					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.5104	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108
Total	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Archit. Coating	53.3396				0.0000	0.0000		0.0000	0.0000		0.0000		0.0000		0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003	0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.5104	1.1455	1.8091	2.9700e-003	0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108
Total	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Unmitigated	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 PA - Orange County, Winter

JWA Phase 15 PA
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	191.81	1000sqft	4.40	191,808.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating -

Area Coating - * Defined in project schedule and RON estimate

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11508	191807
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	64.00
tblConstructionPhase	PhaseEndDate	2/12/2110	1/14/2026
tblConstructionPhase	PhaseEndDate	12/14/2067	1/13/2026
tblConstructionPhase	PhaseStartDate	12/15/2067	1/14/2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0671	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184
2026	53.5622	7.5625	12.5737	0.0206	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,969.2203	1,969.2203	0.5699	0.0000	1,983.4686
Maximum	53.5622	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2025	1.0671	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184
2026	53.5622	7.5625	12.5737	0.0206	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,969.2203	1,969.2203	0.5699	0.0000	1,983.4686
Maximum	53.5622	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3133	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3133	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	10/16/2025	1/13/2026	5	64	
2	New Marking - 15	Architectural Coating	1/14/2026	1/14/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.4

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,508

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38

Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.3396					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.5104	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003		131.1157
Total	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003		131.1157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Archit. Coating	53.3396				0.0000	0.0000		0.0000	0.0000		0.0000		0.0000		0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003	0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.5104	1.1455	1.8091	2.9700e-003	0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003		131.1157
Total	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003		131.1157

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Unmitigated	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.3133	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 ALT1 - Orange County, Summer

**JWA Phase 1 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	33.00	1000sqft	0.76	33,000.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	78.46	1000sqft	1.80	78,462.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	78,460.00	78,462.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.1172	82.1024	73.9881	0.1443	9.0537	4.3054	12.2135	1.6161	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920
Maximum	9.1172	82.1024	73.9881	0.1443	9.0537	4.3054	12.2135	1.6161	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.1172	82.1024	73.9881	0.1443	4.7897	4.3054	7.9495	0.9704	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920
Maximum	9.1172	82.1024	73.9881	0.1443	4.7897	4.3054	7.9495	0.9704	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	47.10	0.00	34.91	39.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Total	2.6308	4.6531	15.0426	0.0556	4.6475	0.0729	4.7204	1.2428	0.0696	1.3124		5,793.9012	5,793.9012	0.2326	5.8600e-003	5,801.4609

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Total	2.6308	4.6531	15.0426	0.0556	4.6475	0.0729	4.7204	1.2428	0.0696	1.3124		5,793.9012	5,793.9012	0.2326	5.8600e-003	5,801.4609

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	2/15/2019	5	27	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 1	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 1	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 1	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 1		6	15.00	0.00	872.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1		9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of FBO - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9903	0.0000	6.9903	1.0584	0.0000	1.0584			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	6.9903	1.7949	8.7852	1.0584	1.6697	2.7281		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2685	9.5731	2.2950	0.0251	0.5624	0.0368	0.5991	0.1540	0.0352	0.1891		2,785.7901	2,785.7901	0.2908		2,793.0606
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Total	0.3303	9.6137	2.8301	0.0268	0.7300	0.0379	0.7679	0.1984	0.0362	0.2346		2,954.711	2,954.7112	0.2950		2,962.085
												2				4

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7262	0.0000	2.7262	0.4128	0.0000	0.4128			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.7262	1.7949	4.5211	0.4128	1.6697	2.0824	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2685	9.5731	2.2950	0.0251	0.5624	0.0368	0.5991	0.1540	0.0352	0.1891		2,785.7901	2,785.7901	0.2908		2,793.0606
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.3303	9.6137	2.8301	0.0268	0.7300	0.0379	0.7679	0.1984	0.0362	0.2346		2,954.7112	2,954.7112	0.2950		2,962.0854

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003	1,064.5786	1,064.5786	0.0899		1,066.8254	
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942	1,092.3561	1,092.3561	0.0269		1,093.0275	
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945	2,156.9347	2,156.9347	0.1167		2,159.8529	

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141			2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141			2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834

Unmitigated	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	363.99	81.18	34.65	890,863	890,863
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	594.00	124.74	57.09	1,660,150	1,660,150

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
NaturalGas Unmitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	826.356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.826356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Unmitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Consumer Products	1.3681					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005			9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004	0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005			9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004	0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	1.3681						0.0000	0.0000		0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000			9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004	0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000			9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004	0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 ALT1 - Orange County, Winter

**JWA Phase 1 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	33.00	1000sqft	0.76	33,000.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	78.46	1000sqft	1.80	78,462.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	78,460.00	78,462.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.2480	82.1718	73.6245	0.1425	9.0537	4.3065	12.2149	1.6161	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406
Maximum	9.2480	82.1718	73.6245	0.1425	9.0537	4.3065	12.2149	1.6161	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.2480	82.1718	73.6245	0.1425	4.7897	4.3065	7.9508	0.9704	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406
Maximum	9.2480	82.1718	73.6245	0.1425	4.7897	4.3065	7.9508	0.9704	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	47.10	0.00	34.91	39.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Total	2.6150	4.7988	14.3520	0.0532	4.6475	0.0731	4.7206	1.2428	0.0698	1.3126		5,549.7105	5,549.7105	0.2310	5.8600e-003	5,557.2321

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Total	2.6150	4.7988	14.3520	0.0532	4.6475	0.0731	4.7206	1.2428	0.0698	1.3126		5,549.7105	5,549.7105	0.2310	5.8600e-003	5,557.2321

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	2/15/2019	5	27	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting 1	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting 1	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting 1	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 1		6	15.00	0.00	872.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1		9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of FBO - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9903	0.0000	6.9903	1.0584	0.0000	1.0584			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	6.9903	1.7949	8.7852	1.0584	1.6697	2.7281		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2755	9.6990	2.4296	0.0247	0.5624	0.0376	0.6000	0.1540	0.0360	0.1899		2,744.5084	2,744.5084	0.2983		2,751.9659
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Total	0.3452	9.7435	2.9250	0.0263	0.7300	0.0387	0.7687	0.1984	0.0370	0.2354		2,904.3745	2,904.3745	0.3022		2,911.9305
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.7262	0.0000	2.7262	0.4128	0.0000	0.4128			0.0000				0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618			3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.7262	1.7949	4.5211	0.4128	1.6697	2.0824	0.0000	3,816.8994	3,816.8994	1.0618			3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.2755	9.6990	2.4296	0.0247	0.5624	0.0376	0.6000	0.1540	0.0360	0.1899		2,744.5084	2,744.5084	0.2983			2,751.9659
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003			159.9645
Total	0.3452	9.7435	2.9250	0.0263	0.7300	0.0387	0.7687	0.1984	0.0370	0.2354		2,904.3745	2,904.3745	0.3022			2,911.9305

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946			1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255			1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201			2,075.5875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313			2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313			2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009	1,038.7850	1,038.7850	0.0946		1,041.1503	
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942	1,033.8005	1,033.8005	0.0255		1,034.4372	
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951	2,072.5855	2,072.5855	0.1201		2,075.5875	

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546

Unmitigated	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.135	5,230.1353	0.2248		5,235.754
												3				6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	363.99	81.18	34.65	890,863	890,863
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	594.00	124.74	57.09	1,660,150	1,660,150

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
NaturalGas Unmitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	826.356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.826356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Unmitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Consumer Products	1.3681					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005			9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004	0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005			9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004	0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	1.3681						0.0000	0.0000		0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000			9.0000e-005	9.0000e-005		9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000			9.0000e-005	9.0000e-005		9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B ALT1 - Orange County, Summer

**JWA Phases 1A-1B ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	43.04	1000sqft	0.99	43,038.00	0
Other Non-Asphalt Surfaces	48.38	1000sqft	1.11	48,384.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - * Defined in project schedule or ROM estimate

Area Coating -

Construction Off-road Equipment Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	5485	6301
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	10.00	32.00
tblLandUse	LandUseSquareFeet	43,040.00	43,038.00
tblLandUse	LandUseSquareFeet	48,380.00	48,384.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.7358	78.2019	50.9010	0.0931	9.4766	4.1192	13.5958	4.0047	3.8094	7.8141	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6990
2020	4.1743	43.7186	30.6958	0.0542	8.0205	2.1488	10.1693	3.6336	1.9929	5.6265	0.0000	5,292.9495	5,292.9495	1.2926	0.0000	5,325.2573
Maximum	7.7358	78.2019	50.9010	0.0931	9.4766	4.1192	13.5958	4.0047	3.8094	7.8141	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6990

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.7358	78.2019	50.9010	0.0931	4.8194	4.1192	8.9386	1.8506	3.8094	5.6599	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6989
2020	4.1743	43.7186	30.6958	0.0542	3.3633	2.1488	5.5121	1.4795	1.9929	3.4724	0.0000	5,292.9495	5,292.9495	1.2926	0.0000	5,325.2573
Maximum	7.7358	78.2019	50.9010	0.0931	4.8194	4.1192	8.9386	1.8506	3.8094	5.6599	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6989

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.23	0.00	39.19	56.40	0.00	32.05	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	10/16/2019	5	20	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area Pavement - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	
6	Construction of Tie-Down Area Pavement - 1B	Paving	2/27/2020	4/10/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Cement and Mortar Mixers	0		9	0.56
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Pavers	0		130	0.42
Demolition - 1A	Paving Equipment	0		132	0.36
Demolition - 1A	Rollers	0		80	0.38
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Subgrade - 1A	Concrete/Industrial Saws	0		81	0.73
Subgrade - 1A	Graders	1	8.00	187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Tie-Down Area PavementM - 1A	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area PavementM - 1A	Graders	0		187	0.41
Construction of Tie-Down Area PavementM - 1A	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area PavementM - 1A	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area PavementM - 1A	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area PavementM - 1A	Rubber Tired Dozers	0		247	0.40
Construction of Tie-Down Area PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Tie-Down Area PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Subgrade - 1B	Graders	1	8.00	187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00	247	0.40

Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00	9	0.56
Pavement - 1B	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00	132	0.36
Pavement - 1B	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pavement - 1B					

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	8	20.00	0.00	196.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	220.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pavement										

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1182	0.0000	2.1182	0.3207	0.0000	0.3207			0.0000			0.0000

Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324		3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	2.1182	1.7544	3.8726	0.3207	1.6324	1.9531		3,283.3453	3,283.3453	0.8930		3,305.6708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0815	2.9049	0.6964	7.6000e-003	0.1707	0.0112	0.1818	0.0467	0.0107	0.0574		845.3212	845.3212	0.0883		847.5273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		225.2281	225.2281	5.5400e-003		225.3665
Total	0.1639	2.9589	1.4099	9.8600e-003	0.3942	0.0126	0.4069	0.1060	0.0121	0.1181		1,070.5492	1,070.5492	0.0938		1,072.8938

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8261	0.0000	0.8261	0.1251	0.0000	0.1251			0.0000			0.0000
Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	0.8261	1.7544	2.5805	0.1251	1.6324	1.7575	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0815	2.9049	0.6964	7.6000e-003	0.1707	0.0112	0.1818	0.0467	0.0107	0.0574		845.3212	845.3212	0.0883		847.5273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		225.2281	225.2281	5.5400e-003		225.3665
Total	0.1639	2.9589	1.4099	9.8600e-003	0.3942	0.0126	0.4069	0.1060	0.0121	0.1181		1,070.5492	1,070.5492	0.0938		1,072.8938

3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800		3,424.8806	3,424.8806	1.0836		3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	6.5523	1.9348	8.4871	3.3675	1.7800	5.1475		3,424.8806	3,424.8806	1.0836		3,451.9705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	2.5554	1.9348	4.4902	1.3133	1.7800	3.0933	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000				0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011			2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0824	1.2863	2.3687	0.1639	1.2017	1.3656		2,360.7198	2,360.7198	0.6011			2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0416	1.4821	0.3553	3.8800e-003	0.1921	5.6900e-003	0.1978	0.0496	5.4400e-003	0.0551		431.2863	431.2863	0.0450			432.4119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003			146.4882
Total	0.0951	1.5172	0.8191	5.3500e-003	0.3374	6.6600e-003	0.3440	0.0882	6.3300e-003	0.0945		577.6846	577.6846	0.0486			578.9001

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	0.4222	1.2863	1.7084	0.0639	1.2017	1.2657	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0416	1.4821	0.3553	3.8800e-003	0.1921	5.6900e-003	0.1978	0.0496	5.4400e-003	0.0551		431.2863	431.2863	0.0450		432.4119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0951	1.5172	0.8191	5.3500e-003	0.3374	6.6600e-003	0.3440	0.0882	6.3300e-003	0.0945		577.6846	577.6846	0.0486		578.9001

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000

Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.0824	1.1525	2.2349	0.1639	1.0761	1.2400		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	1.3749	0.3474	3.8300e-003	0.1287	4.4500e-003	0.1331	0.0341	4.2600e-003	0.0383		426.5289	426.5289	0.0442		427.6343
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
Total	0.0877	1.4063	0.7729	5.2500e-003	0.2740	5.4100e-003	0.2794	0.0726	5.1400e-003	0.0777		568.2346	568.2346	0.0474		569.4207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	0.4222	1.1525	1.5746	0.0639	1.0761	1.1401	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	1.3749	0.3474	3.8300e-003	0.1287	4.4500e-003	0.1331	0.0341	4.2600e-003	0.0383		426.5289	426.5289	0.0442		427.6343
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
Total	0.0877	1.4063	0.7729	5.2500e-003	0.2740	5.4100e-003	0.2794	0.0726	5.1400e-003	0.0777		568.2346	568.2346	0.0474		569.4207

3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393
Total	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393
Total	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000

Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.5523	0.9902	7.5425	3.3675	0.9110	4.2784		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	2.5554	0.9902	3.5456	1.3133	0.9110	2.2243	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Unmitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B ALT1 - Orange County, Winter

JWA Phases 1A-1B ALT1
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	43.04	1000sqft	0.99	43,038.00	0
Other Non-Asphalt Surfaces	48.38	1000sqft	1.11	48,384.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - * Defined in project schedule or ROM estimate

Area Coating -

Construction Off-road Equipment Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	5485	6301
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	10.00	32.00
tblLandUse	LandUseSquareFeet	43,040.00	43,038.00
tblLandUse	LandUseSquareFeet	48,380.00	48,384.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.7817	78.2441	50.6969	0.0925	9.4766	4.1193	13.5959	4.0047	3.8095	7.8142	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948
2020	4.1867	43.7415	30.5927	0.0539	8.0205	2.1489	10.1694	3.6336	1.9930	5.6266	0.0000	5,257.8835	5,257.8835	1.2933	0.0000	5,290.2015
Maximum	7.7817	78.2441	50.6969	0.0925	9.4766	4.1193	13.5959	4.0047	3.8095	7.8142	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.7817	78.2441	50.6969	0.0925	4.8194	4.1193	8.9387	1.8506	3.8095	5.6601	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948
2020	4.1867	43.7415	30.5927	0.0539	3.3633	2.1489	5.5122	1.4795	1.9930	3.4725	0.0000	5,257.8835	5,257.8835	1.2933	0.0000	5,290.2015
Maximum	7.7817	78.2441	50.6969	0.0925	4.8194	4.1193	8.9387	1.8506	3.8095	5.6601	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.23	0.00	39.19	56.40	0.00	32.05	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	10/16/2019	5	20	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area Pavement - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	
6	Construction of Tie-Down Area Pavement - 1B	Paving	2/27/2020	4/10/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Cement and Mortar Mixers	0		9	0.56
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Pavers	0		130	0.42
Demolition - 1A	Paving Equipment	0		132	0.36
Demolition - 1A	Rollers	0		80	0.38
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Subgrade - 1A	Concrete/Industrial Saws	0		81	0.73
Subgrade - 1A	Graders	1	8.00	187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Tie-Down Area PavementM - 1A	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area PavementM - 1A	Graders	0		187	0.41
Construction of Tie-Down Area PavementM - 1A	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area PavementM - 1A	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area PavementM - 1A	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area PavementM - 1A	Rubber Tired Dozers	0		247	0.40
Construction of Tie-Down Area PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Tie-Down Area PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Subgrade - 1B	Graders	1	8.00	187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00	247	0.40

Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00	9	0.56
Pavement - 1B	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00	132	0.36
Pavement - 1B	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pavement - 1B					

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	8	20.00	0.00	196.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	220.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pavement										

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1182	0.0000	2.1182	0.3207	0.0000	0.3207			0.0000			0.0000

Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324		3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	2.1182	1.7544	3.8726	0.3207	1.6324	1.9531		3,283.3453	3,283.3453	0.8930		3,305.6708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0836	2.9431	0.7372	7.4900e-003	0.1707	0.0114	0.1821	0.0467	0.0109	0.0576		832.7947	832.7947	0.0905		835.0576
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		213.1547	213.1547	5.2500e-003		213.2860
Total	0.1766	3.0025	1.3978	9.6300e-003	0.3942	0.0129	0.4071	0.1060	0.0123	0.1183		1,045.9494	1,045.9494	0.0958		1,048.3436

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8261	0.0000	0.8261	0.1251	0.0000	0.1251			0.0000			0.0000
Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	0.8261	1.7544	2.5805	0.1251	1.6324	1.7575	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0836	2.9431	0.7372	7.4900e-003	0.1707	0.0114	0.1821	0.0467	0.0109	0.0576		832.7947	832.7947	0.0905		835.0576
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		213.1547	213.1547	5.2500e-003		213.2860
Total	0.1766	3.0025	1.3978	9.6300e-003	0.3942	0.0129	0.4071	0.1060	0.0123	0.1183		1,045.9494	1,045.9494	0.0958		1,048.3436

3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800		3,424.8806	3,424.8806	1.0836		3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	6.5523	1.9348	8.4871	3.3675	1.7800	5.1475		3,424.8806	3,424.8806	1.0836		3,451.9705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000				0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800	0.0000	3,424.8806	3,424.8806	1.0836			3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	2.5554	1.9348	4.4902	1.3133	1.7800	3.0933	0.0000	3,424.8806	3,424.8806	1.0836			3,451.9705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000				0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011			2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0824	1.2863	2.3687	0.1639	1.2017	1.3656		2,360.7198	2,360.7198	0.6011			2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0427	1.5016	0.3761	3.8200e-003	0.1921	5.8200e-003	0.1979	0.0496	5.5700e-003	0.0552		424.8952	424.8952	0.0462			426.0498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003			138.6359
Total	0.1031	1.5402	0.8055	5.2100e-003	0.3374	6.7900e-003	0.3442	0.0882	6.4600e-003	0.0946		563.4458	563.4458	0.0496			564.6857

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	0.4222	1.2863	1.7084	0.0639	1.2017	1.2657	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0427	1.5016	0.3761	3.8200e-003	0.1921	5.8200e-003	0.1979	0.0496	5.5700e-003	0.0552		424.8952	424.8952	0.0462		426.0498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1031	1.5402	0.8055	5.2100e-003	0.3374	6.7900e-003	0.3442	0.0882	6.4600e-003	0.0946		563.4458	563.4458	0.0496		564.6857

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000

Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.0824	1.1525	2.2349	0.1639	1.0761	1.2400		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0387	1.3922	0.3658	3.7700e-003	0.1287	4.5300e-003	0.1332	0.0341	4.3400e-003	0.0384		420.0900	420.0900	0.0453		421.2216
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873
Total	0.0952	1.4267	0.7591	5.1100e-003	0.2740	5.4900e-003	0.2795	0.0726	5.2200e-003	0.0778		554.2007	554.2007	0.0483		555.4088

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	0.4222	1.1525	1.5746	0.0639	1.0761	1.1401	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0387	1.3922	0.3658	3.7700e-003	0.1287	4.5300e-003	0.1332	0.0341	4.3400e-003	0.0384		420.0900	420.0900	0.0453		421.2216
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873
Total	0.0952	1.4267	0.7591	5.1100e-003	0.2740	5.4900e-003	0.2795	0.0726	5.2200e-003	0.0778		554.2007	554.2007	0.0483		555.4088

3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955
Total	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955
Total	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000

Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.5523	0.9902	7.5425	3.3675	0.9110	4.2784		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210
Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	2.5554	0.9902	3.5456	1.3133	0.9110	2.2243	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210
Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210

3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Unmitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 ALT1 - Orange County, Summer

**JWA Phase 2 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	124.20	1000sqft	2.85	124,200.00	0
Parking Lot	71.22	1000sqft	1.63	71,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	31063	33000
tblAreaCoating	Area_Nonresidential_Interior	93188	99000
tblAreaCoating	Area_Parking	11725	10378
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04

tbIFleetMix	LDT2	0.21	0.21
tbIFleetMix	LDT2	0.21	0.21
tbIFleetMix	LDT2	0.21	0.21
tbIFleetMix	LDT2	0.21	0.21
tbIFleetMix	LHD1	0.02	0.02
tbIFleetMix	LHD1	0.02	0.02
tbIFleetMix	LHD1	0.02	0.02
tbIFleetMix	LHD1	0.02	0.02
tbIFleetMix	LHD2	5.7910e-003	5.7950e-003
tbIFleetMix	LHD2	5.7910e-003	5.7950e-003
tbIFleetMix	LHD2	5.7910e-003	5.7950e-003
tbIFleetMix	LHD2	5.7910e-003	5.7950e-003
tbIFleetMix	MCY	4.8960e-003	4.8670e-003
tbIFleetMix	MCY	4.8960e-003	4.8670e-003
tbIFleetMix	MCY	4.8960e-003	4.8670e-003
tbIFleetMix	MCY	4.8960e-003	4.8670e-003
tbIFleetMix	MDV	0.11	0.12
tbIFleetMix	MDV	0.11	0.12
tbIFleetMix	MDV	0.11	0.12
tbIFleetMix	MDV	0.11	0.12
tbIFleetMix	MH	9.6600e-004	1.0020e-003
tbIFleetMix	MH	9.6600e-004	1.0020e-003
tbIFleetMix	MH	9.6600e-004	1.0020e-003
tbIFleetMix	MH	9.6600e-004	1.0020e-003
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	OBUS	1.7130e-003	1.6770e-003
tbIFleetMix	OBUS	1.7130e-003	1.6770e-003

tblFleetMix	OBUS	1.7130e-003	1.6770e-003
tblFleetMix	OBUS	1.7130e-003	1.6770e-003
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	71,220.00	71,217.00
tblSolidWaste	SolidWasteGenerationRate	27.09	30.69
tblVehicleEF	HHD	0.63	0.68
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	2.36	2.50
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	3.99	4.02
tblVehicleEF	HHD	4,116.44	4,165.36
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.04	21.32
tblVehicleEF	HHD	3.96	4.38
tblVehicleEF	HHD	19.26	19.32
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.57	0.60
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9200e-004	1.9100e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.68	0.72
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	HHD	0.59	0.64
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	1.72	1.82
tblVehicleEF	HHD	1.30	1.29
tblVehicleEF	HHD	3.80	3.83
tblVehicleEF	HHD	4,359.67	4,410.69
tblVehicleEF	HHD	1,683.99	1,705.02

tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.68	21.99
tblVehicleEF	HHD	3.75	4.15
tblVehicleEF	HHD	19.25	19.31
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.54	0.57
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8900e-004	1.8800e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.64	0.68
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.4900e-004	5.0200e-004

tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.68	0.73
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	3.25	3.44
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	4.03	4.06
tblVehicleEF	HHD	3,780.54	3,826.56
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	19.16	20.38
tblVehicleEF	HHD	3.89	4.31
tblVehicleEF	HHD	19.27	19.33
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.61	0.65
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.10	0.11

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9300e-004	1.9200e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.73	0.77
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	LDA	4.3340e-003	4.7780e-003
tblVehicleEF	LDA	5.1760e-003	5.9450e-003
tblVehicleEF	LDA	0.58	0.62
tblVehicleEF	LDA	1.10	1.22
tblVehicleEF	LDA	263.86	274.63
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6420e-003	2.7500e-003
tblVehicleEF	LDA	6.0200e-004	6.2500e-004

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	4.5760e-003	5.0430e-003
tblVehicleEF	LDA	4.6500e-003	5.3400e-003
tblVehicleEF	LDA	0.63	0.67
tblVehicleEF	LDA	0.95	1.06
tblVehicleEF	LDA	274.96	286.20
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	2.7540e-003	2.8670e-003
tblVehicleEF	LDA	5.9900e-004	6.2300e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	4.2520e-003	4.6870e-003
tblVehicleEF	LDA	5.2830e-003	6.0690e-003
tblVehicleEF	LDA	0.56	0.60
tblVehicleEF	LDA	1.13	1.26
tblVehicleEF	LDA	259.76	270.36
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6010e-003	2.7070e-003
tblVehicleEF	LDA	6.0200e-004	6.2600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDT1	9.9920e-003	0.01
tblVehicleEF	LDT1	0.01	0.02

tblVehicleEF	LDT1	1.19	1.30
tblVehicleEF	LDT1	2.74	3.03
tblVehicleEF	LDT1	324.21	333.96
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	3.2560e-003	3.3550e-003
tblVehicleEF	LDT1	7.6600e-004	7.8900e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.28	1.40
tblVehicleEF	LDT1	2.36	2.61
tblVehicleEF	LDT1	337.31	347.44
tblVehicleEF	LDT1	71.81	73.56

tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	3.3880e-003	3.4910e-003
tblVehicleEF	LDT1	7.5900e-004	7.8100e-004
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	9.8200e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.16	1.26
tblVehicleEF	LDT1	2.82	3.12
tblVehicleEF	LDT1	319.38	328.99
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003

tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.19	0.22
tblVehicleEF	LDT1	3.2070e-003	3.3050e-003
tblVehicleEF	LDT1	7.6700e-004	7.9000e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT2	5.7840e-003	6.2570e-003
tblVehicleEF	LDT2	6.6620e-003	7.5390e-003
tblVehicleEF	LDT2	0.74	0.79
tblVehicleEF	LDT2	1.41	1.57
tblVehicleEF	LDT2	369.26	381.95
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6980e-003	3.8250e-003
tblVehicleEF	LDT2	8.4100e-004	8.6900e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	6.1050e-003	6.6030e-003
tblVehicleEF	LDT2	5.9960e-003	6.7840e-003
tblVehicleEF	LDT2	0.80	0.86
tblVehicleEF	LDT2	1.22	1.36
tblVehicleEF	LDT2	384.42	397.64
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.08	0.09

tblVehicleEF	LDT2	3.8500e-003	3.9830e-003
tblVehicleEF	LDT2	8.3800e-004	8.6500e-004
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	5.6750e-003	6.1400e-003
tblVehicleEF	LDT2	6.7900e-003	7.6940e-003
tblVehicleEF	LDT2	0.72	0.76
tblVehicleEF	LDT2	1.45	1.61
tblVehicleEF	LDT2	363.66	376.16
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6420e-003	3.7670e-003
tblVehicleEF	LDT2	8.4100e-004	8.7000e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.78	0.86
tblVehicleEF	LHD1	2.55	2.73
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.27	1.37
tblVehicleEF	LHD1	1.04	1.09
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.28	0.28

tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7900e-004	3.9400e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.79	0.87
tblVehicleEF	LHD1	2.44	2.61
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.19	1.29
tblVehicleEF	LHD1	1.00	1.04
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004

tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.26	0.28
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7700e-004	3.9200e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.28	0.30
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.77	0.86
tblVehicleEF	LHD1	2.56	2.74
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.24	1.34
tblVehicleEF	LHD1	1.05	1.10
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.8000e-004	3.9400e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2710e-003	4.8900e-003
tblVehicleEF	LHD2	9.4470e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.51
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61

tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.87	1.00
tblVehicleEF	LHD2	0.60	0.65
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.3220e-003	4.9510e-003

tblVehicleEF	LHD2	9.1410e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.37	0.42
tblVehicleEF	LHD2	1.32	1.45
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.82	0.95
tblVehicleEF	LHD2	0.58	0.63
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.0900e-004	3.2200e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2570e-003	4.8740e-003
tblVehicleEF	LHD2	9.5090e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.52
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.85	0.99
tblVehicleEF	LHD2	0.61	0.66
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.11

tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.61	18.92
tblVehicleEF	MCY	9.56	9.54
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.38	2.40
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.05	2.07
tblVehicleEF	MCY	2.1510e-003	2.1490e-003
tblVehicleEF	MCY	6.7000e-004	6.7400e-004

tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.95	2.97
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.24	2.25
tblVehicleEF	MCY	0.47	0.47
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	17.91	18.20
tblVehicleEF	MCY	8.81	8.80
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	1.85	1.86
tblVehicleEF	MCY	2.1380e-003	2.1360e-003
tblVehicleEF	MCY	6.5100e-004	6.5500e-004
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.89	2.89

tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	2.01	2.02
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.72	19.03
tblVehicleEF	MCY	9.67	9.65
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.39	2.41
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.09	2.11
tblVehicleEF	MCY	2.1530e-003	2.1510e-003
tblVehicleEF	MCY	6.7300e-004	6.7700e-004
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.97	2.98
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.28	2.29
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.02

tblVehicleEF	MDV	1.26	1.39
tblVehicleEF	MDV	2.62	2.88
tblVehicleEF	MDV	500.02	514.66
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.24	0.27
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	5.0080e-003	5.1570e-003
tblVehicleEF	MDV	1.1270e-003	1.1610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	1.36	1.50
tblVehicleEF	MDV	2.27	2.50
tblVehicleEF	MDV	519.96	535.20
tblVehicleEF	MDV	108.15	111.00

tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.23	0.26
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.18	0.20
tblVehicleEF	MDV	5.2090e-003	5.3640e-003
tblVehicleEF	MDV	1.1210e-003	1.1540e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.23	1.35
tblVehicleEF	MDV	2.69	2.96
tblVehicleEF	MDV	492.66	507.08
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.13	0.15
tblVehicleEF	MDV	0.25	0.28
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003

tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.23
tblVehicleEF	MDV	4.9340e-003	5.0800e-003
tblVehicleEF	MDV	1.1290e-003	1.1620e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.15	2.58
tblVehicleEF	MH	5.50	5.94
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.43	1.52
tblVehicleEF	MH	0.78	0.81
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	0.95	1.02

tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7000e-004	6.9200e-004
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.39
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.21	2.62
tblVehicleEF	MH	5.21	5.63
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.33	1.41
tblVehicleEF	MH	0.75	0.78
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.09	0.10

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.31	0.34
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.6500e-004	6.8600e-004
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.34	0.38
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.13	2.56
tblVehicleEF	MH	5.54	5.98
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.40	1.49
tblVehicleEF	MH	0.79	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	6.7100e-004	6.9200e-004
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.40
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2090e-003	7.0470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.36	0.43
tblVehicleEF	MHD	0.33	0.52
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tblVehicleEF	MHD	141.40	144.07
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
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tblVehicleEF	MHD	10.59	10.60
tblVehicleEF	MHD	2.3000e-004	2.6680e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.2000e-004	2.5520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.04	0.09

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.3610e-003	1.3870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.2900e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.41	0.45
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2610e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.26	0.32
tblVehicleEF	MHD	0.34	0.52
tblVehicleEF	MHD	5.83	6.33
tblVehicleEF	MHD	149.77	152.59
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
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tblVehicleEF	MHD	1.12	1.81
tblVehicleEF	MHD	10.55	10.56
tblVehicleEF	MHD	1.9400e-004	2.2490e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	1.8500e-004	2.1520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004

tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.36	0.39
tblVehicleEF	MHD	1.4400e-003	1.4670e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0900e-004	7.2300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.40	0.43
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1930e-003	7.0270e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.50	0.60
tblVehicleEF	MHD	0.33	0.51
tblVehicleEF	MHD	6.17	6.70
tblVehicleEF	MHD	129.83	132.28
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.52	0.87
tblVehicleEF	MHD	1.16	1.88
tblVehicleEF	MHD	10.60	10.61
tblVehicleEF	MHD	2.8000e-004	3.2460e-003

tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.6800e-004	3.1060e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.2520e-003	1.2760e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1500e-004	7.3000e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.05	0.11
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tblVehicleEF	MHD	0.42	0.45
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tblVehicleEF	OBUS	8.4360e-003	9.6820e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	0.58	0.66
tblVehicleEF	OBUS	5.60	5.92
tblVehicleEF	OBUS	84.68	84.60
tblVehicleEF	OBUS	1,226.51	1,232.54

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tblVehicleEF	OBUS	2.11	2.16
tblVehicleEF	OBUS	1.4500e-004	2.1500e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
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tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	8.0700e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	0.26	0.27

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tblVehicleEF	OBUS	88.70	88.61
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.43	0.48
tblVehicleEF	OBUS	1.35	1.62
tblVehicleEF	OBUS	2.08	2.12
tblVehicleEF	OBUS	1.2200e-004	1.8100e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.1700e-004	1.7400e-004
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tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	7.9100e-004	8.0100e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
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tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04

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tblVehicleEF	OBUS	8.3930e-003	9.6320e-003
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tblVehicleEF	OBUS	1,226.51	1,232.54
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tblVehicleEF	OBUS	2.12	2.17
tblVehicleEF	OBUS	1.7600e-004	2.6200e-004
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tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
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tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
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tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.05
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tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.16	8.02
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tblVehicleEF	SBUS	1,131.05	1,146.39
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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
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tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0800e-004	7.0000e-004
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tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
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tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
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tblVehicleEF	SBUS	0.50	0.52
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tblVehicleEF	SBUS	0.02	0.02
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tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
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tblVehicleEF	SBUS	0.56	0.58
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.96	9.40
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tblVehicleEF	UBUS	13.49	13.69
tblVehicleEF	UBUS	0.53	0.54
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tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
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tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.96	0.97
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5700e-003	1.5510e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	2.52	2.69
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	1.06
tblVehicleEF	UBUS	1.94	2.06
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	9.02	9.46
tblVehicleEF	UBUS	11.63	11.79
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11

tblVehicleEF	UBUS	4.53	5.12
tblVehicleEF	UBUS	13.42	13.62
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	0.53	0.58
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.89	0.90
tblVehicleEF	UBUS	8.6450e-003	8.7590e-003
tblVehicleEF	UBUS	1.5430e-003	1.5230e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	2.53	2.70
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.95	9.39
tblVehicleEF	UBUS	13.46	13.64
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.73	5.34
tblVehicleEF	UBUS	13.51	13.71

tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	0.52	0.57
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5750e-003	1.5550e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	2.52	2.68
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.07	1.08
tblWater	IndoorWaterUseRate	5,177,384.08	5,865,213.68
tblWater	OutdoorWaterUseRate	3,173,235.40	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2020	8.8015	85.1188	66.1987	0.1500	6.6642	3.9688	10.6330	1.4013	3.7147	5.1160	0.0000	14,902.44 30	14,902.443 0	2.6805	0.0000	14,969.45 41
Maximum	8.8015	85.1188	66.1987	0.1500	6.6642	3.9688	10.6330	1.4013	3.7147	5.1160	0.0000	14,902.44 30	14,902.443 0	2.6805	0.0000	14,969.45 41

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.8015	85.1188	66.1987	0.1500	4.6247	3.9688	8.5936	1.0925	3.7147	4.8072	0.0000	14,902.44 30	14,902.443 0	2.6805	0.0000	14,969.45 41
Maximum	8.8015	85.1188	66.1987	0.1500	4.6247	3.9688	8.5936	1.0925	3.7147	4.8072	0.0000	14,902.44 30	14,902.443 0	2.6805	0.0000	14,969.45 41

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	30.60	0.00	19.18	22.04	0.00	6.04	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122
Total	2.4899	4.3549	14.0880	0.0521	4.3558	0.0688	4.4246	1.1648	0.0658	1.2306		5,437.1799	5,437.1799	0.2179	5.6500e-003	5,444.3104

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122
Total	2.4899	4.3549	14.0880	0.0521	4.3558	0.0688	4.4246	1.1648	0.0658	1.2306		5,437.1799	5,437.1799	0.2179	5.6500e-003	5,444.3104

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 2		6	15.00	0.00	711.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2		9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2		9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 2		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3434	0.0000	3.3434	0.5062	0.0000	0.5062			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	3.3434	1.6587	5.0021	0.5062	1.5419	2.0481		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.1167	4.2501	1.0739	0.0118	0.2691	0.0138	0.2829	0.0737	0.0132	0.0868	1,318.5308	1,318.5308	0.1367		1,321.9477
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003		163.5997
Total	0.1744	4.2864	1.5649	0.0135	0.4368	0.0149	0.4517	0.1181	0.0142	0.1323	1,482.0373	1,482.0373	0.1404		1,485.5474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3039	0.0000	1.3039	0.1974	0.0000	0.1974			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.3039	1.6587	2.9626	0.1974	1.5419	1.7393	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1167	4.2501	1.0739	0.0118	0.2691	0.0138	0.2829	0.0737	0.0132	0.0868	1,318.5308	1,318.5308	0.1367			1,321.9477
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003			163.5997

Total	0.1744	4.2864	1.5649	0.0135	0.4368	0.0149	0.4517	0.1181	0.0142	0.1323		1,482.0373	1,482.0373	0.1404		1,485.5474
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3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
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3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122
Unmitigated	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Unmitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 ALT1 - Orange County, Winter

**JWA Phase 2 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	124.20	1000sqft	2.85	124,200.00	0
Parking Lot	71.22	1000sqft	1.63	71,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	31063	33000
tblAreaCoating	Area_Nonresidential_Interior	93188	99000
tblAreaCoating	Area_Parking	11725	10378
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04

tbFleetMix	LDT2	0.21	0.21
tbFleetMix	LDT2	0.21	0.21
tbFleetMix	LDT2	0.21	0.21
tbFleetMix	LDT2	0.21	0.21
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003

tblFleetMix	OBUS	1.7130e-003	1.6770e-003
tblFleetMix	OBUS	1.7130e-003	1.6770e-003
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	SBUS	5.9000e-004	5.8600e-004
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	71,220.00	71,217.00
tblSolidWaste	SolidWasteGenerationRate	27.09	30.69
tblVehicleEF	HHD	0.63	0.68
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	2.36	2.50
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	3.99	4.02
tblVehicleEF	HHD	4,116.44	4,165.36
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.04	21.32
tblVehicleEF	HHD	3.96	4.38
tblVehicleEF	HHD	19.26	19.32
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.57	0.60
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9200e-004	1.9100e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.68	0.72
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	HHD	0.59	0.64
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	1.72	1.82
tblVehicleEF	HHD	1.30	1.29
tblVehicleEF	HHD	3.80	3.83
tblVehicleEF	HHD	4,359.67	4,410.69
tblVehicleEF	HHD	1,683.99	1,705.02

tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.68	21.99
tblVehicleEF	HHD	3.75	4.15
tblVehicleEF	HHD	19.25	19.31
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.54	0.57
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8900e-004	1.8800e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.64	0.68
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.4900e-004	5.0200e-004

tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.68	0.73
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	3.25	3.44
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	4.03	4.06
tblVehicleEF	HHD	3,780.54	3,826.56
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	19.16	20.38
tblVehicleEF	HHD	3.89	4.31
tblVehicleEF	HHD	19.27	19.33
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.61	0.65
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.10	0.11

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9300e-004	1.9200e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.73	0.77
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	LDA	4.3340e-003	4.7780e-003
tblVehicleEF	LDA	5.1760e-003	5.9450e-003
tblVehicleEF	LDA	0.58	0.62
tblVehicleEF	LDA	1.10	1.22
tblVehicleEF	LDA	263.86	274.63
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6420e-003	2.7500e-003
tblVehicleEF	LDA	6.0200e-004	6.2500e-004

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	4.5760e-003	5.0430e-003
tblVehicleEF	LDA	4.6500e-003	5.3400e-003
tblVehicleEF	LDA	0.63	0.67
tblVehicleEF	LDA	0.95	1.06
tblVehicleEF	LDA	274.96	286.20
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	2.7540e-003	2.8670e-003
tblVehicleEF	LDA	5.9900e-004	6.2300e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	4.2520e-003	4.6870e-003
tblVehicleEF	LDA	5.2830e-003	6.0690e-003
tblVehicleEF	LDA	0.56	0.60
tblVehicleEF	LDA	1.13	1.26
tblVehicleEF	LDA	259.76	270.36
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6010e-003	2.7070e-003
tblVehicleEF	LDA	6.0200e-004	6.2600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDT1	9.9920e-003	0.01
tblVehicleEF	LDT1	0.01	0.02

tblVehicleEF	LDT1	1.19	1.30
tblVehicleEF	LDT1	2.74	3.03
tblVehicleEF	LDT1	324.21	333.96
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	3.2560e-003	3.3550e-003
tblVehicleEF	LDT1	7.6600e-004	7.8900e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.28	1.40
tblVehicleEF	LDT1	2.36	2.61
tblVehicleEF	LDT1	337.31	347.44
tblVehicleEF	LDT1	71.81	73.56

tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	3.3880e-003	3.4910e-003
tblVehicleEF	LDT1	7.5900e-004	7.8100e-004
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	9.8200e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.16	1.26
tblVehicleEF	LDT1	2.82	3.12
tblVehicleEF	LDT1	319.38	328.99
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003

tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.19	0.22
tblVehicleEF	LDT1	3.2070e-003	3.3050e-003
tblVehicleEF	LDT1	7.6700e-004	7.9000e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT2	5.7840e-003	6.2570e-003
tblVehicleEF	LDT2	6.6620e-003	7.5390e-003
tblVehicleEF	LDT2	0.74	0.79
tblVehicleEF	LDT2	1.41	1.57
tblVehicleEF	LDT2	369.26	381.95
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6980e-003	3.8250e-003
tblVehicleEF	LDT2	8.4100e-004	8.6900e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	6.1050e-003	6.6030e-003
tblVehicleEF	LDT2	5.9960e-003	6.7840e-003
tblVehicleEF	LDT2	0.80	0.86
tblVehicleEF	LDT2	1.22	1.36
tblVehicleEF	LDT2	384.42	397.64
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.08	0.09

tblVehicleEF	LDT2	3.8500e-003	3.9830e-003
tblVehicleEF	LDT2	8.3800e-004	8.6500e-004
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	5.6750e-003	6.1400e-003
tblVehicleEF	LDT2	6.7900e-003	7.6940e-003
tblVehicleEF	LDT2	0.72	0.76
tblVehicleEF	LDT2	1.45	1.61
tblVehicleEF	LDT2	363.66	376.16
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6420e-003	3.7670e-003
tblVehicleEF	LDT2	8.4100e-004	8.7000e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.78	0.86
tblVehicleEF	LHD1	2.55	2.73
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.27	1.37
tblVehicleEF	LHD1	1.04	1.09
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.28	0.28

tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7900e-004	3.9400e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.79	0.87
tblVehicleEF	LHD1	2.44	2.61
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.19	1.29
tblVehicleEF	LHD1	1.00	1.04
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004

tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.26	0.28
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7700e-004	3.9200e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.28	0.30
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.77	0.86
tblVehicleEF	LHD1	2.56	2.74
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.24	1.34
tblVehicleEF	LHD1	1.05	1.10
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.8000e-004	3.9400e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2710e-003	4.8900e-003
tblVehicleEF	LHD2	9.4470e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.51
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61

tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.87	1.00
tblVehicleEF	LHD2	0.60	0.65
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.3220e-003	4.9510e-003

tblVehicleEF	LHD2	9.1410e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.37	0.42
tblVehicleEF	LHD2	1.32	1.45
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.82	0.95
tblVehicleEF	LHD2	0.58	0.63
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.0900e-004	3.2200e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2570e-003	4.8740e-003
tblVehicleEF	LHD2	9.5090e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.52
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.85	0.99
tblVehicleEF	LHD2	0.61	0.66
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.11

tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.61	18.92
tblVehicleEF	MCY	9.56	9.54
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.38	2.40
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.05	2.07
tblVehicleEF	MCY	2.1510e-003	2.1490e-003
tblVehicleEF	MCY	6.7000e-004	6.7400e-004

tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.95	2.97
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.24	2.25
tblVehicleEF	MCY	0.47	0.47
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	17.91	18.20
tblVehicleEF	MCY	8.81	8.80
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	1.85	1.86
tblVehicleEF	MCY	2.1380e-003	2.1360e-003
tblVehicleEF	MCY	6.5100e-004	6.5500e-004
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.89	2.89

tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	2.01	2.02
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.72	19.03
tblVehicleEF	MCY	9.67	9.65
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.39	2.41
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.09	2.11
tblVehicleEF	MCY	2.1530e-003	2.1510e-003
tblVehicleEF	MCY	6.7300e-004	6.7700e-004
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.97	2.98
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.28	2.29
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.02

tblVehicleEF	MDV	1.26	1.39
tblVehicleEF	MDV	2.62	2.88
tblVehicleEF	MDV	500.02	514.66
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.24	0.27
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	5.0080e-003	5.1570e-003
tblVehicleEF	MDV	1.1270e-003	1.1610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	1.36	1.50
tblVehicleEF	MDV	2.27	2.50
tblVehicleEF	MDV	519.96	535.20
tblVehicleEF	MDV	108.15	111.00

tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.23	0.26
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.18	0.20
tblVehicleEF	MDV	5.2090e-003	5.3640e-003
tblVehicleEF	MDV	1.1210e-003	1.1540e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.23	1.35
tblVehicleEF	MDV	2.69	2.96
tblVehicleEF	MDV	492.66	507.08
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.13	0.15
tblVehicleEF	MDV	0.25	0.28
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003

tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.23
tblVehicleEF	MDV	4.9340e-003	5.0800e-003
tblVehicleEF	MDV	1.1290e-003	1.1620e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.15	2.58
tblVehicleEF	MH	5.50	5.94
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.43	1.52
tblVehicleEF	MH	0.78	0.81
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	0.95	1.02

tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7000e-004	6.9200e-004
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.39
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.21	2.62
tblVehicleEF	MH	5.21	5.63
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.33	1.41
tblVehicleEF	MH	0.75	0.78
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.09	0.10

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.31	0.34
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.6500e-004	6.8600e-004
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.34	0.38
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.13	2.56
tblVehicleEF	MH	5.54	5.98
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.40	1.49
tblVehicleEF	MH	0.79	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	6.7100e-004	6.9200e-004
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.40
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2090e-003	7.0470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.36	0.43
tblVehicleEF	MHD	0.33	0.52
tblVehicleEF	MHD	6.12	6.64
tblVehicleEF	MHD	141.40	144.07
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.54	0.91
tblVehicleEF	MHD	1.18	1.91
tblVehicleEF	MHD	10.59	10.60
tblVehicleEF	MHD	2.3000e-004	2.6680e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.2000e-004	2.5520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.04	0.09

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.3610e-003	1.3870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.2900e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.41	0.45
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2610e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.26	0.32
tblVehicleEF	MHD	0.34	0.52
tblVehicleEF	MHD	5.83	6.33
tblVehicleEF	MHD	149.77	152.59
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.56	0.94
tblVehicleEF	MHD	1.12	1.81
tblVehicleEF	MHD	10.55	10.56
tblVehicleEF	MHD	1.9400e-004	2.2490e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	1.8500e-004	2.1520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004

tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.36	0.39
tblVehicleEF	MHD	1.4400e-003	1.4670e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0900e-004	7.2300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.40	0.43
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1930e-003	7.0270e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.50	0.60
tblVehicleEF	MHD	0.33	0.51
tblVehicleEF	MHD	6.17	6.70
tblVehicleEF	MHD	129.83	132.28
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.52	0.87
tblVehicleEF	MHD	1.16	1.88
tblVehicleEF	MHD	10.60	10.61
tblVehicleEF	MHD	2.8000e-004	3.2460e-003

tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.6800e-004	3.1060e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.2520e-003	1.2760e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1500e-004	7.3000e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.42	0.45
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.4360e-003	9.6820e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	0.58	0.66
tblVehicleEF	OBUS	5.60	5.92
tblVehicleEF	OBUS	84.68	84.60
tblVehicleEF	OBUS	1,226.51	1,232.54

tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.42	0.47
tblVehicleEF	OBUS	1.44	1.72
tblVehicleEF	OBUS	2.11	2.16
tblVehicleEF	OBUS	1.4500e-004	2.1500e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.3900e-004	2.0600e-004
tblVehicleEF	OBUS	7.0420e-003	8.3600e-003
tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	8.0700e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.41
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.5800e-003	9.8490e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.27

tblVehicleEF	OBUS	0.58	0.67
tblVehicleEF	OBUS	5.31	5.62
tblVehicleEF	OBUS	88.70	88.61
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.43	0.48
tblVehicleEF	OBUS	1.35	1.62
tblVehicleEF	OBUS	2.08	2.12
tblVehicleEF	OBUS	1.2200e-004	1.8100e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.1700e-004	1.7400e-004
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tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.34	0.36
tblVehicleEF	OBUS	8.5900e-004	8.5800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9100e-004	8.0100e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.37	0.40
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3930e-003	9.6320e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.30
tblVehicleEF	OBUS	0.57	0.65
tblVehicleEF	OBUS	5.64	5.97
tblVehicleEF	OBUS	79.14	79.07
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
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tblVehicleEF	OBUS	1.41	1.68
tblVehicleEF	OBUS	2.12	2.17
tblVehicleEF	OBUS	1.7600e-004	2.6200e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.6900e-004	2.5100e-004
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tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9700e-004	8.0800e-004
tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.42
tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.16	8.02
tblVehicleEF	SBUS	1.19	1.27
tblVehicleEF	SBUS	9.61	9.90
tblVehicleEF	SBUS	1,131.05	1,146.39
tblVehicleEF	SBUS	1,090.69	1,099.72
tblVehicleEF	SBUS	54.18	52.78
tblVehicleEF	SBUS	9.79	10.48
tblVehicleEF	SBUS	4.65	5.04
tblVehicleEF	SBUS	12.50	12.79
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.13	0.14

tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0800e-004	7.0000e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.40
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.57
tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.08	0.08
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tblVehicleEF	SBUS	7.94	8.18
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tblVehicleEF	SBUS	1,090.69	1,099.72
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tblVehicleEF	SBUS	8.9100e-003	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	8.5240e-003	9.7020e-003
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
tblVehicleEF	SBUS	0.13	0.14
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tblVehicleEF	SBUS	6.8100e-004	6.7100e-004
tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
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tblVehicleEF	SBUS	1.42	1.40
tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.50	0.52
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tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
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tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
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tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
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tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
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tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.53
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1100e-004	7.0200e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.41
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.58
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.96	9.40
tblVehicleEF	UBUS	13.19	13.37

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tblVehicleEF	UBUS	4.82	5.44
tblVehicleEF	UBUS	13.49	13.69
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	0.53	0.57
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.96	0.97
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5700e-003	1.5510e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	2.52	2.69
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	1.06
tblVehicleEF	UBUS	1.94	2.06
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	9.02	9.46
tblVehicleEF	UBUS	11.63	11.79
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11

tblVehicleEF	UBUS	4.53	5.12
tblVehicleEF	UBUS	13.42	13.62
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
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tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
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tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	0.53	0.58
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.89	0.90
tblVehicleEF	UBUS	8.6450e-003	8.7590e-003
tblVehicleEF	UBUS	1.5430e-003	1.5230e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	2.53	2.70
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.95	9.39
tblVehicleEF	UBUS	13.46	13.64
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.73	5.34
tblVehicleEF	UBUS	13.51	13.71

tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	0.52	0.57
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5750e-003	1.5550e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	2.52	2.68
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.07	1.08
tblWater	IndoorWaterUseRate	5,177,384.08	5,865,213.68
tblWater	OutdoorWaterUseRate	3,173,235.40	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2020	8.9288	85.2233	65.9196	0.1480	6.6642	3.9699	10.6341	1.4013	3.7157	5.1170	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3703
Maximum	8.9288	85.2233	65.9196	0.1480	6.6642	3.9699	10.6341	1.4013	3.7157	5.1170	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3703

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.9288	85.2233	65.9196	0.1480	4.6247	3.9699	8.5946	1.0925	3.7157	4.8082	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3702
Maximum	8.9288	85.2233	65.9196	0.1480	4.6247	3.9699	8.5946	1.0925	3.7157	4.8082	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3702

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	30.60	0.00	19.18	22.04	0.00	6.03	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296
Total	2.4751	4.4916	13.4371	0.0499	4.3558	0.0690	4.4248	1.1648	0.0660	1.2307		5,208.4339	5,208.4339	0.2164	5.6500e-003	5,215.5278

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296
Total	2.4751	4.4916	13.4371	0.0499	4.3558	0.0690	4.4248	1.1648	0.0660	1.2307		5,208.4339	5,208.4339	0.2164	5.6500e-003	5,215.5278

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 2		6	15.00	0.00	711.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2		9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2		9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 2		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3434	0.0000	3.3434	0.5062	0.0000	0.5062			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	3.3434	1.6587	5.0021	0.5062	1.5419	2.0481		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.1196	4.3036	1.1307	0.0117	0.2691	0.0140	0.2831	0.0737	0.0134	0.0871	1,298.6259	1,298.6259	0.1399		1,302.1240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	154.7432	154.7432	3.5300e-003		154.8314
Total	0.1848	4.3435	1.5845	0.0132	0.4368	0.0151	0.4519	0.1181	0.0144	0.1326	1,453.3691	1,453.3691	0.1435		1,456.9555

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3039	0.0000	1.3039	0.1974	0.0000	0.1974			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	1.3039	1.6587	2.9626	0.1974	1.5419	1.7393	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1196	4.3036	1.1307	0.0117	0.2691	0.0140	0.2831	0.0737	0.0134	0.0871	1,298.6259	1,298.6259	0.1399			1,302.1240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	154.7432	154.7432	3.5300e-003			154.8314

Total	0.1848	4.3435	1.5845	0.0132	0.4368	0.0151	0.4519	0.1181	0.0144	0.1326		1,453.369	1,453.3691	0.1435		1,456.955
												1				5

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968			1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247			1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215			2,196.9961

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140			2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
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3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296
Unmitigated	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Unmitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 3 ALT1 - Orange County, Summer

**JWA Phase 3 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	95.70	1000sqft	2.20	95,697.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Detailed in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Trips and VMT -
 Demolition -
 Area Coating -
 Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	95,700.00	95,697.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4538	36.2957	23.0170	0.0490	3.1766	1.6697	4.8463	0.5620	1.5524	2.1144	0.0000	4,860.0207	4,860.0207	1.1600	0.0000	4,889.0214
												7				4

2021	7.8457	68.5222	71.4272	0.1429	4.1894	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.77 76	14,037.777 6	2.8760	0.0000	14,109.67 68
Maximum	7.8457	68.5222	71.4272	0.1429	4.1894	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.77 76	14,037.777 6	2.8760	0.0000	14,109.67 68

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4538	36.2957	23.0170	0.0490	1.7077	1.6697	3.3774	0.3396	1.5524	1.8920	0.0000	4,860.020 7	4,860.0207	1.1600	0.0000	4,889.021 4
2021	7.8457	68.5222	71.4272	0.1429	4.1008	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.77 76	14,037.777 6	2.8760	0.0000	14,109.67 67
Maximum	7.8457	68.5222	71.4272	0.1429	4.1008	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.77 76	14,037.777 6	2.8760	0.0000	14,109.67 67

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	21.14	0.00	12.38	13.35	0.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.977 0	2,738.9770	0.1068		2,741.646 8

Total	1.3874	2.0794	6.9339	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5084	2,958.5084	0.1111	4.0200e-003	2,962.4859
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3874	2.0794	6.9339	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5084	2,958.5084	0.1111	4.0200e-003	2,962.4859

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36

Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	545.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO- 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.4081	1.6587	4.0668	0.3646	1.5419	1.9065		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0840	3.0583	0.7728	8.5100e-003	0.6009	9.9000e-003	0.6108	0.1530	9.4700e-003	0.1624		948.8093	948.8093	0.0984		951.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1416	3.0947	1.2638	0.0102	0.7685	0.0110	0.7796	0.1974	0.0105	0.2079		1,112.3158	1,112.3158	0.1021		1,114.8678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.9392	1.6587	2.5979	0.1422	1.5419	1.6841	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0840	3.0583	0.7728	8.5100e-003	0.6009	9.9000e-003	0.6108	0.1530	9.4700e-003	0.1624		948.8093	948.8093	0.0984		951.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1416	3.0947	1.2638	0.0102	0.7685	0.0110	0.7796	0.1974	0.0105	0.2079		1,112.3158	1,112.3158	0.1021		1,114.8678

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.4081	1.5513	3.9594	0.3646	1.4411	1.8057		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0801	2.8275	0.7768	8.3900e-003	0.2468	8.8800e-003	0.2556	0.0660	8.5000e-003	0.0745		937.1974	937.1974	0.0972		939.6266

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1342	2.8603	1.2324	9.9700e-003	0.4144	9.9700e-003	0.4244	0.1105	9.5000e-003	0.1200		1,095.0265	1,095.0265	0.1006		1,097.5402

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9392	1.5513	2.4905	0.1422	1.4411	1.5833	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0801	2.8275	0.7768	8.3900e-003	0.2468	8.8800e-003	0.2556	0.0660	8.5000e-003	0.0745		937.1974	937.1974	0.0972		939.6266
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1342	2.8603	1.2324	9.9700e-003	0.4144	9.9700e-003	0.4244	0.1105	9.5000e-003	0.1200		1,095.0265	1,095.0265	0.1006		1,097.5402

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822			1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225			1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047			2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822			1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225			1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047			2,103.1032

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160			2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160			2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Unmitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day						
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003		113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003		21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201

General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004	7.1600e-003	7.1600e-003	7.1600e-003	7.1600e-003	113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004	1.3800e-003	1.3800e-003	1.3800e-003	1.3800e-003	21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003	0.0139	0.0139	0.0139	0.0139	219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004			0.0558
Unmitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004			0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 3 ALT1 - Orange County, Winter

**JWA Phase 3 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	95.70	1000sqft	2.20	95,697.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Detailed in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Trips and VMT -
 Demolition -
 Area Coating -
 Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	95,700.00	95,697.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4633	36.3378	23.0206	0.0487	3.1766	1.6699	4.8465	0.5620	1.5525	2.1146	0.0000	4,836.9339	4,836.9339	1.1622	0.0000	4,865.9881

2021	7.9658	68.5546	71.0802	0.1412	4.1894	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6685
Maximum	7.9658	68.5546	71.0802	0.1412	4.1894	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6685

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4633	36.3378	23.0206	0.0487	1.7077	1.6699	3.3776	0.3396	1.5525	1.8922	0.0000	4,836.9339	4,836.9339	1.1622	0.0000	4,865.9881
2021	7.9658	68.5546	71.0802	0.1412	4.1008	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6684
Maximum	7.9658	68.5546	71.0802	0.1412	4.1008	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6684

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	21.14	0.00	12.38	13.35	0.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798

Total	1.3794	2.1395	6.5814	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2596	2,838.2596	0.1104	4.0200e-003	2,842.2188
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004			0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003		220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061			2,621.3798
Total	1.3794	2.1395	6.5814	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2596	2,838.2596	0.1104	4.0200e-003	2,842.2188	

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36

Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	545.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO- 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.4081	1.6587	4.0668	0.3646	1.5419	1.9065		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0861	3.0968	0.8136	8.3800e-003	0.6009	0.0101	0.6110	0.1530	9.6500e-003	0.1626		934.4858	934.4858	0.1007		937.0031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1512	3.1367	1.2674	9.9300e-003	0.7685	0.0112	0.7797	0.1974	0.0107	0.2081		1,089.2290	1,089.2290	0.1042		1,091.8345

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.9392	1.6587	2.5979	0.1422	1.5419	1.6841	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0861	3.0968	0.8136	8.3800e-003	0.6009	0.0101	0.6110	0.1530	9.6500e-003	0.1626		934.4858	934.4858	0.1007		937.0031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1512	3.1367	1.2674	9.9300e-003	0.7685	0.0112	0.7797	0.1974	0.0107	0.2081		1,089.2290	1,089.2290	0.1042		1,091.8345

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.4081	1.5513	3.9594	0.3646	1.4411	1.8057		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0821	2.8609	0.8154	8.2600e-003	0.2468	9.0400e-003	0.2558	0.0660	8.6500e-003	0.0747		922.9968	922.9968	0.0993		925.4803

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1434	2.8969	1.2358	9.7600e-003	0.4144	0.0101	0.4245	0.1105	9.6500e-003	0.1202		1,072.3716	1,072.3716	0.1025		1,074.9351

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9392	1.5513	2.4905	0.1422	1.4411	1.5833	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0821	2.8609	0.8154	8.2600e-003	0.2468	9.0400e-003	0.2558	0.0660	8.6500e-003	0.0747		922.9968	922.9968	0.0993		925.4803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1434	2.8969	1.2358	9.7600e-003	0.4144	0.0101	0.4245	0.1105	9.6500e-003	0.1202		1,072.3716	1,072.3716	0.1025		1,074.9351

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862			1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213			996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075			2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Unmitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day						
	NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	lb/day									lb/day						
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003		113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003		21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	lb/day									lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201

General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004	7.1600e-003	7.1600e-003	7.1600e-003	7.1600e-003	113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004	1.3800e-003	1.3800e-003	1.3800e-003	1.3800e-003	21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003	0.0139	0.0139	0.0139	0.0139	219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004			0.0558
Unmitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004			0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 ALT1 - Orange County, Summer

**JWA Phase 4 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0693	36.5032	29.7172	0.0600	2.2481	1.7370	3.9851	0.4296	1.6434	2.0730	0.0000	5,795.9317	5,795.9317	1.0519	0.0000	5,822.2294

2022	3.3943	27.4158	32.4399	0.0588	0.7825	1.2905	2.0730	0.2095	1.2162	1.4257	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	4.0693	36.5032	32.4399	0.0600	2.2481	1.7370	3.9851	0.4296	1.6434	2.0730	0.0000	5,795.9317	5,795.9317	1.2124	0.0000	5,822.2294

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0693	36.5032	29.7172	0.0600	1.3385	1.7370	3.0755	0.2919	1.6434	1.9353	0.0000	5,795.9317	5,795.9317	1.0519	0.0000	5,822.2294
2022	3.3943	27.4158	32.4399	0.0588	0.7825	1.2905	2.0730	0.2095	1.2162	1.4257	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	4.0693	36.5032	32.4399	0.0600	1.3385	1.7370	3.0755	0.2919	1.6434	1.9353	0.0000	5,795.9317	5,795.9317	1.2124	0.0000	5,822.2294

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	30.01	0.00	15.01	21.55	0.00	3.94	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511

Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/10/2021	5	52	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting	Cement and Mortar Mixers	1	6.00	9	0.56
Phase 1 - 4 Construction of Park Spaces / Lighting	Concrete/Industrial Saws	0		81	0.73
Phase 1 - 4 Construction of Park Spaces / Lighting	Pavers	1	6.00	130	0.42
Phase 1 - 4 Construction of Park Spaces / Lighting	Paving Equipment	1	8.00	132	0.36
Phase 1 - 4 Construction of Park Spaces / Lighting	Rollers	1	7.00	80	0.38
Phase 1 - 4 Construction of Park Spaces / Lighting	Rubber Tired Dozers	0		247	0.40
Phase 1 - 4 Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1 - 4 Construction of Park Spaces / Lighting	Cement and Mortar Mixers	1	6.00	9	0.56
Phase 2 - 4					

Construction of Park Spaces / Lighting	Pavers	1	6.00	130	0.42
Phase 2 - 4					
Construction of Park Spaces / Lighting	Paving Equipment	1	8.00	132	0.36
Phase 2 - 4					
Construction of Park Spaces / Lighting	Rollers	1	7.00	80	0.38
Phase 2 - 4					
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 - 4					

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 4	5	13.00	0.00	358.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 4	7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4911	0.0000	1.4911	0.2258	0.0000	0.2258			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.4911	1.0409	2.5320	0.2258	0.9715	1.1972		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0496	1.7502	0.4808	5.1900e-003	0.1199	5.5000e-003	0.1254	0.0328	5.2600e-003	0.0381		580.1100	580.1100	0.0601		581.6136
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	0.0965	1.7786	0.8757	6.5600e-003	0.2652	6.4400e-003	0.2716	0.0714	6.1300e-003	0.0775		716.8952	716.8952	0.0631		718.4721

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5815	0.0000	0.5815	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.5815	1.0409	1.6224	0.0881	0.9715	1.0595	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0496	1.7502	0.4808	5.1900e-003	0.1199	5.5000e-003	0.1254	0.0328	5.2600e-003	0.0381		580.1100	580.1100	0.0601		581.6136
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	0.0965	1.7786	0.8757	6.5600e-003	0.2652	6.4400e-003	0.2716	0.0714	6.1300e-003	0.0775		716.8952	716.8952	0.0631		718.4721

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927

Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927
Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280		372.6137	372.6137	0.0286		373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		364.7524	364.7524	7.3700e-003		364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371		737.3661	737.3661	0.0360		738.2649

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280		372.6137	372.6137	0.0286		373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		364.7524	364.7524	7.3700e-003		364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371		737.3661	737.3661	0.0360		738.2649

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003	131.7827	
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003	131.7827	

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511

Unmitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 ALT1 - Orange County, Winter

**JWA Phase 4 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0957	36.5314	29.6608	0.0595	2.2481	1.7372	3.9853	0.4296	1.6436	2.0732	0.0000	5,750.2795	5,750.2795	1.0541	0.0000	5,776.6321

2022	3.4247	27.4242	32.3345	0.0584	0.7825	1.2906	2.0731	0.2095	1.2163	1.4258	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	4.0957	36.5314	32.3345	0.0595	2.2481	1.7372	3.9853	0.4296	1.6436	2.0732	0.0000	5,750.2795	5,750.2795	1.2131	0.0000	5,776.6321

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0957	36.5314	29.6608	0.0595	1.3385	1.7372	3.0757	0.2919	1.6436	1.9355	0.0000	5,750.2795	5,750.2795	1.0541	0.0000	5,776.6321
2022	3.4247	27.4242	32.3345	0.0584	0.7825	1.2906	2.0731	0.2095	1.2163	1.4258	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	4.0957	36.5314	32.3345	0.0595	1.3385	1.7372	3.0757	0.2919	1.6436	1.9355	0.0000	5,750.2795	5,750.2795	1.2131	0.0000	5,776.6321

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	30.01	0.00	15.01	21.55	0.00	3.94	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882

Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.780 2	1,863.7802	0.0697	3.1400e- 003	1,866.457 4
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.780 2	1,863.7802	0.0697	3.1400e- 003	1,866.457 4

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/10/2021	5	52	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting	Cement and Mortar Mixers	1	6.00	9	0.56
Phase 1 - 4 Construction of Park Spaces / Lighting	Concrete/Industrial Saws	0		81	0.73
Phase 1 - 4 Construction of Park Spaces / Lighting	Pavers	1	6.00	130	0.42
Phase 1 - 4 Construction of Park Spaces / Lighting	Paving Equipment	1	8.00	132	0.36
Phase 1 - 4 Construction of Park Spaces / Lighting	Rollers	1	7.00	80	0.38
Phase 1 - 4 Construction of Park Spaces / Lighting	Rubber Tired Dozers	0		247	0.40
Phase 1 - 4 Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1 - 4 Construction of Park Spaces / Lighting	Cement and Mortar Mixers	1	6.00	9	0.56
Phase 2 - 4					

Construction of Park Spaces / Lighting	Pavers	1	6.00	130	0.42
Phase 2 - 4					
Construction of Park Spaces / Lighting	Paving Equipment	1	8.00	132	0.36
Phase 2 - 4					
Construction of Park Spaces / Lighting	Rollers	1	7.00	80	0.38
Phase 2 - 4					
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 - 4					

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 4	5	13.00	0.00	358.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 4	7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4911	0.0000	1.4911	0.2258	0.0000	0.2258			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.4911	1.0409	2.5320	0.2258	0.9715	1.1972		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0508	1.7708	0.5047	5.1100e-003	0.1199	5.6000e-003	0.1255	0.0328	5.3600e-003	0.0382		571.3200	571.3200	0.0615		572.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	0.1039	1.8020	0.8691	6.4100e-003	0.2652	6.5400e-003	0.2717	0.0714	6.2300e-003	0.0776		700.7782	700.7782	0.0643		702.3848

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5815	0.0000	0.5815	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.5815	1.0409	1.6224	0.0881	0.9715	1.0595	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0508	1.7708	0.5047	5.1100e-003	0.1199	5.6000e-003	0.1255	0.0328	5.3600e-003	0.0382		571.3200	571.3200	0.0615		572.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	0.1039	1.8020	0.8691	6.4100e-003	0.2652	6.5400e-003	0.2717	0.0714	6.2300e-003	0.0776		700.7782	700.7782	0.0643		702.3848

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908		3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310	367.8384
Worker	0.1471	0.0864	1.0090		3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003	358.6915

Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386		726.5299
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.1471	0.0864	1.0090	3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003		358.6915
Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386		726.5299

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003			124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003			124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113			1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113			1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882

Unmitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.728	1,692.7286	0.0664		1,694.388
												6				2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 ALT1 - Orange County, Summer

**JWA Phase 5 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	71.20	1000sqft	1.63	71,200.00	0
Other Non-Asphalt Surfaces	91.22	1000sqft	2.09	91,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

Area Coating -

Construction Off-road Equipment Mitigation -

Off-road Equipment - *

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	91,220.00	91,215.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Construction of FBO 4 - 5
tblOffRoadEquipment	PhaseName		Construction of Apron - 5
tblOffRoadEquipment	PhaseName		Construction of Apron - 5
tblOffRoadEquipment	PhaseName		Construction of FBO 4 - 5
tblOffRoadEquipment	PhaseName		Demolition - 5
tblOffRoadEquipment	PhaseName		Demolition - 5

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2022	4.5043	45.5194	44.6701	0.0985	6.4760	1.9309	8.4069	1.1563	1.8061	2.9624	0.0000	9,837.3924	9,837.3924	1.9601	0.0000	9,886.3952
Maximum	4.5043	45.5194	44.6701	0.0985	6.4760	1.9309	8.4069	1.1563	1.8061	2.9624	0.0000	9,837.3924	9,837.3924	1.9601	0.0000	9,886.3952

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5043	40.1885	44.6701	0.0985	3.4284	1.9309	5.3593	0.6948	1.8061	2.5009	0.0000	9,837.3924	9,837.3924	1.9601	0.0000	9,886.3952
Maximum	4.5043	40.1885	44.6701	0.0985	3.4284	1.9309	5.3593	0.6948	1.8061	2.5009	0.0000	9,837.3924	9,837.3924	1.9601	0.0000	9,886.3952

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	11.71	0.00	0.00	47.06	0.00	36.25	39.91	0.00	15.58	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mobile	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Total	2.4403	3.1540	12.1748	0.0512	4.6620	0.0624	4.7244	1.2467	0.0601	1.3068		5,442.5803	5,442.5803	0.1970	8.7900e-003	5,450.1254

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Total	2.4403	3.1540	12.1748	0.0512	4.6620	0.0624	4.7244	1.2467	0.0601	1.3068		5,442.5803	5,442.5803	0.1970	8.7900e-003	5,450.1254

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	7.00	231	0.29
Construction of FBO 4 - 5	Forklifts	3	8.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO 4 - 5	Welders	1	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	2	6.00	132	0.36
Construction of Apron - 5	Rollers	2	6.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 5	Excavators	3	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	739.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	68.00	27.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 5	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					4.9960	0.0000	4.9960	0.7564	0.0000	0.7564			0.0000				0.0000
Off-Road	2.2962	21.9527	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200		3,823.4627	3,823.4627	1.0772			3,850.3935
Total	2.2962	21.9527	23.7259	0.0396	4.9960	1.0956	6.0917	0.7564	1.0200	1.7765		3,823.4627	3,823.4627	1.0772			3,850.3935

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.1579	5.3945	1.6213	0.0172	0.4021	0.0159	0.4180	0.1101	0.0153	0.1253		1,920.2911	1,920.2911	0.1992			1,925.2719
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003			131.7827
Total	0.2022	5.4202	1.9898	0.0185	0.5474	0.0169	0.5642	0.1486	0.0161	0.1647		2,052.0072	2,052.0072	0.2019			2,057.0545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9485	0.0000	1.9485	0.2950	0.0000	0.2950			0.0000			0.0000
Off-Road	2.2962	16.6217	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200	0.0000	3,823.4627	3,823.4627	1.0772		3,850.3935
Total	2.2962	16.6217	23.7259	0.0396	1.9485	1.0956	3.0441	0.2950	1.0200	1.3150	0.0000	3,823.4627	3,823.4627	1.0772		3,850.3935

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1579	5.3945	1.6213	0.0172	0.4021	0.0159	0.4180	0.1101	0.0153	0.1253		1,920.2911	1,920.2911	0.1992		1,925.2719
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.2022	5.4202	1.9898	0.0185	0.5474	0.0169	0.5642	0.1486	0.0161	0.1647		2,052.0072	2,052.0072	0.2019		2,057.0545

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0677	2.3964	0.6633	6.5800e-003	0.1725	4.5800e-003	0.1771	0.0496	4.3800e-003	0.0540		718.6121	718.6121	0.0551		719.9902
Worker	0.2320	0.1345	1.9277	6.9100e-003	0.7601	4.8200e-003	0.7649	0.2016	4.4400e-003	0.2060		688.9768	688.9768	0.0139		689.3247
Total	0.2997	2.5309	2.5910	0.0135	0.9326	9.4000e-003	0.9420	0.2512	8.8200e-003	0.2600		1,407.5889	1,407.5889	0.0691		1,409.3149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0677	2.3964	0.6633	6.5800e-003	0.1725	4.5800e-003	0.1771	0.0496	4.3800e-003	0.0540		718.6121	718.6121	0.0551		719.9902
Worker	0.2320	0.1345	1.9277	6.9100e-003	0.7601	4.8200e-003	0.7649	0.2016	4.4400e-003	0.2060		688.9768	688.9768	0.0139		689.3247
Total	0.2997	2.5309	2.5910	0.0135	0.9326	9.4000e-003	0.9420	0.2512	8.8200e-003	0.2600		1,407.5889	1,407.5889	0.0691		1,409.3149

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003	152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003	152.0569

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Unmitigated	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	496.26	93.98	48.42	1,659,794	1,659,794
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	496.26	93.98	48.42	1,659,794	1,659,794

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
NaturalGas Unmitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4076.93	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4.07693	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day									lb/day						
Mitigated	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Unmitigated	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 ALT1 - Orange County, Winter

**JWA Phase 5 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	71.20	1000sqft	1.63	71,200.00	0
Other Non-Asphalt Surfaces	91.22	1000sqft	2.09	91,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Trips and VMT -
- Demolition -
- Road Dust -

Area Coating -

Construction Off-road Equipment Mitigation -

Off-road Equipment - *

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	91,220.00	91,215.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Construction of FBO 4 - 5
tblOffRoadEquipment	PhaseName		Construction of Apron - 5
tblOffRoadEquipment	PhaseName		Construction of Apron - 5
tblOffRoadEquipment	PhaseName		Construction of FBO 4 - 5
tblOffRoadEquipment	PhaseName		Demolition - 5
tblOffRoadEquipment	PhaseName		Demolition - 5

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2022	4.5489	45.5865	44.6291	0.0977	6.4760	1.9314	8.4074	1.1563	1.8065	2.9628	0.0000	9,746.4675	9,746.4675	1.9660	0.0000	9,795.6170
Maximum	4.5489	45.5865	44.6291	0.0977	6.4760	1.9314	8.4074	1.1563	1.8065	2.9628	0.0000	9,746.4675	9,746.4675	1.9660	0.0000	9,795.6170

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5489	40.2556	44.6291	0.0977	3.4284	1.9314	5.3598	0.6948	1.8065	2.5014	0.0000	9,746.4675	9,746.4675	1.9660	0.0000	9,795.6170
Maximum	4.5489	40.2556	44.6291	0.0977	3.4284	1.9314	5.3598	0.6948	1.8065	2.5014	0.0000	9,746.4675	9,746.4675	1.9660	0.0000	9,795.6170

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	11.69	0.00	0.00	47.06	0.00	36.25	39.91	0.00	15.57	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mobile	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Total	2.4261	3.2484	11.5176	0.0491	4.6620	0.0625	4.7245	1.2467	0.0602	1.3069		5,226.5147	5,226.5147	0.1954	8.7900e-003	5,234.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Total	2.4261	3.2484	11.5176	0.0491	4.6620	0.0625	4.7245	1.2467	0.0602	1.3069		5,226.5147	5,226.5147	0.1954	8.7900e-003	5,234.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	7.00	231	0.29
Construction of FBO 4 - 5	Forklifts	3	8.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO 4 - 5	Welders	1	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	2	6.00	132	0.36
Construction of Apron - 5	Rollers	2	6.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 5	Excavators	3	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	739.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	68.00	27.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 5	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9960	0.0000	4.9960	0.7564	0.0000	0.7564			0.0000			0.0000
Off-Road	2.2962	21.9527	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200		3,823.4627	3,823.4627	1.0772		3,850.3935
Total	2.2962	21.9527	23.7259	0.0396	4.9960	1.0956	6.0917	0.7564	1.0200	1.7765		3,823.4627	3,823.4627	1.0772		3,850.3935

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1618	5.4530	1.6976	0.0169	0.4021	0.0162	0.4183	0.1101	0.0155	0.1256		1,891.0074	1,891.0074	0.2034		1,896.0928
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.2121	5.4813	2.0371	0.0181	0.5474	0.0172	0.5645	0.1486	0.0164	0.1650		2,015.6746	2,015.6746	0.2059		2,020.8229

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9485	0.0000	1.9485	0.2950	0.0000	0.2950			0.0000			0.0000
Off-Road	2.2962	16.6217	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200	0.0000	3,823.4627	3,823.4627	1.0772		3,850.3935
Total	2.2962	16.6217	23.7259	0.0396	1.9485	1.0956	3.0441	0.2950	1.0200	1.3150	0.0000	3,823.4627	3,823.4627	1.0772		3,850.3935

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1618	5.4530	1.6976	0.0169	0.4021	0.0162	0.4183	0.1101	0.0155	0.1256		1,891.0074	1,891.0074	0.2034		1,896.0928
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.2121	5.4813	2.0371	0.0181	0.5474	0.0172	0.5645	0.1486	0.0164	0.1650		2,015.6746	2,015.6746	0.2059		2,020.8229

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0711	2.3891	0.7267	6.4200e-003	0.1725	4.7500e-003	0.1773	0.0496	4.5500e-003	0.0542		700.8911	700.8911	0.0577		702.3338
Worker	0.2633	0.1478	1.7760	6.5400e-003	0.7601	4.8200e-003	0.7649	0.2016	4.4400e-003	0.2060		652.1056	652.1056	0.0132		652.4345
Total	0.3344	2.5369	2.5027	0.0130	0.9326	9.5700e-003	0.9422	0.2512	8.9900e-003	0.2602		1,352.9967	1,352.9967	0.0709		1,354.7684

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0711	2.3891	0.7267	6.4200e-003	0.1725	4.7500e-003	0.1773	0.0496	4.5500e-003	0.0542		700.8911	700.8911	0.0577		702.3338
Worker	0.2633	0.1478	1.7760	6.5400e-003	0.7601	4.8200e-003	0.7649	0.2016	4.4400e-003	0.2060		652.1056	652.1056	0.0132		652.4345
Total	0.3344	2.5369	2.5027	0.0130	0.9326	9.5700e-003	0.9422	0.2512	8.9900e-003	0.2602		1,352.9967	1,352.9967	0.0709		1,354.7684

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003	143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003	143.9194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Unmitigated	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	496.26	93.98	48.42	1,659,794	1,659,794
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	496.26	93.98	48.42	1,659,794	1,659,794

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
NaturalGas Unmitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4076.93	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4.07693	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day									lb/day						
Mitigated	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Unmitigated	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.6314	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 ALT1 - Orange County, Summer

**JWA Phase 6 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	152.00	1000sqft	3.49	152,001.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Architectural Coating -

Area Coating -

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	9120	897
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	18.00	7.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	18.00	47.00
tblLandUse	LandUseSquareFeet	152,000.00	152,001.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	7.6387	43.3244	28.0526	0.0960	16.4781	1.3741	17.8522	2.6777	1.2844	3.9622	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430
Maximum	7.6387	43.3244	28.0526	0.0960	16.4781	1.3741	17.8522	2.6777	1.2844	3.9622	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	7.6387	43.3244	28.0526	0.0960	7.3512	1.3741	8.7253	1.2958	1.2844	2.5803	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430
Maximum	7.6387	43.3244	28.0526	0.0960	7.3512	1.3741	8.7253	1.2958	1.2844	2.5803	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.39	0.00	51.12	51.61	0.00	34.88	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0564	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0564	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/14/2022	7/27/2022	5	10	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,120

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Excavators	3	8.00	158	0.38
Demolition - 6	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	0		97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37
Road Relocation - 6	Cement and Mortar Mixers	2	6.00	9	0.56
Road Relocation - 6	Pavers	1	8.00	130	0.42
Road Relocation - 6	Paving Equipment	2	6.00	132	0.36
Road Relocation - 6	Rollers	2	6.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	6	15.00	0.00	691.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					14.9622	0.0000	14.9622	2.2654	0.0000	2.2654			0.0000				0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524			3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	14.9622	1.2427	16.2048	2.2654	1.1553	3.4207		3,746.7812	3,746.7812	1.0524			3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.4724	16.1411	4.8512	0.0513	1.2030	0.0477	1.2507	0.3293	0.0456	0.3750		5,745.8019	5,745.8019	0.5961			5,760.7052
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003			152.0569
Total	0.5236	16.1708	5.2764	0.0528	1.3707	0.0488	1.4194	0.3738	0.0466	0.4204		5,897.7821	5,897.7821	0.5992			5,912.7622

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					5.8353	0.0000	5.8353	0.8835	0.0000	0.8835			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	5.8353	1.2427	7.0779	0.8835	1.1553	2.0388	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4724	16.1411	4.8512	0.0513	1.2030	0.0477	1.2507	0.3293	0.0456	0.3750		5,745.8019	5,745.8019	0.5961		5,760.7052
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.5236	16.1708	5.2764	0.0528	1.3707	0.0488	1.4194	0.3738	0.0466	0.4204		5,897.7821	5,897.7821	0.5992		5,912.7622

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2271					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Total	4.4317	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2271					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	4.4317	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0387					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	6.2433	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0387					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	6.2433	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Unmitigated	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 ALT1 - Orange County, Winter

**JWA Phase 6 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	152.00	1000sqft	3.49	152,001.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Architectural Coating -

Area Coating -

Landscape Equipment -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	9120	897
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	18.00	7.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	18.00	47.00
tblLandUse	LandUseSquareFeet	152,000.00	152,001.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	7.6633	43.5050	28.2185	0.0950	16.4781	1.3750	17.8531	2.6777	1.2853	3.9630	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447
Maximum	7.6633	43.5050	28.2185	0.0950	16.4781	1.3750	17.8531	2.6777	1.2853	3.9630	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	7.6633	43.5050	28.2185	0.0950	7.3512	1.3750	8.7262	1.2958	1.2853	2.5811	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447
Maximum	7.6633	43.5050	28.2185	0.0950	7.3512	1.3750	8.7262	1.2958	1.2853	2.5811	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.39	0.00	51.12	51.61	0.00	34.87	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0564	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0564	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/14/2022	7/27/2022	5	10	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,120

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Excavators	3	8.00	158	0.38
Demolition - 6	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	0		97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37
Road Relocation - 6	Cement and Mortar Mixers	2	6.00	9	0.56
Road Relocation - 6	Pavers	1	8.00	130	0.42
Road Relocation - 6	Paving Equipment	2	6.00	132	0.36
Road Relocation - 6	Rollers	2	6.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	6	15.00	0.00	691.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					14.9622	0.0000	14.9622	2.2654	0.0000	2.2654			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	14.9622	1.2427	16.2048	2.2654	1.1553	3.4207		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4840	16.3163	5.0795	0.0505	1.2030	0.0486	1.2516	0.3293	0.0465	0.3758		5,658.1807	5,658.1807	0.6087		5,673.3970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.5421	16.3489	5.4713	0.0520	1.3707	0.0497	1.4203	0.3738	0.0475	0.4213		5,802.0275	5,802.0275	0.6116		5,817.3163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					5.8353	0.0000	5.8353	0.8835	0.0000	0.8835			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	5.8353	1.2427	7.0779	0.8835	1.1553	2.0388	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4840	16.3163	5.0795	0.0505	1.2030	0.0486	1.2516	0.3293	0.0465	0.3758		5,658.1807	5,658.1807	0.6087		5,673.3970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.5421	16.3489	5.4713	0.0520	1.3707	0.0497	1.4203	0.3738	0.0475	0.4213		5,802.0275	5,802.0275	0.6116		5,817.3163

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2271					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Total	4.4317	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2271					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	4.4317	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0387					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	6.2433	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0387					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	6.2433	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Unmitigated	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0564	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7 ALT1 - Orange County, Summer

**JWA Phase 7 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.20	1000sqft	1.59	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_Nonresidential_Exterior	34600	33441
tblAreaCoating	Area_Nonresidential_Interior	103800	100323
tblAreaCoating	Area_Parking	0	6629
tblConstructionPhase	NumDays	200.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	5.7840e-003	5.7610e-003
tblFleetMix	MCY	4.9410e-003	4.9610e-003
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MH	9.0400e-004	8.5400e-004
tblFleetMix	MHD	0.03	0.03
tblFleetMix	OBUS	1.7750e-003	1.8070e-003
tblFleetMix	SBUS	5.9800e-004	6.0600e-004
tblFleetMix	UBUS	1.5240e-003	1.4890e-003
tblSolidWaste	SolidWasteGenerationRate	85.81	82.93
tblVehicleEF	HHD	0.47	0.42
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	1.51	1.43
tblVehicleEF	HHD	1.25	1.29
tblVehicleEF	HHD	4.18	4.34
tblVehicleEF	HHD	3,872.44	3,764.04
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	13.41	12.60
tblVehicleEF	HHD	1.83	1.71

tblVehicleEF	HHD	19.09	18.97
tblVehicleEF	HHD	0.01	9.4350e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	0.01	9.0270e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.36	0.34
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1200e-004
tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.44	0.39
tblVehicleEF	HHD	0.16	0.17

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	1.10	1.04
tblVehicleEF	HHD	1.26	1.29
tblVehicleEF	HHD	3.98	4.13
tblVehicleEF	HHD	4,102.50	3,987.66
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	13.84	13.00
tblVehicleEF	HHD	1.73	1.61
tblVehicleEF	HHD	19.08	18.96
tblVehicleEF	HHD	0.01	7.9540e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	9.6890e-003	7.6100e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.34	0.32
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	2.0900e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003

tblVehicleEF	HHD	0.42	0.40
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	0.51	0.45
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	2.08	1.97
tblVehicleEF	HHD	1.25	1.28
tblVehicleEF	HHD	4.22	4.38
tblVehicleEF	HHD	3,554.73	3,455.22
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	12.81	12.04
tblVehicleEF	HHD	1.80	1.68
tblVehicleEF	HHD	19.10	18.97
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.39	0.37

tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1300e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.48	0.45
tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	LDA	3.5840e-003	2.9860e-003
tblVehicleEF	LDA	3.9920e-003	3.1350e-003
tblVehicleEF	LDA	0.52	0.45
tblVehicleEF	LDA	0.92	0.78
tblVehicleEF	LDA	242.31	221.65
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.0380e-003	7.5160e-003

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.05
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tblVehicleEF	LDA	3.5910e-003	2.8240e-003
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tblVehicleEF	LDA	0.80	0.67
tblVehicleEF	LDA	252.48	230.94
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	9.5380e-003	7.9370e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.5280e-003	2.3120e-003
tblVehicleEF	LDA	5.5300e-004	5.0800e-004

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	4.0740e-003	3.1990e-003
tblVehicleEF	LDA	0.50	0.44
tblVehicleEF	LDA	0.95	0.80
tblVehicleEF	LDA	238.56	218.23
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	8.8680e-003	7.3740e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.3880e-003	2.1840e-003
tblVehicleEF	LDA	5.5600e-004	5.1000e-004
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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDT1	8.0440e-003	6.5640e-003
tblVehicleEF	LDT1	0.01	8.9170e-003
tblVehicleEF	LDT1	1.00	0.85
tblVehicleEF	LDT1	2.24	1.85
tblVehicleEF	LDT1	303.32	282.04
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	3.0440e-003	2.8290e-003
tblVehicleEF	LDT1	7.1900e-004	6.7100e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	8.4500e-003	6.9040e-003
tblVehicleEF	LDT1	9.9950e-003	8.0030e-003

tblVehicleEF	LDT1	1.08	0.91
tblVehicleEF	LDT1	1.93	1.60
tblVehicleEF	LDT1	315.58	293.45
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.08	0.06
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	3.1680e-003	2.9440e-003
tblVehicleEF	LDT1	7.1300e-004	6.6600e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	7.9040e-003	6.4480e-003
tblVehicleEF	LDT1	0.01	9.1050e-003
tblVehicleEF	LDT1	0.97	0.82
tblVehicleEF	LDT1	2.30	1.91
tblVehicleEF	LDT1	298.79	277.83
tblVehicleEF	LDT1	67.98	63.89

tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	2.9980e-003	2.7870e-003
tblVehicleEF	LDT1	7.2000e-004	6.7200e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT2	4.9710e-003	4.2560e-003
tblVehicleEF	LDT2	5.3310e-003	4.3490e-003
tblVehicleEF	LDT2	0.67	0.60
tblVehicleEF	LDT2	1.19	1.03
tblVehicleEF	LDT2	342.73	316.54
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003

tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.4320e-003	3.1690e-003
tblVehicleEF	LDT2	7.8300e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	5.2490e-003	4.4960e-003
tblVehicleEF	LDT2	4.8000e-003	3.9210e-003
tblVehicleEF	LDT2	0.73	0.66
tblVehicleEF	LDT2	1.03	0.90
tblVehicleEF	LDT2	356.77	329.50
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	3.5730e-003	3.2990e-003
tblVehicleEF	LDT2	7.8100e-004	7.2400e-004
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	4.8770e-003	4.1760e-003
tblVehicleEF	LDT2	5.4400e-003	4.4370e-003
tblVehicleEF	LDT2	0.65	0.58
tblVehicleEF	LDT2	1.22	1.06
tblVehicleEF	LDT2	337.54	311.75
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.06

tblVehicleEF	LDT2	3.3800e-003	3.1210e-003
tblVehicleEF	LDT2	7.8400e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.3180e-003	6.6120e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.21	1.93
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	0.93	0.83
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.22	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5200e-004	3.2700e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.4720e-003	6.7190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.65	0.54
tblVehicleEF	LHD1	2.11	1.85
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.00	0.83
tblVehicleEF	LHD1	0.90	0.80
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003

tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.22	0.18
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7620e-003	5.6340e-003
tblVehicleEF	LHD1	3.5100e-004	3.2600e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.24	0.20
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.2770e-003	6.5830e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.22	1.94
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70

tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.05	0.86
tblVehicleEF	LHD1	0.94	0.84
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.23	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5300e-004	3.2700e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003

tblVehicleEF	LHD2	3.3120e-003	2.7710e-003
tblVehicleEF	LHD2	7.2560e-003	5.7240e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.05
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.46
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3450e-003	2.7950e-003
tblVehicleEF	LHD2	7.0320e-003	5.5590e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.13	1.01
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.43
tblVehicleEF	LHD2	0.49	0.41
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004

tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
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tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3030e-003	2.7640e-003
tblVehicleEF	LHD2	7.3020e-003	5.7580e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.06
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.45
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003

tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
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tblVehicleEF	LHD2	0.04	0.03
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tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.05	0.04
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tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.11	17.78
tblVehicleEF	MCY	9.59	9.63
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.12	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003

tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.35	2.33
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.03	2.01
tblVehicleEF	MCY	2.1510e-003	2.1500e-003
tblVehicleEF	MCY	6.6200e-004	6.5500e-004
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.93	2.91
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.46	17.16
tblVehicleEF	MCY	8.83	8.85
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69

tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.30	2.28
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.83	1.81
tblVehicleEF	MCY	6.4300e-004	6.3600e-004
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.86	2.85
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.99	1.97
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.21	17.87
tblVehicleEF	MCY	9.71	9.76
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.36	2.34
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.07	2.05
tblVehicleEF	MCY	2.1530e-003	2.1520e-003

tblVehicleEF	MCY	6.6500e-004	6.5800e-004
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.94	2.92
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.25	2.23
tblVehicleEF	MDV	9.1870e-003	7.5110e-003
tblVehicleEF	MDV	0.01	9.2910e-003
tblVehicleEF	MDV	1.04	0.89
tblVehicleEF	MDV	2.15	1.78
tblVehicleEF	MDV	467.69	434.17
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6820e-003	4.3440e-003
tblVehicleEF	MDV	1.0560e-003	9.8200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07

tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	9.6820e-003	7.9230e-003
tblVehicleEF	MDV	0.01	8.3650e-003
tblVehicleEF	MDV	1.13	0.96
tblVehicleEF	MDV	1.86	1.54
tblVehicleEF	MDV	486.30	451.43
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	4.8690e-003	4.5180e-003
tblVehicleEF	MDV	1.0510e-003	9.7800e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.16	0.12
tblVehicleEF	MDV	9.0170e-003	7.3710e-003

tblVehicleEF	MDV	0.01	9.4820e-003
tblVehicleEF	MDV	1.01	0.86
tblVehicleEF	MDV	2.21	1.83
tblVehicleEF	MDV	460.81	427.80
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.20	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6120e-003	4.2800e-003
tblVehicleEF	MDV	1.0570e-003	9.8300e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.49	1.13
tblVehicleEF	MH	4.71	4.26
tblVehicleEF	MH	1,100.52	1,092.39

tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.24	1.09
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5000e-004	6.3900e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.27
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.53	1.16
tblVehicleEF	MH	4.46	4.04
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.16	1.01

tblVehicleEF	MH	0.67	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.4600e-004	6.3500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.48	1.12
tblVehicleEF	MH	4.74	4.29
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.22	1.07
tblVehicleEF	MH	0.71	0.66
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5100e-004	6.4000e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9430e-003	2.4630e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.33	0.32
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.08	4.27
tblVehicleEF	MHD	141.00	145.52
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.36	0.37
tblVehicleEF	MHD	0.69	0.67

tblVehicleEF	MHD	10.82	11.16
tblVehicleEF	MHD	7.6000e-005	6.2000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	7.2000e-005	6.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.31	0.27
tblVehicleEF	MHD	1.3570e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7100e-004	6.2800e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.34	0.29
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.9770e-003	2.4860e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.24	0.23
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	4.84	4.07

tblVehicleEF	MHD	149.34	154.13
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.37	0.38
tblVehicleEF	MHD	0.65	0.64
tblVehicleEF	MHD	10.79	11.13
tblVehicleEF	MHD	6.4000e-005	5.3000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	6.1000e-005	5.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.30	0.26
tblVehicleEF	MHD	1.4350e-003	1.4810e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.6700e-004	6.2500e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.33	0.28
tblVehicleEF	MHD	0.02	0.02

tblVehicleEF	MHD	2.9330e-003	2.4570e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.12	4.31
tblVehicleEF	MHD	129.46	133.61
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.34	0.36
tblVehicleEF	MHD	0.68	0.66
tblVehicleEF	MHD	10.83	11.17
tblVehicleEF	MHD	9.2000e-005	7.6000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	8.8000e-005	7.3000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.27
tblVehicleEF	MHD	1.2480e-003	1.2870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7200e-004	6.2900e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.04	0.03

tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8760e-003	4.8420e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.05	4.65
tblVehicleEF	OBUS	76.29	77.10
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.55	0.56
tblVehicleEF	OBUS	1.99	1.93
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	7.4000e-004	7.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	7.7000e-004

tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	4.79	4.41
tblVehicleEF	OBUS	79.82	80.67
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.51	0.52
tblVehicleEF	OBUS	1.96	1.90
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.28

tblVehicleEF	OBUS	7.7400e-004	7.8200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	7.6600e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8450e-003	4.8180e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.09	4.69
tblVehicleEF	OBUS	71.43	72.16
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
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tblVehicleEF	OBUS	0.54	0.55
tblVehicleEF	OBUS	2.00	1.94
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004

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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.30
tblVehicleEF	OBUS	6.9400e-004	7.0100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	7.7000e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.38	8.62
tblVehicleEF	SBUS	1.03	0.85
tblVehicleEF	SBUS	8.97	8.29
tblVehicleEF	SBUS	1,100.64	1,070.68
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
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tblVehicleEF	SBUS	3.91	3.21
tblVehicleEF	SBUS	11.93	11.39
tblVehicleEF	SBUS	8.0260e-003	5.9080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	7.6790e-003	5.6520e-003

tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.44
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	7.3600e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.48
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.27	8.53
tblVehicleEF	SBUS	1.04	0.86
tblVehicleEF	SBUS	7.41	6.84
tblVehicleEF	SBUS	1,149.38	1,116.92
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.69	7.32

tblVehicleEF	SBUS	3.69	3.03
tblVehicleEF	SBUS	11.90	11.36
tblVehicleEF	SBUS	6.7660e-003	4.9800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	6.4740e-003	4.7650e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.40
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	7.1200e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.46	0.43
tblVehicleEF	SBUS	0.84	0.83
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07

tblVehicleEF	SBUS	8.52	8.75
tblVehicleEF	SBUS	1.02	0.84
tblVehicleEF	SBUS	9.12	8.42
tblVehicleEF	SBUS	1,033.33	1,006.83
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.05	6.78
tblVehicleEF	SBUS	3.84	3.15
tblVehicleEF	SBUS	11.94	11.40
tblVehicleEF	SBUS	9.7670e-003	7.1890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	9.3440e-003	6.8780e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.00	1.03
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.45
tblVehicleEF	SBUS	0.01	9.9070e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	7.3900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.45	1.49

tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.49
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.06	6.98
tblVehicleEF	UBUS	12.43	11.13
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.94	3.21
tblVehicleEF	UBUS	13.12	12.84
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	0.44	0.29
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.94	0.88
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5920e-003	1.5890e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	2.18	1.82

tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.03	0.97
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	8.11	7.01
tblVehicleEF	UBUS	10.96	9.86
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.69	3.01
tblVehicleEF	UBUS	13.05	12.78
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	0.44	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.87	0.82
tblVehicleEF	UBUS	8.5780e-003	8.4530e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	2.18	1.83
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	1.69	1.49

tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.05	6.97
tblVehicleEF	UBUS	12.68	11.35
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.86	3.14
tblVehicleEF	UBUS	13.14	12.86
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	0.43	0.29
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5960e-003	1.5930e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	2.17	1.82
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	1.04	0.98
tblWater	IndoorWaterUseRate	16,002,500.00	15,466,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6003	33.3210	29.0905	0.0631	3.6809	1.4409	5.1218	0.6489	1.3651	2.0141	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744
Maximum	3.6003	33.3210	29.0905	0.0631	3.6809	1.4409	5.1218	0.6489	1.3651	2.0141	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6003	33.3210	29.0905	0.0631	3.6809	1.4409	5.1218	0.6489	1.3651	2.0141	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744
Maximum	3.6003	33.3210	29.0905	0.0631	3.6809	1.4409	5.1218	0.6489	1.3651	2.0141	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Total	2.2625	2.8651	10.5213	0.0466	4.5308	0.0596	4.5904	1.2115	0.0574	1.2689		4,978.2266	4,978.2266	0.1759	8.5500e-003	4,985.1721

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Total	2.2625	2.8651	10.5213	0.0466	4.5308	0.0596	4.5904	1.2115	0.0574	1.2689		4,978.2266	4,978.2266	0.1759	8.5500e-003	4,985.1721

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	0		158	0.38
Demolition - 7	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of T Hangers - 7	Cranes	1	6.00	231	0.29
Construction of T Hangers - 7	Forklifts	1	6.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T Hangers - 7	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	5	13.00	0.00	846.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	7	29.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0918	3.1368	0.9428	9.9700e-003	0.2338	9.2700e-003	0.2431	0.0640	8.8700e-003	0.0729		1,116.6123	1,116.6123	0.1159		1,119.5086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1361	3.1625	1.3113	0.0113	0.3791	0.0102	0.3893	0.1025	9.7200e-003	0.1123		1,248.3285	1,248.3285	0.1185		1,251.2912

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0918	3.1368	0.9428	9.9700e-003	0.2338	9.2700e-003	0.2431	0.0640	8.8700e-003	0.0729		1,116.6123	1,116.6123	0.1159		1,119.5086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1361	3.1625	1.3113	0.0113	0.3791	0.0102	0.3893	0.1025	9.7200e-003	0.1123		1,248.3285	1,248.3285	0.1185		1,251.2912

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.9763	0.2702	2.6800e-003	0.0703	1.8600e-003	0.0721	0.0202	1.7800e-003	0.0220		292.7679	292.7679	0.0225		293.3293
Worker	0.0989	0.0574	0.8221	2.9500e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		293.8284	293.8284	5.9300e-003		293.9767
Total	0.1265	1.0337	1.0923	5.6300e-003	0.3944	3.9200e-003	0.3984	0.1062	3.6700e-003	0.1099		586.5962	586.5962	0.0284		587.3061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.9763	0.2702	2.6800e-003	0.0703	1.8600e-003	0.0721	0.0202	1.7800e-003	0.0220		292.7679	292.7679	0.0225		293.3293
Worker	0.0989	0.0574	0.8221	2.9500e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		293.8284	293.8284	5.9300e-003		293.9767
Total	0.1265	1.0337	1.0923	5.6300e-003	0.3944	3.9200e-003	0.3984	0.1062	3.6700e-003	0.1099		586.5962	586.5962	0.0284		587.3061

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Unmitigated	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	482.32	91.34	47.06	1,613,171	1,613,171
Total	482.32	91.34	47.06	1,613,171	1,613,171

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
NaturalGas Unmitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3962.41	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.96241	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7 ALT1 - Orange County, Winter

**JWA Phase 7 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.20	1000sqft	1.59	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Table Name	Column Name	Default Value	New Value
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tblAreaCoating	Area_Nonresidential_Exterior	34600	33441
tblAreaCoating	Area_Nonresidential_Interior	103800	100323
tblAreaCoating	Area_Parking	0	6629
tblConstructionPhase	NumDays	200.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	5.7840e-003	5.7610e-003
tblFleetMix	MCY	4.9410e-003	4.9610e-003
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MH	9.0400e-004	8.5400e-004
tblFleetMix	MHD	0.03	0.03
tblFleetMix	OBUS	1.7750e-003	1.8070e-003
tblFleetMix	SBUS	5.9800e-004	6.0600e-004
tblFleetMix	UBUS	1.5240e-003	1.4890e-003
tblSolidWaste	SolidWasteGenerationRate	85.81	82.93
tblVehicleEF	HHD	0.47	0.42
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.07	0.06
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tblVehicleEF	HHD	1.25	1.29
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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	5.8180e-003	5.6830e-003
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tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.36	0.34
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
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tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	5.5300e-004	5.0800e-004

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	0.03	0.03
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tblVehicleEF	LDA	0.05	0.04
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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01

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tblVehicleEF	LDT1	0.01	8.9170e-003
tblVehicleEF	LDT1	1.00	0.85
tblVehicleEF	LDT1	2.24	1.85
tblVehicleEF	LDT1	303.32	282.04
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	3.0440e-003	2.8290e-003
tblVehicleEF	LDT1	7.1900e-004	6.7100e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	8.4500e-003	6.9040e-003
tblVehicleEF	LDT1	9.9950e-003	8.0030e-003

tblVehicleEF	LDT1	1.08	0.91
tblVehicleEF	LDT1	1.93	1.60
tblVehicleEF	LDT1	315.58	293.45
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.08	0.06
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	3.1680e-003	2.9440e-003
tblVehicleEF	LDT1	7.1300e-004	6.6600e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	7.9040e-003	6.4480e-003
tblVehicleEF	LDT1	0.01	9.1050e-003
tblVehicleEF	LDT1	0.97	0.82
tblVehicleEF	LDT1	2.30	1.91
tblVehicleEF	LDT1	298.79	277.83
tblVehicleEF	LDT1	67.98	63.89

tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	2.9980e-003	2.7870e-003
tblVehicleEF	LDT1	7.2000e-004	6.7200e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT2	4.9710e-003	4.2560e-003
tblVehicleEF	LDT2	5.3310e-003	4.3490e-003
tblVehicleEF	LDT2	0.67	0.60
tblVehicleEF	LDT2	1.19	1.03
tblVehicleEF	LDT2	342.73	316.54
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003

tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.4320e-003	3.1690e-003
tblVehicleEF	LDT2	7.8300e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	5.2490e-003	4.4960e-003
tblVehicleEF	LDT2	4.8000e-003	3.9210e-003
tblVehicleEF	LDT2	0.73	0.66
tblVehicleEF	LDT2	1.03	0.90
tblVehicleEF	LDT2	356.77	329.50
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	3.5730e-003	3.2990e-003
tblVehicleEF	LDT2	7.8100e-004	7.2400e-004
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	4.8770e-003	4.1760e-003
tblVehicleEF	LDT2	5.4400e-003	4.4370e-003
tblVehicleEF	LDT2	0.65	0.58
tblVehicleEF	LDT2	1.22	1.06
tblVehicleEF	LDT2	337.54	311.75
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.06

tblVehicleEF	LDT2	3.3800e-003	3.1210e-003
tblVehicleEF	LDT2	7.8400e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.3180e-003	6.6120e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.21	1.93
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	0.93	0.83
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.22	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5200e-004	3.2700e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.4720e-003	6.7190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.65	0.54
tblVehicleEF	LHD1	2.11	1.85
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.00	0.83
tblVehicleEF	LHD1	0.90	0.80
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003

tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.22	0.18
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7620e-003	5.6340e-003
tblVehicleEF	LHD1	3.5100e-004	3.2600e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.24	0.20
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.2770e-003	6.5830e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.22	1.94
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70

tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.05	0.86
tblVehicleEF	LHD1	0.94	0.84
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.23	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5300e-004	3.2700e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003

tblVehicleEF	LHD2	3.3120e-003	2.7710e-003
tblVehicleEF	LHD2	7.2560e-003	5.7240e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.05
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.46
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3450e-003	2.7950e-003
tblVehicleEF	LHD2	7.0320e-003	5.5590e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.13	1.01
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.43
tblVehicleEF	LHD2	0.49	0.41
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004

tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3030e-003	2.7640e-003
tblVehicleEF	LHD2	7.3020e-003	5.7580e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.06
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.45
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003

tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.11	17.78
tblVehicleEF	MCY	9.59	9.63
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.12	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003

tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.35	2.33
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.03	2.01
tblVehicleEF	MCY	2.1510e-003	2.1500e-003
tblVehicleEF	MCY	6.6200e-004	6.5500e-004
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.93	2.91
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.46	17.16
tblVehicleEF	MCY	8.83	8.85
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69

tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.30	2.28
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.83	1.81
tblVehicleEF	MCY	6.4300e-004	6.3600e-004
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.86	2.85
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.99	1.97
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.21	17.87
tblVehicleEF	MCY	9.71	9.76
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.36	2.34
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.07	2.05
tblVehicleEF	MCY	2.1530e-003	2.1520e-003

tblVehicleEF	MCY	6.6500e-004	6.5800e-004
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.94	2.92
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.25	2.23
tblVehicleEF	MDV	9.1870e-003	7.5110e-003
tblVehicleEF	MDV	0.01	9.2910e-003
tblVehicleEF	MDV	1.04	0.89
tblVehicleEF	MDV	2.15	1.78
tblVehicleEF	MDV	467.69	434.17
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6820e-003	4.3440e-003
tblVehicleEF	MDV	1.0560e-003	9.8200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07

tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	9.6820e-003	7.9230e-003
tblVehicleEF	MDV	0.01	8.3650e-003
tblVehicleEF	MDV	1.13	0.96
tblVehicleEF	MDV	1.86	1.54
tblVehicleEF	MDV	486.30	451.43
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	4.8690e-003	4.5180e-003
tblVehicleEF	MDV	1.0510e-003	9.7800e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.16	0.12
tblVehicleEF	MDV	9.0170e-003	7.3710e-003

tblVehicleEF	MDV	0.01	9.4820e-003
tblVehicleEF	MDV	1.01	0.86
tblVehicleEF	MDV	2.21	1.83
tblVehicleEF	MDV	460.81	427.80
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.20	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6120e-003	4.2800e-003
tblVehicleEF	MDV	1.0570e-003	9.8300e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.49	1.13
tblVehicleEF	MH	4.71	4.26
tblVehicleEF	MH	1,100.52	1,092.39

tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.24	1.09
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5000e-004	6.3900e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.27
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.53	1.16
tblVehicleEF	MH	4.46	4.04
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.16	1.01

tblVehicleEF	MH	0.67	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.4600e-004	6.3500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.48	1.12
tblVehicleEF	MH	4.74	4.29
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.22	1.07
tblVehicleEF	MH	0.71	0.66
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5100e-004	6.4000e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9430e-003	2.4630e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.33	0.32
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.08	4.27
tblVehicleEF	MHD	141.00	145.52
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.36	0.37
tblVehicleEF	MHD	0.69	0.67

tblVehicleEF	MHD	10.82	11.16
tblVehicleEF	MHD	7.6000e-005	6.2000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	7.2000e-005	6.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.31	0.27
tblVehicleEF	MHD	1.3570e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7100e-004	6.2800e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.34	0.29
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.9770e-003	2.4860e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.24	0.23
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	4.84	4.07

tblVehicleEF	MHD	149.34	154.13
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.37	0.38
tblVehicleEF	MHD	0.65	0.64
tblVehicleEF	MHD	10.79	11.13
tblVehicleEF	MHD	6.4000e-005	5.3000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	6.1000e-005	5.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.30	0.26
tblVehicleEF	MHD	1.4350e-003	1.4810e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.6700e-004	6.2500e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.33	0.28
tblVehicleEF	MHD	0.02	0.02

tblVehicleEF	MHD	2.9330e-003	2.4570e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.12	4.31
tblVehicleEF	MHD	129.46	133.61
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.34	0.36
tblVehicleEF	MHD	0.68	0.66
tblVehicleEF	MHD	10.83	11.17
tblVehicleEF	MHD	9.2000e-005	7.6000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	8.8000e-005	7.3000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.27
tblVehicleEF	MHD	1.2480e-003	1.2870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7200e-004	6.2900e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.04	0.03

tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8760e-003	4.8420e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.05	4.65
tblVehicleEF	OBUS	76.29	77.10
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.55	0.56
tblVehicleEF	OBUS	1.99	1.93
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	7.4000e-004	7.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	7.7000e-004

tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.9810e-003	4.9210e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	4.79	4.41
tblVehicleEF	OBUS	79.82	80.67
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.51	0.52
tblVehicleEF	OBUS	1.96	1.90
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.28

tblVehicleEF	OBUS	7.7400e-004	7.8200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	7.6600e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8450e-003	4.8180e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.09	4.69
tblVehicleEF	OBUS	71.43	72.16
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.54	0.55
tblVehicleEF	OBUS	2.00	1.94
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.30
tblVehicleEF	OBUS	6.9400e-004	7.0100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	7.7000e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.38	8.62
tblVehicleEF	SBUS	1.03	0.85
tblVehicleEF	SBUS	8.97	8.29
tblVehicleEF	SBUS	1,100.64	1,070.68
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.42	7.09
tblVehicleEF	SBUS	3.91	3.21
tblVehicleEF	SBUS	11.93	11.39
tblVehicleEF	SBUS	8.0260e-003	5.9080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	7.6790e-003	5.6520e-003

tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.44
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	7.3600e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.48
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.27	8.53
tblVehicleEF	SBUS	1.04	0.86
tblVehicleEF	SBUS	7.41	6.84
tblVehicleEF	SBUS	1,149.38	1,116.92
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.69	7.32

tblVehicleEF	SBUS	3.69	3.03
tblVehicleEF	SBUS	11.90	11.36
tblVehicleEF	SBUS	6.7660e-003	4.9800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	6.4740e-003	4.7650e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.40
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	7.1200e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.46	0.43
tblVehicleEF	SBUS	0.84	0.83
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07

tblVehicleEF	SBUS	8.52	8.75
tblVehicleEF	SBUS	1.02	0.84
tblVehicleEF	SBUS	9.12	8.42
tblVehicleEF	SBUS	1,033.33	1,006.83
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.05	6.78
tblVehicleEF	SBUS	3.84	3.15
tblVehicleEF	SBUS	11.94	11.40
tblVehicleEF	SBUS	9.7670e-003	7.1890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	9.3440e-003	6.8780e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.00	1.03
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.45
tblVehicleEF	SBUS	0.01	9.9070e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	7.3900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.45	1.49

tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.49
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.06	6.98
tblVehicleEF	UBUS	12.43	11.13
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.94	3.21
tblVehicleEF	UBUS	13.12	12.84
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	0.44	0.29
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.94	0.88
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5920e-003	1.5890e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	2.18	1.82

tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.03	0.97
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	8.11	7.01
tblVehicleEF	UBUS	10.96	9.86
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.69	3.01
tblVehicleEF	UBUS	13.05	12.78
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	0.44	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.87	0.82
tblVehicleEF	UBUS	8.5780e-003	8.4530e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	2.18	1.83
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	1.69	1.49

tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.05	6.97
tblVehicleEF	UBUS	12.68	11.35
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.86	3.14
tblVehicleEF	UBUS	13.14	12.86
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	0.43	0.29
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5960e-003	1.5930e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	2.17	1.82
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	1.04	0.98
tblWater	IndoorWaterUseRate	16,002,500.00	15,466,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6233	33.3603	29.0671	0.0627	3.6809	1.4411	5.1220	0.6489	1.3654	2.0143	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289
Maximum	3.6233	33.3603	29.0671	0.0627	3.6809	1.4411	5.1220	0.6489	1.3654	2.0143	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6233	33.3603	29.0671	0.0627	3.6809	1.4411	5.1220	0.6489	1.3654	2.0143	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289
Maximum	3.6233	33.3603	29.0671	0.0627	3.6809	1.4411	5.1220	0.6489	1.3654	2.0143	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Total	2.2499	2.9420	9.9611	0.0447	4.5308	0.0597	4.5905	1.2115	0.0575	1.2690		4,784.7150	4,784.7150	0.1749	8.5500e-003	4,791.6345

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Total	2.2499	2.9420	9.9611	0.0447	4.5308	0.0597	4.5905	1.2115	0.0575	1.2690		4,784.7150	4,784.7150	0.1749	8.5500e-003	4,791.6345

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	0		158	0.38
Demolition - 7	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of T Hangers - 7	Cranes	1	6.00	231	0.29
Construction of T Hangers - 7	Forklifts	1	6.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T Hangers - 7	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	5	13.00	0.00	846.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	7	29.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000				0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921			2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231		2,323.4168	2,323.4168	0.5921			2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0941	3.1708	0.9871	9.8200e-003	0.2338	9.4400e-003	0.2432	0.0640	9.0300e-003	0.0730		1,099.5844	1,099.5844	0.1183			1,102.5415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003			124.7301
Total	0.1444	3.1991	1.3267	0.0111	0.3791	0.0104	0.3895	0.1025	9.8800e-003	0.1124		1,224.2517	1,224.2517	0.1208			1,227.2716

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0941	3.1708	0.9871	9.8200e-003	0.2338	9.4400e-003	0.2432	0.0640	9.0300e-003	0.0730		1,099.5844	1,099.5844	0.1183		1,102.5415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.1444	3.1991	1.3267	0.0111	0.3791	0.0104	0.3895	0.1025	9.8800e-003	0.1124		1,224.2517	1,224.2517	0.1208		1,227.2716

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0290	0.9733	0.2961	2.6200e-003	0.0703	1.9400e-003	0.0722	0.0202	1.8500e-003	0.0221		285.5482	285.5482	0.0235		286.1360
Worker	0.1123	0.0630	0.7574	2.7900e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		278.1039	278.1039	5.6100e-003		278.2441
Total	0.1413	1.0364	1.0535	5.4100e-003	0.3944	4.0000e-003	0.3984	0.1062	3.7400e-003	0.1099		563.6521	563.6521	0.0291		564.3802

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0290	0.9733	0.2961	2.6200e-003	0.0703	1.9400e-003	0.0722	0.0202	1.8500e-003	0.0221		285.5482	285.5482	0.0235		286.1360
Worker	0.1123	0.0630	0.7574	2.7900e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		278.1039	278.1039	5.6100e-003		278.2441
Total	0.1413	1.0364	1.0535	5.4100e-003	0.3944	4.0000e-003	0.3984	0.1062	3.7400e-003	0.1099		563.6521	563.6521	0.0291		564.3802

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Unmitigated	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	482.32	91.34	47.06	1,613,171	1,613,171
Total	482.32	91.34	47.06	1,613,171	1,613,171

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
NaturalGas Unmitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3962.41	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.96241	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 8-9 ALT1 - Orange County, Summer

**JWA Phase 8-9 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	34.50	1000sqft	0.79	34,500.00	0
Other Non-Asphalt Surfaces	6.72	1000sqft	0.15	6,720.00	0
Other Non-Asphalt Surfaces	111.09	1000sqft	2.55	111,090.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Year	lb/day										lb/day					
2023	5.1399	49.0286	48.2323	0.0958	7.8363	2.2130	10.0493	3.6538	2.0480	5.7018	0.0000	9,301.5392	9,301.5392	2.5956	0.0000	9,366.4282
Maximum	5.1399	49.0286	48.2323	0.0958	7.8363	2.2130	10.0493	3.6538	2.0480	5.7018	0.0000	9,301.5392	9,301.5392	2.5956	0.0000	9,366.4282

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.1399	49.0286	48.2323	0.0958	3.4488	2.2130	5.6619	1.5296	2.0480	3.5776	0.0000	9,301.5391	9,301.5391	2.5956	0.0000	9,366.4282
Maximum	5.1399	49.0286	48.2323	0.0958	3.4488	2.2130	5.6619	1.5296	2.0480	3.5776	0.0000	9,301.5391	9,301.5391	2.5956	0.0000	9,366.4282

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.99	0.00	43.66	58.14	0.00	37.26	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.4268	0.5185	1.9140	7.8700e-003	0.7538	7.1600e-003	0.7609	0.2016	6.7800e-003	0.2084		814.8257	814.8257	0.0307	5.4000e-004	815.7542

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.4268	0.5185	1.9140	7.8700e-003	0.7538	7.1600e-003	0.7609	0.2016	6.7800e-003	0.2084		814.8257	814.8257	0.0307	5.4000e-004	815.7542

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 8	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 8	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 8	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9	Building Construction	6/1/2023	9/18/2023	5	78	

6	Construction of Park Spaces / Lighting - 8	Paving	9/18/2023	11/14/2023	5	42
7	Misc Concrete - 9	Paving	11/14/2023	12/21/2023	5	28

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 8	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 8	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 8	Excavators	3	8.00	158	0.38
Demolition - 9	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9	Excavators	3	8.00	158	0.38
Demolition - 9	Rubber Tired Dozers	2	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Graders	1	8.00	187	0.41
Construction Trench Drains and Site Utilities - 8	Rubber Tired Dozers	1	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Flight School Office - 9	Cranes	1	7.00	231	0.29
Construction of Flight School Office - 9	Forklifts	3	8.00	89	0.20
Construction of Flight School Office - 9	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Flight School Office - 9	Welders	1	8.00	46	0.45
Concrete - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Concrete - 8	Pavers	1	8.00	130	0.42
Concrete - 8	Paving Equipment	2	6.00	132	0.36
Concrete - 8	Rollers	2	6.00	80	0.38
Concrete - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting - 8	Cement and Mortar Mixers	2	6.00	9	0.56

Category	lb/day										lb/day					
Fugitive Dust					1.0526	0.0000	1.0526	0.1594	0.0000	0.1594			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	3,746.9840	3,746.9840	1.0494			3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.0526	0.9975	2.0501	0.1594	0.9280	1.0874	3,746.9840	3,746.9840	1.0494			3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0229	0.7283	0.3260	3.4600e-003	0.0849	1.4200e-003	0.0863	0.0232	1.3600e-003	0.0246		389.3090	389.3090	0.0406			390.3228
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003			146.2070
Total	0.0713	0.7552	0.7225	4.9200e-003	0.2525	2.4700e-003	0.2550	0.0677	2.3200e-003	0.0700		535.4464	535.4464	0.0433			536.5298

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4105	0.0000	0.4105	0.0622	0.0000	0.0622			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Total	2.2691	21.4844	19.6434	0.0388	0.4105	0.9975	1.4081	0.0622	0.9280	0.9902	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0229	0.7283	0.3260	3.4600e-003	0.0849	1.4200e-003	0.0863	0.0232	1.3600e-003	0.0246		389.3090	389.3090	0.0406		390.3228
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0713	0.7552	0.7225	4.9200e-003	0.2525	2.4700e-003	0.2550	0.0677	2.3200e-003	0.0700		535.4464	535.4464	0.0433		536.5298

3.3 Construction Trench Drains and Site Utilities - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.1399	0.7749	6.9148	3.3230	0.7129	4.0359		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3946	0.0000	2.3946	1.2960	0.0000	1.2960			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.3946	0.7749	3.1695	1.2960	0.7129	2.0089	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

3.4 Concrete - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

3.5 Demolition - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5263	0.0000	0.5263	0.0797	0.0000	0.0797			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.5263	0.9975	1.5239	0.0797	0.9280	1.0077		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0114	0.3641	0.1630	1.7300e-003	0.0424	7.1000e-004	0.0432	0.0116	6.8000e-004	0.0123		194.6545	194.6545	0.0203		195.1614
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0599	0.3911	0.5595	3.1900e-003	0.2101	1.7600e-003	0.2119	0.0561	1.6400e-003	0.0577		340.7919	340.7919	0.0231		341.3684

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2053	0.0000	0.2053	0.0311	0.0000	0.0311			0.0000			0.0000

Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.2053	0.9975	1.2028	0.0311	0.9280	0.9591	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0114	0.3641	0.1630	1.7300e-003	0.0424	7.1000e-004	0.0432	0.0116	6.8000e-004	0.0123		194.6545	194.6545	0.0203		195.1614
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0599	0.3911	0.5595	3.1900e-003	0.2101	1.7600e-003	0.2119	0.0561	1.6400e-003	0.0577		340.7919	340.7919	0.0231		341.3684

3.6 Construction of Flight School Office - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0516	1.8087	0.6191	6.3700e-003	0.1725	2.1800e-003	0.1747	0.0496	2.0800e-003	0.0517		696.7797	696.7797	0.0513		698.0609
Worker	0.2164	0.1204	1.7713	6.5400e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		652.7472	652.7472	0.0124		653.0581
Total	0.2680	1.9291	2.3903	0.0129	0.9214	6.8500e-003	0.9282	0.2483	6.3800e-003	0.2546		1,349.5268	1,349.5268	0.0637		1,351.1189

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0516	1.8087	0.6191	6.3700e-003	0.1725	2.1800e-003	0.1747	0.0496	2.0800e-003	0.0517		696.7797	696.7797	0.0513		698.0609
Worker	0.2164	0.1204	1.7713	6.5400e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		652.7472	652.7472	0.0124		653.0581
Total	0.2680	1.9291	2.3903	0.0129	0.9214	6.8500e-003	0.9282	0.2483	6.3800e-003	0.2546		1,349.5268	1,349.5268	0.0637		1,351.1189

3.7 Construction of Park Spaces / Lighting - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

3.8 Misc Concrete - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Unmitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Unmitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 8-9 ALT1 - Orange County, Winter

JWA Phase 8-9 ALT1
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	34.50	1000sqft	0.79	34,500.00	0
Other Non-Asphalt Surfaces	6.72	1000sqft	0.15	6,720.00	0
Other Non-Asphalt Surfaces	111.09	1000sqft	2.55	111,090.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Year	lb/day										lb/day					
2023	5.1628	49.0412	48.1375	0.0955	7.8363	2.2131	10.0493	3.6538	2.0481	5.7018	0.0000	9,269.6064	9,269.6064	2.5958	0.0000	9,334.5005
Maximum	5.1628	49.0412	48.1375	0.0955	7.8363	2.2131	10.0493	3.6538	2.0481	5.7018	0.0000	9,269.6064	9,269.6064	2.5958	0.0000	9,334.5005

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.1628	49.0412	48.1375	0.0955	3.4488	2.2131	5.6619	1.5296	2.0481	3.5776	0.0000	9,269.6064	9,269.6064	2.5958	0.0000	9,334.5005
Maximum	5.1628	49.0412	48.1375	0.0955	3.4488	2.2131	5.6619	1.5296	2.0481	3.5776	0.0000	9,269.6064	9,269.6064	2.5958	0.0000	9,334.5005

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	55.99	0.00	43.66	58.14	0.00	37.25	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.4241	0.5318	1.8282	7.5300e-003	0.7538	7.1800e-003	0.7610	0.2016	6.8000e-003	0.2084		780.5889	780.5889	0.0306	5.4000e-004	781.5153

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.4241	0.5318	1.8282	7.5300e-003	0.7538	7.1800e-003	0.7610	0.2016	6.8000e-003	0.2084		780.5889	780.5889	0.0306	5.4000e-004	781.5153

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 8	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 8	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 8	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9	Building Construction	6/1/2023	9/18/2023	5	78	

6	Construction of Park Spaces / Lighting - 8	Paving	9/18/2023	11/14/2023	5	42
7	Misc Concrete - 9	Paving	11/14/2023	12/21/2023	5	28

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 8	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 8	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 8	Excavators	3	8.00	158	0.38
Demolition - 9	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9	Excavators	3	8.00	158	0.38
Demolition - 9	Rubber Tired Dozers	2	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Graders	1	8.00	187	0.41
Construction Trench Drains and Site Utilities - 8	Rubber Tired Dozers	1	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Flight School Office - 9	Cranes	1	7.00	231	0.29
Construction of Flight School Office - 9	Forklifts	3	8.00	89	0.20
Construction of Flight School Office - 9	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Flight School Office - 9	Welders	1	8.00	46	0.45
Concrete - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Concrete - 8	Pavers	1	8.00	130	0.42
Concrete - 8	Paving Equipment	2	6.00	132	0.36
Concrete - 8	Rollers	2	6.00	80	0.38
Concrete - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting - 8	Cement and Mortar Mixers	2	6.00	9	0.56

Category	lb/day										lb/day					
Fugitive Dust					1.0526	0.0000	1.0526	0.1594	0.0000	0.1594			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	3,746.9840	3,746.9840	1.0494			3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.0526	0.9975	2.0501	0.1594	0.9280	1.0874	3,746.9840	3,746.9840	1.0494			3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0234	0.7320	0.3371	3.4100e-003	0.0849	1.4700e-003	0.0863	0.0232	1.4100e-003	0.0246		383.4218	383.4218	0.0413			384.4535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003			138.3895
Total	0.0786	0.7616	0.7019	4.8000e-003	0.2525	2.5200e-003	0.2551	0.0677	2.3700e-003	0.0701		521.7456	521.7456	0.0439			522.8430

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.4105	0.0000	0.4105	0.0622	0.0000	0.0622			0.0000			0.0000	
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494			3,773.2183

Total	2.2691	21.4844	19.6434	0.0388	0.4105	0.9975	1.4081	0.0622	0.9280	0.9902	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0234	0.7320	0.3371	3.4100e-003	0.0849	1.4700e-003	0.0863	0.0232	1.4100e-003	0.0246		383.4218	383.4218	0.0413		384.4535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0786	0.7616	0.7019	4.8000e-003	0.2525	2.5200e-003	0.2551	0.0677	2.3700e-003	0.0701		521.7456	521.7456	0.0439		522.8430

3.3 Construction Trench Drains and Site Utilities - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.1399	0.7749	6.9148	3.3230	0.7129	4.0359		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3946	0.0000	2.3946	1.2960	0.0000	1.2960			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.3946	0.7749	3.1695	1.2960	0.7129	2.0089	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

3.4 Concrete - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

3.5 Demolition - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5263	0.0000	0.5263	0.0797	0.0000	0.0797			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.5263	0.9975	1.5239	0.0797	0.9280	1.0077		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0117	0.3660	0.1685	1.7100e-003	0.0424	7.4000e-004	0.0432	0.0116	7.0000e-004	0.0123		191.7109	191.7109	0.0206		192.2267
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0669	0.3956	0.5333	3.1000e-003	0.2101	1.7900e-003	0.2119	0.0561	1.6600e-003	0.0578		330.0347	330.0347	0.0233		330.6163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2053	0.0000	0.2053	0.0311	0.0000	0.0311			0.0000			0.0000

Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.2053	0.9975	1.2028	0.0311	0.9280	0.9591	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0117	0.3660	0.1685	1.7100e-003	0.0424	7.4000e-004	0.0432	0.0116	7.0000e-004	0.0123		191.7109	191.7109	0.0206		192.2267
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0669	0.3956	0.5333	3.1000e-003	0.2101	1.7900e-003	0.2119	0.0561	1.6600e-003	0.0578		330.0347	330.0347	0.0233		330.6163

3.6 Construction of Flight School Office - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0542	1.7983	0.6677	6.2200e-003	0.1725	2.3100e-003	0.1748	0.0496	2.2100e-003	0.0519		679.8850	679.8850	0.0534		681.2190
Worker	0.2464	0.1322	1.6294	6.1900e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		617.8461	617.8461	0.0118		618.1398
Total	0.3006	1.9305	2.2971	0.0124	0.9214	6.9800e-003	0.9284	0.2483	6.5100e-003	0.2548		1,297.7311	1,297.7311	0.0651		1,299.3588

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0542	1.7983	0.6677	6.2200e-003	0.1725	2.3100e-003	0.1748	0.0496	2.2100e-003	0.0519		679.8850	679.8850	0.0534		681.2190
Worker	0.2464	0.1322	1.6294	6.1900e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		617.8461	617.8461	0.0118		618.1398
Total	0.3006	1.9305	2.2971	0.0124	0.9214	6.9800e-003	0.9284	0.2483	6.5100e-003	0.2548		1,297.7311	1,297.7311	0.0651		1,299.3588

3.7 Construction of Park Spaces / Lighting - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

3.8 Misc Concrete - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Unmitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Unmitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 ALT1 - Orange County, Summer

**JWA Phase 10 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule in RON estimate
- Trips and VMT -
- Demolition -

Grading - * Defined in project schedule in RON estimate

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	25500	24160
tblAreaCoating	Area_Nonresidential_Interior	76500	72479
tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblSolidWaste	SolidWasteGenerationRate	63.24	59.92
tblWater	IndoorWaterUseRate	11,793,750.00	11,174,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5984	17.0171	14.9988	0.0381	5.2115	0.6828	5.8943	0.9265	0.6386	1.5651	0.0000	3,881.2371	3,881.2371	0.7407	0.0000	3,899.7537
2024	5.5844	52.7793	51.9415	0.1138	11.9653	2.1502	14.1155	4.3665	2.0087	6.3752	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051
Maximum	5.5844	52.7793	51.9415	0.1138	11.9653	2.1502	14.1155	4.3665	2.0087	6.3752	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5984	17.0171	14.9988	0.0381	2.8478	0.6828	3.5306	0.5686	0.6386	1.2072	0.0000	3,881.2371	3,881.2371	0.7407	0.0000	3,899.7537
2024	5.5844	52.7793	51.9415	0.1138	5.6047	2.1502	7.7549	1.9545	2.0087	3.9631	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051
Maximum	5.5844	52.7793	51.9415	0.1138	5.6047	2.1502	7.7549	1.9545	2.0087	3.9631	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	50.79	0.00	43.60	52.33	0.00	34.88	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279
Total	1.6928	2.1116	7.7620	0.0344	3.3392	0.0440	3.3831	0.8929	0.0423	0.9352		3,668.9412	3,668.9412	0.1297	6.3000e-003	3,674.0610

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Area	Energy	Mobile	Total											
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0281	0.0281	7.0000e-005	0.0299		
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218	0.0218	0.0218	343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033	
Mobile	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134	3,325.3514	3,325.3514	0.1231	3,328.4279	
Total	1.6928	2.1116	7.7620	0.0344	3.3392	0.0440	3.3831	0.8929	0.0423	0.9352	3,668.9412	3,668.9412	0.1297	6.3000e-003	3,674.0610

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator Drum Storage Area	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Construction of Waste Oil Separator- Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator- Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator- Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20
Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	591.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator-Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	54.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8750	0.6766	4.5516	0.5867	0.6328	1.2195		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0839	2.6754	1.1975	0.0127	1.1912	5.2300e-003	1.1965	0.3012	5.0000e-003	0.3062		1,430.1888	1,430.1888	0.1490		1,433.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1259	2.6987	1.5412	0.0140	1.3366	6.1400e-003	1.3427	0.3398	5.8300e-003	0.3456		1,556.8413	1,556.8413	0.1514		1,560.6259

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.5112	0.6766	2.1879	0.2288	0.6328	0.8616	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0839	2.6754	1.1975	0.0127	1.1912	5.2300e-003	1.1965	0.3012	5.0000e-003	0.3062		1,430.1888	1,430.1888	0.1490		1,433.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1259	2.6987	1.5412	0.0140	1.3366	6.1400e-003	1.3427	0.3398	5.8300e-003	0.3456		1,556.8413	1,556.8413	0.1514		1,560.6259

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000

Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8750	0.6311	4.5061	0.5867	0.5895	1.1762		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0824	2.6086	1.2112	0.0126	0.3755	5.1300e-003	0.3807	0.1010	4.9100e-003	0.1059		1,418.0487	1,418.0487	0.1488		1,421.7696
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1223	2.6299	1.5311	0.0138	0.5208	6.0200e-003	0.5269	0.1395	5.7300e-003	0.1453		1,539.6823	1,539.6823	0.1510		1,543.4580

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	1.5112	0.6311	2.1423	0.2288	0.5895	0.8183	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0824	2.6086	1.2112	0.0126	0.3755	5.1300e-003	0.3807	0.1010	4.9100e-003	0.1059		1,418.0487	1,418.0487	0.1488		1,421.7696
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1223	2.6299	1.5311	0.0138	0.5208	6.0200e-003	0.5269	0.1395	5.7300e-003	0.1453		1,539.6823	1,539.6823	0.1510		1,543.4580

**3.3 Construction of Waste Oil Separator-Drum Storage Area -
Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	6.5523	0.5722	7.1246	3.3675	0.5265	3.8939		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	2.5554	0.5722	3.1277	1.3133	0.5265	1.8398	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1658	0.0883	1.3289	5.0600e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		505.2472	505.2472	9.1000e-003		505.4748
Total	0.2045	1.4775	1.8004	9.9700e-003	0.7378	5.3600e-003	0.7431	0.1987	4.9900e-003	0.2037		1,042.8820	1,042.8820	0.0484		1,044.0911

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1658	0.0883	1.3289	5.0600e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		505.2472	505.2472	9.1000e-003		505.4748
Total	0.2045	1.4775	1.8004	9.9700e-003	0.7378	5.3600e-003	0.7431	0.1987	4.9900e-003	0.2037		1,042.8820	1,042.8820	0.0484		1,044.0911

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279
Unmitigated	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	355.47	67.32	34.68	1,188,898	1,188,898
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	355.47	67.32	34.68	1,188,898	1,188,898

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
NaturalGas Unmitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2920.27	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.92027	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Unmitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 ALT1 - Orange County, Winter

**JWA Phase 10 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

Grading - * Defined in project schedule in RON estimate

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	25500	24160
tblAreaCoating	Area_Nonresidential_Interior	76500	72479
tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblSolidWaste	SolidWasteGenerationRate	63.24	59.92
tblWater	IndoorWaterUseRate	11,793,750.00	11,174,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6063	17.0330	15.0121	0.0379	5.2115	0.6830	5.8945	0.9265	0.6388	1.5652	0.0000	3,852.8378	3,852.8378	0.7432	0.0000	3,871.4166
2024	5.6286	52.7993	51.8347	0.1130	11.9653	2.1505	14.1158	4.3665	2.0089	6.3754	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725
Maximum	5.6286	52.7993	51.8347	0.1130	11.9653	2.1505	14.1158	4.3665	2.0089	6.3754	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6063	17.0330	15.0121	0.0379	2.8478	0.6830	3.5307	0.5686	0.6388	1.2073	0.0000	3,852.8378	3,852.8378	0.7432	0.0000	3,871.4166
2024	5.6286	52.7993	51.8347	0.1130	5.6047	2.1505	7.7551	1.9545	2.0089	3.9634	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725
Maximum	5.6286	52.7993	51.8347	0.1130	5.6047	2.1505	7.7551	1.9545	2.0089	3.9634	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	50.79	0.00	43.60	52.33	0.00	34.88	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Total	1.6835	2.1683	7.3492	0.0330	3.3392	0.0440	3.3832	0.8929	0.0424	0.9353		3,526.3242	3,526.3242	0.1289	6.3000e-003	3,531.4249

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218	0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033	
Mobile	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Total	1.6835	2.1683	7.3492	0.0330	3.3392	0.0440	3.3832	0.8929	0.0424	0.9353		3,526.3242	3,526.3242	0.1289	6.3000e-003	3,531.4249

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator, Drum Storage Area	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Construction of Waste Oil Separator- Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator- Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator- Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20
Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	591.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator-Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	54.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000				0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893			2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8750	0.6766	4.5516	0.5867	0.6328	1.2195		2,324.3959	2,324.3959	0.5893			2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0860	2.6889	1.2383	0.0125	1.1912	5.4100e-003	1.1966	0.3012	5.1700e-003	0.3064		1,408.5613	1,408.5613	0.1516			1,412.3512
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003			119.9376
Total	0.1338	2.7146	1.5544	0.0137	1.3366	6.3200e-003	1.3429	0.3398	6.0000e-003	0.3458		1,528.4419	1,528.4419	0.1539			1,532.2888

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.5112	0.6766	2.1879	0.2288	0.6328	0.8616	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0860	2.6889	1.2383	0.0125	1.1912	5.4100e-003	1.1966	0.3012	5.1700e-003	0.3064		1,408.5613	1,408.5613	0.1516		1,412.3512
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.1338	2.7146	1.5544	0.0137	1.3366	6.3200e-003	1.3429	0.3398	6.0000e-003	0.3458		1,528.4419	1,528.4419	0.1539		1,532.2888

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000

Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8750	0.6311	4.5061	0.5867	0.5895	1.1762		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0845	2.6217	1.2511	0.0124	0.3755	5.2900e-003	0.3808	0.1010	5.0600e-003	0.1061		1,396.7242	1,396.7242	0.1513		1,400.5066
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1300	2.6451	1.5451	0.0136	0.5208	6.1800e-003	0.5270	0.1395	5.8800e-003	0.1454		1,511.8556	1,511.8556	0.1534		1,515.6897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	1.5112	0.6311	2.1423	0.2288	0.5895	0.8183	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0845	2.6217	1.2511	0.0124	0.3755	5.2900e-003	0.3808	0.1010	5.0600e-003	0.1061		1,396.7242	1,396.7242	0.1513		1,400.5066
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1300	2.6451	1.5451	0.0136	0.5208	6.1800e-003	0.5270	0.1395	5.8800e-003	0.1454		1,511.8556	1,511.8556	0.1534		1,515.6897

**3.3 Construction of Waste Oil Separator-Drum Storage Area -
Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	6.5523	0.5722	7.1246	3.3675	0.5265	3.8939		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	2.5554	0.5722	3.1277	1.3133	0.5265	1.8398	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1894	0.0970	1.2212	4.7900e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		478.2381	478.2381	8.5900e-003		478.4529
Total	0.2301	1.4784	1.7294	9.5800e-003	0.7378	5.4500e-003	0.7432	0.1987	5.0800e-003	0.2038		1,002.9020	1,002.9020	0.0494		1,004.1369

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1894	0.0970	1.2212	4.7900e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		478.2381	478.2381	8.5900e-003		478.4529
Total	0.2301	1.4784	1.7294	9.5800e-003	0.7378	5.4500e-003	0.7432	0.1987	5.0800e-003	0.2038		1,002.9020	1,002.9020	0.0494		1,004.1369

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Unmitigated	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	355.47	67.32	34.68	1,188,898	1,188,898
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	355.47	67.32	34.68	1,188,898	1,188,898

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
NaturalGas Unmitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	2920.27	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	2.92027	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Unmitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 ALT1 - Orange County, Summer

**JWA Phase 11 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	76.00	1000sqft	1.74	76,000.00	0
Other Non-Asphalt Surfaces	96.69	1000sqft	2.22	96,687.00	0
Parking Lot	33.60	1000sqft	0.77	33,597.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined by project schedule and RON estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Grading -

Area Coating -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	38000	34772
tblAreaCoating	Area_Nonresidential_Interior	114000	104316
tblAreaCoating	Area_Parking	7817	1155
tblConstructionPhase	NumDays	230.00	126.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	18.00	26.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	96,690.00	96,687.00
tblLandUse	LandUseSquareFeet	33,600.00	33,597.00
tblSolidWaste	SolidWasteGenerationRate	94.24	86.23
tblWater	IndoorWaterUseRate	17,575,000.00	16,081,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.1789	39.5133	44.4975	0.0967	5.8147	1.5886	7.4033	1.0804	1.4833	2.5637	0.0000	9,636.6412	9,636.6412	1.8919	0.0000	9,683.9394

2025	1.6837	14.8203	18.8379	0.0427	1.1897	0.5361	1.7257	0.3204	0.5042	0.8246	0.0000	4,202.6306	4,202.6306	0.6771	0.0000	4,219.5578
Maximum	4.1789	39.5133	44.4975	0.0967	5.8147	1.5886	7.4033	1.0804	1.4833	2.5637	0.0000	9,636.6412	9,636.6412	1.8919	0.0000	9,683.9394

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.1789	39.5133	44.4975	0.0967	3.2981	1.5886	4.8867	0.6993	1.4833	2.1826	0.0000	9,636.6412	9,636.6412	1.8919	0.0000	9,683.9394
2025	1.6837	14.8203	18.8379	0.0427	1.1897	0.5361	1.7257	0.3204	0.5042	0.8246	0.0000	4,202.6306	4,202.6306	0.6771	0.0000	4,219.5578
Maximum	4.1789	39.5133	44.4975	0.0967	3.2981	1.5886	4.8867	0.6993	1.4833	2.1826	0.0000	9,636.6412	9,636.6412	1.8919	0.0000	9,683.9394

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.93	0.00	27.57	27.20	0.00	11.25	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101

Total	2.5144	3.1468	11.5684	0.0512	4.9760	0.0655	5.0415	1.3306	0.0631	1.3937		5,467.4450	5,467.4450	0.1933	9.3900e-003	5,475.0748
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Total	2.5144	3.1468	11.5684	0.0512	4.9760	0.0655	5.0415	1.3306	0.0631	1.3937		5,467.4450	5,467.4450	0.1933	9.3900e-003	5,475.0748

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of FBO Hangars - 11	Building Construction	7/29/2024	1/20/2025	5	126	
3	Misc. Concrete - 11	Paving	9/24/2024	10/29/2024	5	26	
4	Construction of Park Spaces / Lighting - 11	Paving	10/29/2024	12/19/2024	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Excavators	3	8.00	158	0.38
Demolition - 11	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	0		97	0.37
Construction of FBO Hangars - 11	Cranes	1	7.00	231	0.29
Construction of FBO Hangars - 11	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars - 11	Graders	0		187	0.41
Construction of FBO Hangars - 11	Scrapers	0		367	0.48
Construction of FBO Hangars - 11	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars - 11	Welders	1	8.00	46	0.45
Misc. Concrete - 11	Cement and Mortar Mixers	2	6.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	2	6.00	132	0.36
Misc. Concrete - 11	Rollers	2	6.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45
Construction of Park Spaces / Lighting 11	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting 11	Graders	0		187	0.41
Construction of Park Spaces / Lighting 11	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting 11	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting 11	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting 11	Rubber Tired Dozers	0		247	0.40

Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	6	15.00	0.00	705.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars - 11	9	87.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1257	0.0000	4.1257	0.6247	0.0000	0.6247			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	4.1257	0.9602	5.0859	0.6247	0.8922	1.5169		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0877	2.7754	1.2886	0.0134	0.3317	5.4600e-003	0.3372	0.0908	5.2200e-003	0.0960	1,508.7074	1,508.7074	0.1584		1,512.6661
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454	140.3465	140.3465	2.5300e-003		140.4097
Total	0.1338	2.7999	1.6577	0.0148	0.4994	6.4900e-003	0.5059	0.1353	6.1700e-003	0.1414	1,649.0538	1,649.0538	0.1609		1,653.0758

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					1.6090	0.0000	1.6090	0.2436	0.0000	0.2436			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	1.6090	0.9602	2.5692	0.2436	0.8922	1.1358	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0877	2.7754	1.2886	0.0134	0.3317	5.4600e-003	0.3372	0.0908	5.2200e-003	0.0960	1,508.7074	1,508.7074	0.1584			1,512.6661
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454	140.3465	140.3465	2.5300e-003			140.4097

Total	0.1338	2.7999	1.6577	0.0148	0.4994	6.4900e-003	0.5059	0.1353	6.1700e-003	0.1414		1,649.0538	1,649.0538	0.1609		1,653.0758
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3.3 Construction of FBO Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0627	2.2492	0.7634	7.9400e-003	0.2172	2.6800e-003	0.2199	0.0625	2.5700e-003	0.0651		870.4563	870.4563	0.0636		872.0454
Worker	0.2671	0.1423	2.1410	8.1600e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		814.0094	814.0094	0.0147		814.3760
Total	0.3298	2.3915	2.9044	0.0161	1.1897	8.6400e-003	1.1983	0.3204	8.0600e-003	0.3285		1,684.4658	1,684.4658	0.0782		1,686.4214

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0627	2.2492	0.7634	7.9400e-003	0.2172	2.6800e-003	0.2199	0.0625	2.5700e-003	0.0651		870.4563	870.4563	0.0636		872.0454
Worker	0.2671	0.1423	2.1410	8.1600e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		814.0094	814.0094	0.0147		814.3760
Total	0.3298	2.3915	2.9044	0.0161	1.1897	8.6400e-003	1.1983	0.3204	8.0600e-003	0.3285		1,684.4658	1,684.4658	0.0782		1,686.4214

3.3 Construction of FBO Hangars - 11 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0611	2.2200	0.7546	7.8900e-003	0.2172	2.6300e-003	0.2198	0.0625	2.5100e-003	0.0650		865.0611	865.0611	0.0627		866.6293
Worker	0.2552	0.1306	1.9986	7.8300e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		781.0951	781.0951	0.0134		781.4304
Total	0.3163	2.3506	2.7532	0.0157	1.1897	8.5200e-003	1.1982	0.3204	7.9300e-003	0.3283		1,646.156 2	1,646.1562	0.0761		1,648.059 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0611	2.2200	0.7546	7.8900e-003	0.2172	2.6300e-003	0.2198	0.0625	2.5100e-003	0.0650		865.0611	865.0611	0.0627			866.6293
Worker	0.2552	0.1306	1.9986	7.8300e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		781.0951	781.0951	0.0134			781.4304
Total	0.3163	2.3506	2.7532	0.0157	1.1897	8.5200e-003	1.1982	0.3204	7.9300e-003	0.3283		1,646.1562	1,646.1562	0.0761			1,648.0597

3.4 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	187.1286	187.1286	3.3700e-003		187.2129	
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	187.1286	187.1286	3.3700e-003			187.2129

Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
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3.5 Construction of Park Spaces / Lighting - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Unmitigated	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	529.72	100.32	51.68	1,771,691	1,771,691
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	529.72	100.32	51.68	1,771,691	1,771,691

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
NaturalGas Unmitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4351.78	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	4.35178	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324			511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324			511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Unmitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 ALT1 - Orange County, Winter

**JWA Phase 11 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	76.00	1000sqft	1.74	76,000.00	0
Other Non-Asphalt Surfaces	96.69	1000sqft	2.22	96,687.00	0
Parking Lot	33.60	1000sqft	0.77	33,597.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined by project schedule and RON estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Grading -

Area Coating -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	38000	34772
tblAreaCoating	Area_Nonresidential_Interior	114000	104316
tblAreaCoating	Area_Parking	7817	1155
tblConstructionPhase	NumDays	230.00	126.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	18.00	26.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	96,690.00	96,687.00
tblLandUse	LandUseSquareFeet	33,600.00	33,597.00
tblSolidWaste	SolidWasteGenerationRate	94.24	86.23
tblWater	IndoorWaterUseRate	17,575,000.00	16,081,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2287	39.5310	44.3036	0.0958	5.8147	1.5889	7.4037	1.0804	1.4836	2.5640	0.0000	9,541.9355	9,541.9355	1.8961	0.0000	9,589.3377
												5				7

2025	1.7239	14.8207	18.7325	0.0421	1.1897	0.5362	1.7259	0.3204	0.5043	0.8247	0.0000	4,140.1878	4,140.1878	0.6787	0.0000	4,157.1552
Maximum	4.2287	39.5310	44.3036	0.0958	5.8147	1.5889	7.4037	1.0804	1.4836	2.5640	0.0000	9,541.9355	9,541.9355	1.8961	0.0000	9,589.3377

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.2287	39.5310	44.3036	0.0958	3.2981	1.5889	4.8870	0.6993	1.4836	2.1829	0.0000	9,541.9355	9,541.9355	1.8961	0.0000	9,589.3377
2025	1.7239	14.8207	18.7325	0.0421	1.1897	0.5362	1.7259	0.3204	0.5043	0.8247	0.0000	4,140.1878	4,140.1878	0.6787	0.0000	4,157.1552
Maximum	4.2287	39.5310	44.3036	0.0958	3.2981	1.5889	4.8870	0.6993	1.4836	2.1829	0.0000	9,541.9355	9,541.9355	1.8961	0.0000	9,589.3377

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	35.93	0.00	27.57	27.20	0.00	11.24	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544

Total	2.5006	3.2313	10.9532	0.0491	4.9760	0.0656	5.0416	1.3306	0.0632	1.3938		5,254.9178	5,254.9178	0.1922	9.3900e-003	5,262.5191
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Total	2.5006	3.2313	10.9532	0.0491	4.9760	0.0656	5.0416	1.3306	0.0632	1.3938		5,254.9178	5,254.9178	0.1922	9.3900e-003	5,262.5191

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of FBO Hangars - 11	Building Construction	7/29/2024	1/20/2025	5	126	
3	Misc. Concrete - 11	Paving	9/24/2024	10/29/2024	5	26	
4	Construction of Park Spaces / Lighting - 11	Paving	10/29/2024	12/19/2024	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Excavators	3	8.00	158	0.38
Demolition - 11	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	0		97	0.37
Construction of FBO Hangars - 11	Cranes	1	7.00	231	0.29
Construction of FBO Hangars - 11	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars - 11	Graders	0		187	0.41
Construction of FBO Hangars - 11	Scrapers	0		367	0.48
Construction of FBO Hangars - 11	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars - 11	Welders	1	8.00	46	0.45
Misc. Concrete - 11	Cement and Mortar Mixers	2	6.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	2	6.00	132	0.36
Misc. Concrete - 11	Rollers	2	6.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45
Construction of Park Spaces / Lighting 11	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting 11	Graders	0		187	0.41
Construction of Park Spaces / Lighting 11	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting 11	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting 11	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting 11	Rubber Tired Dozers	0		247	0.40

Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	6	15.00	0.00	705.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars - 11	9	87.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1257	0.0000	4.1257	0.6247	0.0000	0.6247			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	4.1257	0.9602	5.0859	0.6247	0.8922	1.5169		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0899	2.7893	1.3310	0.0132	0.3317	5.6300e-003	0.3373	0.0908	5.3800e-003	0.0962	1,486.0195	1,486.0195	0.1610		1,490.0437
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454	132.8439	132.8439	2.3900e-003		132.9036
Total	0.1425	2.8163	1.6703	0.0145	0.4994	6.6600e-003	0.5060	0.1353	6.3300e-003	0.1416	1,618.8634	1,618.8634	0.1634		1,622.9473

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6090	0.0000	1.6090	0.2436	0.0000	0.2436			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	1.6090	0.9602	2.5692	0.2436	0.8922	1.1358	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0899	2.7893	1.3310	0.0132	0.3317	5.6300e-003	0.3373	0.0908	5.3800e-003	0.0962	1,486.0195	1,486.0195	0.1610			1,490.0437
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454	132.8439	132.8439	2.3900e-003			132.9036

Total	0.1425	2.8163	1.6703	0.0145	0.4994	6.6600e-003	0.5060	0.1353	6.3300e-003	0.1416		1,618.8634	1,618.8634	0.1634		1,622.9473
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3.3 Construction of FBO Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0659	2.2365	0.8228	7.7600e-003	0.2172	2.8300e-003	0.2201	0.0625	2.7100e-003	0.0652		849.4558	849.4558	0.0661		851.1076
Worker	0.3051	0.1563	1.9675	7.7200e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		770.4947	770.4947	0.0138		770.8407
Total	0.3710	2.3928	2.7903	0.0155	1.1897	8.7900e-003	1.1985	0.3204	8.2000e-003	0.3286		1,619.9505	1,619.9505	0.0799		1,621.9483

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0659	2.2365	0.8228	7.7600e-003	0.2172	2.8300e-003	0.2201	0.0625	2.7100e-003	0.0652		849.4558	849.4558	0.0661		851.1076
Worker	0.3051	0.1563	1.9675	7.7200e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		770.4947	770.4947	0.0138		770.8407
Total	0.3710	2.3928	2.7903	0.0155	1.1897	8.7900e-003	1.1985	0.3204	8.2000e-003	0.3286		1,619.9505	1,619.9505	0.0799		1,621.9483

3.3 Construction of FBO Hangars - 11 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0642	2.2076	0.8125	7.7000e-003	0.2172	2.7600e-003	0.2200	0.0625	2.6400e-003	0.0652		844.3368	844.3368	0.0651		845.9642
Worker	0.2924	0.1434	1.8354	7.4100e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		739.3767	739.3767	0.0127		739.6929
Total	0.3565	2.3510	2.6479	0.0151	1.1897	8.6500e-003	1.1983	0.3204	8.0600e-003	0.3285		1,583.713 4	1,583.7134	0.0778		1,585.657 1

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0642	2.2076	0.8125	7.7000e-003	0.2172	2.7600e-003	0.2200	0.0625	2.6400e-003	0.0652		844.3368	844.3368	0.0651		845.9642
Worker	0.2924	0.1434	1.8354	7.4100e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		739.3767	739.3767	0.0127		739.6929
Total	0.3565	2.3510	2.6479	0.0151	1.1897	8.6500e-003	1.1983	0.3204	8.0600e-003	0.3285		1,583.7134	1,583.7134	0.0778		1,585.6571

3.4 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	177.1252	177.1252	3.1800e-003		177.2048	
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003	177.2048	

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	177.1252	177.1252	3.1800e-003			177.2048

Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
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3.5 Construction of Park Spaces / Lighting - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Unmitigated	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	529.72	100.32	51.68	1,771,691	1,771,691
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	529.72	100.32	51.68	1,771,691	1,771,691

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
NaturalGas Unmitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4351.78	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4.35178	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Unmitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 ALT1 - Orange County, Summer

**JWA Phase 12 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.67	1000sqft	0.91	39,670.00	0
Other Asphalt Surfaces	143.40	1000sqft	3.29	143,399.00	0
Other Non-Asphalt Surfaces	71.70	1000sqft	1.65	71,699.00	0
Other Non-Asphalt Surfaces	7.97	1000sqft	0.18	7,967.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	19835	69648
tblAreaCoating	Area_Nonresidential_Interior	59505	208943
tblAreaCoating	Area_Parking	13384	21365
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	26.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	5.7660e-003	5.7620e-003

tbIFleetMix	LHD2	5.7660e-003	5.7620e-003
tbIFleetMix	LHD2	5.7660e-003	5.7620e-003
tbIFleetMix	MCY	4.9770e-003	4.9810e-003
tbIFleetMix	MCY	4.9770e-003	4.9810e-003
tbIFleetMix	MCY	4.9770e-003	4.9810e-003
tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MH	8.3600e-004	8.1800e-004
tbIFleetMix	MH	8.3600e-004	8.1800e-004
tbIFleetMix	MH	8.3600e-004	8.1800e-004
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	OBUS	1.8250e-003	1.8380e-003
tbIFleetMix	OBUS	1.8250e-003	1.8380e-003
tbIFleetMix	OBUS	1.8250e-003	1.8380e-003
tbIFleetMix	SBUS	6.1100e-004	6.1500e-004
tbIFleetMix	SBUS	6.1100e-004	6.1500e-004
tbIFleetMix	SBUS	6.1100e-004	6.1500e-004
tbIFleetMix	UBUS	1.4730e-003	1.4610e-003
tbIFleetMix	UBUS	1.4730e-003	1.4610e-003
tbIFleetMix	UBUS	1.4730e-003	1.4610e-003
tbILandUse	LandUseSquareFeet	143,400.00	143,399.00
tbILandUse	LandUseSquareFeet	7,970.00	7,967.00
tbILandUse	LandUseSquareFeet	71,700.00	71,699.00
tbISolidWaste	SolidWasteGenerationRate	49.19	128.09
tbIVehicleEF	HHD	0.39	0.37
tbIVehicleEF	HHD	0.17	0.17
tbIVehicleEF	HHD	0.05	0.05

tblVehicleEF	HHD	1.40	1.37
tblVehicleEF	HHD	1.30	1.32
tblVehicleEF	HHD	4.46	4.59
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tblVehicleEF	HHD	5.5990e-003	5.5220e-003
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tblVehicleEF	HHD	1.1800e-004	1.2300e-004
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tblVehicleEF	HHD	9.2000e-005	9.6000e-005
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tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	9.2000e-005	9.6000e-005
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tblVehicleEF	HHD	4.4000e-004	4.5600e-004
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tblVehicleEF	HHD	1,567.60	1,559.78
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tblVehicleEF	HHD	12.63	12.32
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tblVehicleEF	HHD	5.8520e-003	5.7730e-003
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tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.6800e-004	1.7400e-004
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tblVehicleEF	HHD	0.32	0.31
tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3800e-004

tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	4.2300e-004	4.3800e-004
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tblVehicleEF	HHD	0.42	0.40
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tblVehicleEF	HHD	0.06	0.05
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003

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tblVehicleEF	HHD	9.1000e-005	9.5000e-005
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tblVehicleEF	HHD	4.8300e-004	5.0100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1800e-004	2.2300e-004
tblVehicleEF	HHD	1.1400e-004	1.1700e-004
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tblVehicleEF	HHD	0.44	0.43
tblVehicleEF	HHD	9.1000e-005	9.5000e-005
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tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
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tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.1310e-003	2.0560e-003
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tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	9.3380e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	2.9150e-003	2.7020e-003
tblVehicleEF	LDA	2.5300e-003	2.2770e-003
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tblVehicleEF	LDA	0.63	0.59
tblVehicleEF	LDA	221.83	214.00
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.3280e-003	6.7860e-003

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
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tblVehicleEF	LDA	0.04	0.04
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tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	2.8660e-003	2.5790e-003
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tblVehicleEF	LDA	0.74	0.69
tblVehicleEF	LDA	209.63	202.23
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	6.8070e-003	6.3030e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.0980e-003	2.0240e-003
tblVehicleEF	LDA	4.9000e-004	4.7100e-004

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	9.8910e-003	9.1610e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	5.9740e-003	5.4510e-003
tblVehicleEF	LDT1	7.9960e-003	7.1900e-003
tblVehicleEF	LDT1	0.78	0.73
tblVehicleEF	LDT1	1.69	1.55
tblVehicleEF	LDT1	272.89	264.77
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.7370e-003	2.6550e-003
tblVehicleEF	LDT1	6.4900e-004	6.2800e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02

tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	6.2860e-003	5.7380e-003
tblVehicleEF	LDT1	7.1800e-003	6.4600e-003
tblVehicleEF	LDT1	0.85	0.79
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	283.94	275.49
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.8480e-003	2.7630e-003
tblVehicleEF	LDT1	6.4500e-004	6.2400e-004
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	5.8680e-003	5.3540e-003
tblVehicleEF	LDT1	8.1630e-003	7.3400e-003

tblVehicleEF	LDT1	0.76	0.71
tblVehicleEF	LDT1	1.74	1.59
tblVehicleEF	LDT1	268.81	260.81
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.6960e-003	2.6150e-003
tblVehicleEF	LDT1	6.4900e-004	6.2900e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT2	3.9670e-003	3.7110e-003
tblVehicleEF	LDT2	3.9510e-003	3.6060e-003
tblVehicleEF	LDT2	0.58	0.56
tblVehicleEF	LDT2	0.97	0.91
tblVehicleEF	LDT2	305.47	295.85
tblVehicleEF	LDT2	68.50	66.27

tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.8490e-003	9.2160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0580e-003	2.9620e-003
tblVehicleEF	LDT2	7.0100e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	4.1900e-003	3.9200e-003
tblVehicleEF	LDT2	3.5660e-003	3.2570e-003
tblVehicleEF	LDT2	0.63	0.60
tblVehicleEF	LDT2	0.84	0.80
tblVehicleEF	LDT2	317.98	307.96
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003

tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	9.7340e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	3.1840e-003	3.0840e-003
tblVehicleEF	LDT2	6.9900e-004	6.7500e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.8920e-003	3.6410e-003
tblVehicleEF	LDT2	4.0310e-003	3.6780e-003
tblVehicleEF	LDT2	0.56	0.54
tblVehicleEF	LDT2	0.99	0.94
tblVehicleEF	LDT2	300.86	291.38
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.6640e-003	9.0430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0120e-003	2.9170e-003
tblVehicleEF	LDT2	7.0100e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8690e-003	5.2800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.81	1.71
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.79	0.71
tblVehicleEF	LHD1	0.78	0.73
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003

tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.9560e-003	5.3520e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.49	0.44
tblVehicleEF	LHD1	1.73	1.64
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.75	0.67
tblVehicleEF	LHD1	0.75	0.70

tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.17	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1400e-004	3.0300e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8460e-003	5.2600e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.82	1.72

tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.78	0.70
tblVehicleEF	LHD1	0.79	0.74
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.19	0.18

tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5500e-003	2.3550e-003
tblVehicleEF	LHD2	5.1240e-003	4.6050e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.00	0.96
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.39	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004

tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5710e-003	2.3720e-003
tblVehicleEF	LHD2	4.9820e-003	4.4830e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.96	0.92
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.36	0.30
tblVehicleEF	LHD2	0.38	0.35
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004

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tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6300e-004	2.5700e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5450e-003	2.3500e-003
tblVehicleEF	LHD2	5.1530e-003	4.6300e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.01	0.97
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.38	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003

tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.64	17.52
tblVehicleEF	MCY	9.65	9.67
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003

tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.32	2.31
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	6.5200e-004	6.4900e-004
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.90	2.89
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.18	2.17
tblVehicleEF	MCY	0.48	0.49
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.03	16.92
tblVehicleEF	MCY	8.86	8.87
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.27	2.26
tblVehicleEF	MCY	0.53	0.50

tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	6.3300e-004	6.3000e-004
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.84	2.84
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.97	1.96
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.73	17.61
tblVehicleEF	MCY	9.78	9.80
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.04	2.03
tblVehicleEF	MCY	6.5500e-004	6.5200e-004
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71

tblVehicleEF	MCY	2.91	2.90
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.22	2.21
tblVehicleEF	MDV	6.8660e-003	6.2950e-003
tblVehicleEF	MDV	8.3060e-003	7.4450e-003
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	1.63	1.51
tblVehicleEF	MDV	419.30	405.87
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1950e-003	4.0600e-003
tblVehicleEF	MDV	9.4800e-004	9.1600e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	7.2430e-003	6.6430e-003

tblVehicleEF	MDV	7.4810e-003	6.7100e-003
tblVehicleEF	MDV	0.90	0.85
tblVehicleEF	MDV	1.42	1.31
tblVehicleEF	MDV	435.95	421.98
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	4.3620e-003	4.2220e-003
tblVehicleEF	MDV	9.4400e-004	9.1200e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	6.7380e-003	6.1780e-003
tblVehicleEF	MDV	8.4750e-003	7.5960e-003
tblVehicleEF	MDV	0.80	0.76
tblVehicleEF	MDV	1.68	1.55
tblVehicleEF	MDV	413.15	399.93

tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.14	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1330e-003	4.0000e-003
tblVehicleEF	MDV	9.4900e-004	9.1700e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.85
tblVehicleEF	MH	4.09	3.94
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.02	0.95
tblVehicleEF	MH	0.64	0.62
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3100e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.26	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.01	0.87
tblVehicleEF	MH	3.88	3.73
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	0.95	0.89
tblVehicleEF	MH	0.61	0.60
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004

tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.23	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3100e-004	6.2800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.25	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.84
tblVehicleEF	MH	4.12	3.97
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tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.00	0.94
tblVehicleEF	MH	0.64	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3200e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.27	0.26
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3010e-003	2.1660e-003
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tblVehicleEF	MHD	0.31	0.31
tblVehicleEF	MHD	0.22	0.21
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tblVehicleEF	MHD	147.33	148.89
tblVehicleEF	MHD	1,116.08	1,112.43
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tblVehicleEF	MHD	0.38	0.38
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	11.31	11.43
tblVehicleEF	MHD	5.7000e-005	5.3000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004

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tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.25	0.23
tblVehicleEF	MHD	1.4160e-003	1.4310e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9500e-004
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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.3200e-003	2.1820e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.23	0.22
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.79	3.54
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tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.39	0.39

tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	11.28	11.41
tblVehicleEF	MHD	4.8000e-005	4.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
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tblVehicleEF	MHD	4.6000e-005	4.3000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
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tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.24	0.22
tblVehicleEF	MHD	1.4990e-003	1.5140e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.0700e-004	5.9200e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.26	0.25
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2950e-003	2.1610e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.43	0.43
tblVehicleEF	MHD	0.22	0.21

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tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.36	0.36
tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	11.31	11.44
tblVehicleEF	MHD	7.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	6.7000e-005	6.1000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
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tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.25	0.24
tblVehicleEF	MHD	1.3030e-003	1.3160e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9600e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.27	0.26

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4900e-003	4.1630e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.51	4.37
tblVehicleEF	OBUS	79.00	80.88
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.55	0.54
tblVehicleEF	OBUS	1.94	1.94
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.6600e-004	7.8400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.30
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.5620e-003	4.2270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.34	0.31
tblVehicleEF	OBUS	4.28	4.14
tblVehicleEF	OBUS	82.70	84.69
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.17
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	1.91	1.91
tblVehicleEF	OBUS	1.2000e-005	1.3000e-005
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.27	0.27
tblVehicleEF	OBUS	8.0100e-004	8.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6000e-004	7.5500e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4690e-003	4.1440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.54	4.40
tblVehicleEF	OBUS	73.90	75.61
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.15	0.16
tblVehicleEF	OBUS	0.54	0.53
tblVehicleEF	OBUS	1.95	1.95
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.1700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004

tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.06
tblVehicleEF	SBUS	8.76	8.90
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.04	7.76
tblVehicleEF	SBUS	1,056.06	1,041.87
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.45	5.84
tblVehicleEF	SBUS	2.88	2.57
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	4.9650e-003	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.7500e-003	3.9320e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003

tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.43	0.42
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4400e-004	7.5000e-004
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.46
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	8.68	8.82
tblVehicleEF	SBUS	0.78	0.70
tblVehicleEF	SBUS	6.64	6.41
tblVehicleEF	SBUS	1,101.09	1,085.74
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.66	6.03
tblVehicleEF	SBUS	2.72	2.43
tblVehicleEF	SBUS	11.12	10.88
tblVehicleEF	SBUS	4.1860e-003	3.4640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.0050e-003	3.3150e-003

tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.05
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.39	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	7.2700e-004
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.50	1.53
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.41
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.88	9.01
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.17	7.89
tblVehicleEF	SBUS	993.88	981.30
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.17	5.59

tblVehicleEF	SBUS	2.83	2.53
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	6.0420e-003	5.0010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	5.7800e-003	4.7840e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.42
tblVehicleEF	SBUS	9.7890e-003	9.6750e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4600e-004	7.5200e-004
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.46
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	6.68	6.39

tblVehicleEF	UBUS	10.95	10.71
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.86	2.59
tblVehicleEF	UBUS	12.71	12.58
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.88	0.87
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.6000e-003	1.6080e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.97	0.96
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	6.71	6.42
tblVehicleEF	UBUS	9.70	9.50
tblVehicleEF	UBUS	1,771.11	1,762.18

tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.69	2.43
tblVehicleEF	UBUS	12.64	12.51
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.5790e-003	1.5870e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.67	6.39
tblVehicleEF	UBUS	11.17	10.93
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.81	2.54

tblVehicleEF	UBUS	12.72	12.59
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	8.4160e-003	8.4060e-003
tblVehicleEF	UBUS	1.6040e-003	1.6120e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.97
tblWater	IndoorWaterUseRate	9,173,687.50	23,888,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2025	5.1464	46.2528	55.6974	0.1258	6.7630	1.8176	8.5805	1.2843	1.6908	2.9751	0.0000	12,516.7684	12,516.7684	2.6367	0.0000	12,582.6869
Maximum	5.1464	46.2528	55.6974	0.1258	6.7630	1.8176	8.5805	1.2843	1.6908	2.9751	0.0000	12,516.7684	12,516.7684	2.6367	0.0000	12,582.6869

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	5.1464	46.2528	55.6974	0.1258	3.9831	1.8176	5.8007	0.8634	1.6908	2.5542	0.0000	12,516.7684	12,516.7684	2.6367	0.0000	12,582.6869
Maximum	5.1464	46.2528	55.6974	0.1258	3.9831	1.8176	5.8007	0.8634	1.6908	2.5542	0.0000	12,516.7684	12,516.7684	2.6367	0.0000	12,582.6869

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	41.10	0.00	32.40	32.77	0.00	14.15	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188
Total	1.6262	1.5546	5.5132	0.0253	2.5974	0.0329	2.6303	0.6945	0.0318	0.7263		2,714.8804	2,714.8804	0.0946	4.9000e-003	2,718.7051

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188
Total	1.6262	1.5546	5.5132	0.0253	2.5974	0.0329	2.6303	0.6945	0.0318	0.7263		2,714.8804	2,714.8804	0.0946	4.9000e-003	2,718.7051

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	2/5/2025	3/12/2025	5	26	
2	Construction of FBO Hangars and Office - 12	Building Construction	3/12/2025	7/11/2025	5	88	
3	Construction of Apron Concrete - 12	Paving	3/12/2025	5/14/2025	5	46	
4	Construction of Park Spaces / Lighting - 12	Paving	5/14/2025	7/3/2025	5	37	
5	Misc. concrete - 13	Paving	7/11/2025	8/15/2025	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangars and Office - 12	Cranes	1	7.00	231	0.29
Construction of FBO Hangars and Office - 12	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars and Office - 12	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars and Office - 12	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangars and Office - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars and Office - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete- 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete- 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete- 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Misc. concrete - 13	Pavers	2	8.00	130	0.42
Misc. concrete - 13	Paving Equipment	2	8.00	132	0.36
Misc. concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 12		6	15.00	0.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars and Office		9	110.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete - 12		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. concrete - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5571	0.0000	4.5571	0.6900	0.0000	0.6900			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	4.5571	0.8528	5.4099	0.6900	0.7920	1.4820		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0959	2.9872	1.4458	0.0147	0.3662	5.9100e-003	0.3722	0.1003	5.6600e-003	0.1059		1,654.9669	1,654.9669	0.1747		1,659.3351
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.1399	3.0097	1.7904	0.0160	0.5339	6.9300e-003	0.5408	0.1447	6.5900e-003	0.1513		1,789.6384	1,789.6384	0.1770		1,794.0644

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7773	0.0000	1.7773	0.2691	0.0000	0.2691			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	1.7773	0.8528	2.6301	0.2691	0.7920	1.0611	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	2.9872	1.4458	0.0147	0.3662	5.9100e-003	0.3722	0.1003	5.6600e-003	0.1059		1,654.9669	1,654.9669	0.1747		1,659.3351
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.1399	3.0097	1.7904	0.0160	0.5339	6.9300e-003	0.5408	0.1447	6.5900e-003	0.1513		1,789.6384	1,789.6384	0.1770		1,794.0644

3.3 Construction of FBO Hangars and Office - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	2.8077	0.9543	9.9700e-003	0.2747	3.3300e-003	0.2780	0.0791	3.1800e-003	0.0822		1,094.0478	1,094.0478	0.0793		1,096.0312
Worker	0.3227	0.1651	2.5270	9.9000e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		987.5915	987.5915	0.0170		988.0155
Total	0.4000	2.9728	3.4814	0.0199	1.5043	0.0108	1.5150	0.4051	0.0100	0.4152		2,081.6394	2,081.6394	0.0963		2,084.0466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	2.8077	0.9543	9.9700e-003	0.2747	3.3300e-003	0.2780	0.0791	3.1800e-003	0.0822		1,094.0478	1,094.0478	0.0793		1,096.0312
Worker	0.3227	0.1651	2.5270	9.9000e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		987.5915	987.5915	0.0170		988.0155
Total	0.4000	2.9728	3.4814	0.0199	1.5043	0.0108	1.5150	0.4051	0.0100	0.4152		2,081.6394	2,081.6394	0.0963		2,084.0466

3.4 Construction of Apron Concrete- 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Misc. concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093	2,447.5858	2,447.5858	0.0893	2,449.8188
Mitigated	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093	2,447.5858	2,447.5858	0.0893	2,449.8188
Unmitigated	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093	2,447.5858	2,447.5858	0.0893	2,449.8188

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	276.50	52.36	26.98	924,776	924,776
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	276.50	52.36	26.98	924,776	924,776

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
NaturalGas Unmitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2271.52	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.27152	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Unmitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 ALT1 - Orange County, Winter

**JWA Phase 12 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.67	1000sqft	0.91	39,670.00	0
Other Asphalt Surfaces	143.40	1000sqft	3.29	143,399.00	0
Other Non-Asphalt Surfaces	71.70	1000sqft	1.65	71,699.00	0
Other Non-Asphalt Surfaces	7.97	1000sqft	0.18	7,967.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	19835	69648
tblAreaCoating	Area_Nonresidential_Interior	59505	208943
tblAreaCoating	Area_Parking	13384	21365
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	26.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	5.7660e-003	5.7620e-003

tbIFleetMix	LHD2	5.7660e-003	5.7620e-003
tbIFleetMix	LHD2	5.7660e-003	5.7620e-003
tbIFleetMix	MCY	4.9770e-003	4.9810e-003
tbIFleetMix	MCY	4.9770e-003	4.9810e-003
tbIFleetMix	MCY	4.9770e-003	4.9810e-003
tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MH	8.3600e-004	8.1800e-004
tbIFleetMix	MH	8.3600e-004	8.1800e-004
tbIFleetMix	MH	8.3600e-004	8.1800e-004
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	OBUS	1.8250e-003	1.8380e-003
tbIFleetMix	OBUS	1.8250e-003	1.8380e-003
tbIFleetMix	OBUS	1.8250e-003	1.8380e-003
tbIFleetMix	SBUS	6.1100e-004	6.1500e-004
tbIFleetMix	SBUS	6.1100e-004	6.1500e-004
tbIFleetMix	SBUS	6.1100e-004	6.1500e-004
tbIFleetMix	UBUS	1.4730e-003	1.4610e-003
tbIFleetMix	UBUS	1.4730e-003	1.4610e-003
tbIFleetMix	UBUS	1.4730e-003	1.4610e-003
tbILandUse	LandUseSquareFeet	143,400.00	143,399.00
tbILandUse	LandUseSquareFeet	7,970.00	7,967.00
tbILandUse	LandUseSquareFeet	71,700.00	71,699.00
tbISolidWaste	SolidWasteGenerationRate	49.19	128.09
tbIVehicleEF	HHD	0.39	0.37
tbIVehicleEF	HHD	0.17	0.17
tbIVehicleEF	HHD	0.05	0.05

tblVehicleEF	HHD	1.40	1.37
tblVehicleEF	HHD	1.30	1.32
tblVehicleEF	HHD	4.46	4.59
tblVehicleEF	HHD	3,712.33	3,667.10
tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.24	11.93
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tblVehicleEF	HHD	18.91	18.85
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	7.9170e-003	7.0260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.1800e-004	1.2300e-004
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tblVehicleEF	HHD	9.2000e-005	9.6000e-005
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tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	4.4000e-004	4.5600e-004
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tblVehicleEF	HHD	0.17	0.17
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tblVehicleEF	HHD	1,567.60	1,559.78
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tblVehicleEF	HHD	12.63	12.32
tblVehicleEF	HHD	1.55	1.50
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
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tblVehicleEF	HHD	6.6740e-003	5.9230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
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tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3800e-004

tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1400e-004	2.1900e-004
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tblVehicleEF	HHD	4.2300e-004	4.3800e-004
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tblVehicleEF	HHD	0.06	0.05
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tblVehicleEF	HHD	5.5990e-003	5.5220e-003

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tblVehicleEF	HHD	4.8300e-004	5.0100e-004
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	LDA	0.07	0.06
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tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	0.07	0.07
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tblVehicleEF	LDA	7.3280e-003	6.7860e-003

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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.07
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tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	2.8660e-003	2.5790e-003
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tblVehicleEF	LDA	0.74	0.69
tblVehicleEF	LDA	209.63	202.23
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
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tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	4.9000e-004	4.7100e-004

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	5.9740e-003	5.4510e-003
tblVehicleEF	LDT1	7.9960e-003	7.1900e-003
tblVehicleEF	LDT1	0.78	0.73
tblVehicleEF	LDT1	1.69	1.55
tblVehicleEF	LDT1	272.89	264.77
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
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tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
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tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.7370e-003	2.6550e-003
tblVehicleEF	LDT1	6.4900e-004	6.2800e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02

tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.12	0.11
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tblVehicleEF	LDT1	7.1800e-003	6.4600e-003
tblVehicleEF	LDT1	0.85	0.79
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	283.94	275.49
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.8480e-003	2.7630e-003
tblVehicleEF	LDT1	6.4500e-004	6.2400e-004
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	5.8680e-003	5.3540e-003
tblVehicleEF	LDT1	8.1630e-003	7.3400e-003

tblVehicleEF	LDT1	0.76	0.71
tblVehicleEF	LDT1	1.74	1.59
tblVehicleEF	LDT1	268.81	260.81
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.6960e-003	2.6150e-003
tblVehicleEF	LDT1	6.4900e-004	6.2900e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT2	3.9670e-003	3.7110e-003
tblVehicleEF	LDT2	3.9510e-003	3.6060e-003
tblVehicleEF	LDT2	0.58	0.56
tblVehicleEF	LDT2	0.97	0.91
tblVehicleEF	LDT2	305.47	295.85
tblVehicleEF	LDT2	68.50	66.27

tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.8490e-003	9.2160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0580e-003	2.9620e-003
tblVehicleEF	LDT2	7.0100e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	4.1900e-003	3.9200e-003
tblVehicleEF	LDT2	3.5660e-003	3.2570e-003
tblVehicleEF	LDT2	0.63	0.60
tblVehicleEF	LDT2	0.84	0.80
tblVehicleEF	LDT2	317.98	307.96
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003

tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	9.7340e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	3.1840e-003	3.0840e-003
tblVehicleEF	LDT2	6.9900e-004	6.7500e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.8920e-003	3.6410e-003
tblVehicleEF	LDT2	4.0310e-003	3.6780e-003
tblVehicleEF	LDT2	0.56	0.54
tblVehicleEF	LDT2	0.99	0.94
tblVehicleEF	LDT2	300.86	291.38
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.6640e-003	9.0430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0120e-003	2.9170e-003
tblVehicleEF	LDT2	7.0100e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8690e-003	5.2800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.81	1.71
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.79	0.71
tblVehicleEF	LHD1	0.78	0.73
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003

tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.9560e-003	5.3520e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.49	0.44
tblVehicleEF	LHD1	1.73	1.64
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.75	0.67
tblVehicleEF	LHD1	0.75	0.70

tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.17	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1400e-004	3.0300e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8460e-003	5.2600e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.82	1.72

tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.78	0.70
tblVehicleEF	LHD1	0.79	0.74
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.19	0.18

tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5500e-003	2.3550e-003
tblVehicleEF	LHD2	5.1240e-003	4.6050e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.00	0.96
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.39	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004

tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5710e-003	2.3720e-003
tblVehicleEF	LHD2	4.9820e-003	4.4830e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.96	0.92
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.36	0.30
tblVehicleEF	LHD2	0.38	0.35
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004

tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6300e-004	2.5700e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5450e-003	2.3500e-003
tblVehicleEF	LHD2	5.1530e-003	4.6300e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.01	0.97
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.38	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003

tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.64	17.52
tblVehicleEF	MCY	9.65	9.67
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003

tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.32	2.31
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	6.5200e-004	6.4900e-004
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.90	2.89
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.18	2.17
tblVehicleEF	MCY	0.48	0.49
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.03	16.92
tblVehicleEF	MCY	8.86	8.87
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.27	2.26
tblVehicleEF	MCY	0.53	0.50

tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	6.3300e-004	6.3000e-004
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.84	2.84
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.97	1.96
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.73	17.61
tblVehicleEF	MCY	9.78	9.80
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.04	2.03
tblVehicleEF	MCY	6.5500e-004	6.5200e-004
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71

tblVehicleEF	MCY	2.91	2.90
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.22	2.21
tblVehicleEF	MDV	6.8660e-003	6.2950e-003
tblVehicleEF	MDV	8.3060e-003	7.4450e-003
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	1.63	1.51
tblVehicleEF	MDV	419.30	405.87
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1950e-003	4.0600e-003
tblVehicleEF	MDV	9.4800e-004	9.1600e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	7.2430e-003	6.6430e-003

tblVehicleEF	MDV	7.4810e-003	6.7100e-003
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tblVehicleEF	MDV	1.42	1.31
tblVehicleEF	MDV	435.95	421.98
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.10	0.09
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tblVehicleEF	MDV	9.4400e-004	9.1200e-004
tblVehicleEF	MDV	0.09	0.09
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tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	6.7380e-003	6.1780e-003
tblVehicleEF	MDV	8.4750e-003	7.5960e-003
tblVehicleEF	MDV	0.80	0.76
tblVehicleEF	MDV	1.68	1.55
tblVehicleEF	MDV	413.15	399.93

tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.14	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1330e-003	4.0000e-003
tblVehicleEF	MDV	9.4900e-004	9.1700e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.85
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tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.02	0.95
tblVehicleEF	MH	0.64	0.62
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3100e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.26	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.01	0.87
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tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004

tblVehicleEF	MH	3.2370e-003	3.2350e-003
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tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.23	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3100e-004	6.2800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.25	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.84
tblVehicleEF	MH	4.12	3.97
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tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.00	0.94
tblVehicleEF	MH	0.64	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3200e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
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tblVehicleEF	MH	0.02	0.01
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tblVehicleEF	MHD	0.02	0.02
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.25	0.23
tblVehicleEF	MHD	1.4160e-003	1.4310e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9500e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004
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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
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tblVehicleEF	MHD	0.23	0.22
tblVehicleEF	MHD	0.22	0.21
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tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	11.28	11.41
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tblVehicleEF	MHD	2.8320e-003	2.8270e-003
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tblVehicleEF	MHD	2.7070e-003	2.7020e-003
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tblVehicleEF	MHD	8.2900e-004	7.8300e-004
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tblVehicleEF	MHD	0.03	0.03
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tblVehicleEF	MHD	0.02	0.02
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tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	0.24	0.24
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tblVehicleEF	OBUS	1.2000e-005	1.3000e-005
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.06
tblVehicleEF	SBUS	8.76	8.90
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.04	7.76
tblVehicleEF	SBUS	1,056.06	1,041.87
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.45	5.84
tblVehicleEF	SBUS	2.88	2.57
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	4.9650e-003	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.7500e-003	3.9320e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003

tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.43	0.42
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4400e-004	7.5000e-004
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.46
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	8.68	8.82
tblVehicleEF	SBUS	0.78	0.70
tblVehicleEF	SBUS	6.64	6.41
tblVehicleEF	SBUS	1,101.09	1,085.74
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.66	6.03
tblVehicleEF	SBUS	2.72	2.43
tblVehicleEF	SBUS	11.12	10.88
tblVehicleEF	SBUS	4.1860e-003	3.4640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.0050e-003	3.3150e-003

tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.05
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.39	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	7.2700e-004
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.50	1.53
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.41
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.88	9.01
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.17	7.89
tblVehicleEF	SBUS	993.88	981.30
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.17	5.59

tblVehicleEF	SBUS	2.83	2.53
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	6.0420e-003	5.0010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	5.7800e-003	4.7840e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.42
tblVehicleEF	SBUS	9.7890e-003	9.6750e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4600e-004	7.5200e-004
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.46
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	6.68	6.39

tblVehicleEF	UBUS	10.95	10.71
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.86	2.59
tblVehicleEF	UBUS	12.71	12.58
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.88	0.87
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.6000e-003	1.6080e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.97	0.96
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	6.71	6.42
tblVehicleEF	UBUS	9.70	9.50
tblVehicleEF	UBUS	1,771.11	1,762.18

tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.69	2.43
tblVehicleEF	UBUS	12.64	12.51
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.5790e-003	1.5870e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.67	6.39
tblVehicleEF	UBUS	11.17	10.93
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.81	2.54

tblVehicleEF	UBUS	12.72	12.59
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	8.4160e-003	8.4060e-003
tblVehicleEF	UBUS	1.6040e-003	1.6120e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.97
tblWater	IndoorWaterUseRate	9,173,687.50	23,888,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2025	5.2124	46.2725	55.5537	0.1247	6.7630	1.8179	8.5809	1.2843	1.6911	2.9755	0.0000	12,398.7295	12,398.7295	2.6412	0.0000	12,464.7604
Maximum	5.2124	46.2725	55.5537	0.1247	6.7630	1.8179	8.5809	1.2843	1.6911	2.9755	0.0000	12,398.7295	12,398.7295	2.6412	0.0000	12,464.7604

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	5.2124	46.2725	55.5537	0.1247	3.9831	1.8179	5.8010	0.8634	1.6911	2.5546	0.0000	12,398.7295	12,398.7295	2.6412	0.0000	12,464.7604
Maximum	5.2124	46.2725	55.5537	0.1247	3.9831	1.8179	5.8010	0.8634	1.6911	2.5546	0.0000	12,398.7295	12,398.7295	2.6412	0.0000	12,464.7604

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	41.10	0.00	32.40	32.77	0.00	14.15	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Total	1.6196	1.5923	5.2266	0.0243	2.5974	0.0330	2.6304	0.6945	0.0318	0.7263		2,611.3816	2,611.3816	0.0942	4.9000e-003	2,615.1962

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Total	1.6196	1.5923	5.2266	0.0243	2.5974	0.0330	2.6304	0.6945	0.0318	0.7263		2,611.3816	2,611.3816	0.0942	4.9000e-003	2,615.1962

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	2/5/2025	3/12/2025	5	26	
2	Construction of FBO Hangars and Office - 12	Building Construction	3/12/2025	7/11/2025	5	88	
3	Construction of Apron Concrete - 12	Paving	3/12/2025	5/14/2025	5	46	
4	Construction of Park Spaces / Lighting - 12	Paving	5/14/2025	7/3/2025	5	37	
5	Misc. concrete - 13	Paving	7/11/2025	8/15/2025	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangars and Office - 12	Cranes	1	7.00	231	0.29
Construction of FBO Hangars and Office - 12	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars and Office - 12	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars and Office - 12	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangars and Office - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars and Office - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete- 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete- 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete- 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Misc. concrete - 13	Pavers	2	8.00	130	0.42
Misc. concrete - 13	Paving Equipment	2	8.00	132	0.36
Misc. concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	6	15.00	0.00	547.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars and Office	9	110.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5571	0.0000	4.5571	0.6900	0.0000	0.6900			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	4.5571	0.8528	5.4099	0.6900	0.7920	1.4820		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0982	3.0019	1.4916	0.0144	0.3662	6.0800e-003	0.3723	0.1003	5.8100e-003	0.1061		1,630.2713	1,630.2713	0.1775		1,634.7076
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.1486	3.0266	1.8080	0.0157	0.5339	7.1000e-003	0.5410	0.1447	6.7400e-003	0.1515		1,757.7500	1,757.7500	0.1796		1,762.2409

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7773	0.0000	1.7773	0.2691	0.0000	0.2691			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	1.7773	0.8528	2.6301	0.2691	0.7920	1.0611	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0982	3.0019	1.4916	0.0144	0.3662	6.0800e-003	0.3723	0.1003	5.8100e-003	0.1061		1,630.2713	1,630.2713	0.1775		1,634.7076
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.1486	3.0266	1.8080	0.0157	0.5339	7.1000e-003	0.5410	0.1447	6.7400e-003	0.1515		1,757.7500	1,757.7500	0.1796		1,762.2409

3.3 Construction of FBO Hangars and Office - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0811	2.7920	1.0275	9.7400e-003	0.2747	3.4900e-003	0.2782	0.0791	3.3400e-003	0.0824		1,067.8377	1,067.8377	0.0823		1,069.8959
Worker	0.3697	0.1813	2.3206	9.3700e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		934.8440	934.8440	0.0160		935.2440
Total	0.4508	2.9733	3.3481	0.0191	1.5043	0.0109	1.5152	0.4051	0.0102	0.4153		2,002.6817	2,002.6817	0.0983		2,005.1398

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0811	2.7920	1.0275	9.7400e-003	0.2747	3.4900e-003	0.2782	0.0791	3.3400e-003	0.0824		1,067.8377	1,067.8377	0.0823		1,069.8959
Worker	0.3697	0.1813	2.3206	9.3700e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		934.8440	934.8440	0.0160		935.2440
Total	0.4508	2.9733	3.3481	0.0191	1.5043	0.0109	1.5152	0.4051	0.0102	0.4153		2,002.6817	2,002.6817	0.0983		2,005.1398

3.4 Construction of Apron Concrete- 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137			2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137			2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Misc. concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
Mitigated	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093	2,344.0871	2,344.0871	0.0889	2,346.3098
Unmitigated	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093	2,344.0871	2,344.0871	0.0889	2,346.3098

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	276.50	52.36	26.98	924,776	924,776
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	276.50	52.36	26.98	924,776	924,776

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
NaturalGas Unmitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2271.52	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.27152	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Unmitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day				
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004	0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004	0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 ALT1 - Orange County, Summer

**JWA Phase 13 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	138.64	1000sqft	3.18	138,636.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Year	lb/day										lb/day					
2025	8.5447	77.0081	88.9322	0.2494	14.9582	2.5031	17.4613	3.3099	2.3440	5.6538	0.0000	25,162.7891	25,162.7891	3.6154	0.0000	25,253.1739
2026	7.0911	61.4795	88.9401	0.1971	5.9611	2.3517	8.3128	1.6037	2.1858	3.7895	0.0000	19,562.5532	19,562.5532	3.6935	0.0000	19,654.8905
Maximum	8.5447	77.0081	88.9401	0.2494	14.9582	2.5031	17.4613	3.3099	2.3440	5.6538	0.0000	25,162.7891	25,162.7891	3.6935	0.0000	25,253.1739

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	8.5447	77.0081	88.9322	0.2494	11.2300	2.5031	13.7331	2.7454	2.3440	5.0893	0.0000	25,162.7891	25,162.7891	3.6154	0.0000	25,253.1739
2026	7.0911	61.4795	88.9401	0.1971	5.9611	2.3517	8.3128	1.6037	2.1858	3.7895	0.0000	19,562.5532	19,562.5532	3.6935	0.0000	19,654.8905
Maximum	8.5447	77.0081	88.9401	0.2494	11.2300	2.5031	13.7331	2.7454	2.3440	5.0893	0.0000	25,162.7891	25,162.7891	3.6935	0.0000	25,253.1739

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	17.82	0.00	14.46	11.49	0.00	5.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Total	4.7011	5.7632	20.1856	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1840	9,764.1840	0.3448	0.0147	9,777.1837

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Total	4.7011	5.7632	20.1856	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1840	9,764.1840	0.3448	0.0147	9,777.1837

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	8/12/2025	10/27/2025	5	55	
2	Construction of FBO Hangers - 13	Building Construction	10/27/2025	1/28/2026	5	68	
3	Construction of Offices - 13	Building Construction	10/27/2025	3/6/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	10/27/2025	12/10/2025	5	33	
5	Construction of Park Spaces / Lighting - 13	Paving	12/12/2025	2/23/2026	5	52	

6	Construction of Parking Garage - Paving	12/12/2025	6/30/2026	5	143
7	Apron concrete - 13	1/28/2026	4/1/2026	5	46

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20

Construction Set Up of Customs Area - Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13 Air Compressors	0		78	0.48
Construction of Parking Garage - 13 Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13 Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13 Rollers	2	8.00	80	0.38
Apron concrete - 13 Pavers	2	8.00	130	0.42
Apron concrete - 13 Paving Equipment	2	8.00	132	0.36
Apron concrete - 13 Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 13	6	15.00	0.00	1,553.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13	9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13	9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13	9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.1118	0.0000	6.1118	0.9254	0.0000	0.9254			0.0000				0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464			3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	6.1118	0.8528	6.9646	0.9254	0.7920	1.7174		3,747.5996	3,747.5996	1.0464			3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.1287	4.0092	1.9404	0.0197	0.4915	7.9400e-003	0.4995	0.1346	7.5900e-003	0.1421		2,221.1817	2,221.1817	0.2345			2,227.0444
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003			134.7294
Total	0.1727	4.0317	2.2850	0.0210	0.6592	8.9600e-003	0.6682	0.1790	8.5200e-003	0.1875		2,355.8533	2,355.8533	0.2368			2,361.7738

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.3836	0.0000	2.3836	0.3609	0.0000	0.3609			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	2.3836	0.8528	3.2364	0.3609	0.7920	1.1529	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1287	4.0092	1.9404	0.0197	0.4915	7.9400e-003	0.4995	0.1346	7.5900e-003	0.1421		2,221.1817	2,221.1817	0.2345		2,227.0444
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.1727	4.0317	2.2850	0.0210	0.6592	8.9600e-003	0.6682	0.1790	8.5200e-003	0.1875		2,355.8533	2,355.8533	0.2368		2,361.7738

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458			2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307			1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764			3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511	2,009.9949	2,009.9949	0.1458		2,013.6386	
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023	1,786.6429	1,786.6429	0.0307		1,787.4098	
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534	3,796.6377	3,796.6377	0.1764		3,801.0485	

3.3 Construction of FBO Hangers - 13 - 2026

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278

Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.994 9	2,009.9949	0.1458		2,013.638 6
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.642 9	1,786.6429	0.0307		1,787.409 8
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.637 7	3,796.6377	0.1764		3,801.048 5

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098

Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Construction of Park Spaces / Lighting - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Unmitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		

Total	1,117.08	224.92	108.04	3,379,951	3,379,951
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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821

General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Unmitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	2.8799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 ALT1 - Orange County, Winter

**JWA Phase 13 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	138.64	1000sqft	3.18	138,636.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Year	lb/day										lb/day					
2025	8.8304	77.0314	88.2486	0.2449	14.9582	2.5043	17.4625	3.3099	2.3451	5.6549	0.0000	24,691.71 57	24,691.715 7	3.6302	0.0000	24,782.47 11
2026	7.2906	61.4829	88.4156	0.1942	5.9611	2.3523	8.3134	1.6037	2.1863	3.7900	0.0000	19,262.81 23	19,262.812 3	3.7003	0.0000	19,355.32 07
Maximum	8.8304	77.0314	88.4156	0.2449	14.9582	2.5043	17.4625	3.3099	2.3451	5.6549	0.0000	24,691.71 57	24,691.715 7	3.7003	0.0000	24,782.47 11

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	8.8304	77.0314	88.2486	0.2449	11.2300	2.5043	13.7343	2.7454	2.3451	5.0904	0.0000	24,691.71 57	24,691.715 7	3.6302	0.0000	24,782.47 11
2026	7.2906	61.4829	88.4156	0.1942	5.9611	2.3523	8.3134	1.6037	2.1863	3.7900	0.0000	19,262.81 23	19,262.812 3	3.7003	0.0000	19,355.32 07
Maximum	8.8304	77.0314	88.4156	0.2449	11.2300	2.5043	13.7343	2.7454	2.3451	5.0904	0.0000	24,691.71 57	24,691.715 7	3.7003	0.0000	24,782.47 11

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	17.82	0.00	14.46	11.49	0.00	5.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Total	4.6753	5.8979	19.1803	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.0798	9,384.0798	0.3436	0.0147	9,397.0518

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Total	4.6753	5.8979	19.1803	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.0798	9,384.0798	0.3436	0.0147	9,397.0518

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	8/12/2025	10/27/2025	5	55	
2	Construction of FBO Hangers - 13	Building Construction	10/27/2025	1/28/2026	5	68	
3	Construction of Offices - 13	Building Construction	10/27/2025	3/6/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	10/27/2025	12/10/2025	5	33	
5	Construction of Park Spaces / Lighting - 13	Paving	12/12/2025	2/23/2026	5	52	

6	Construction of Parking Garage - Paving	12/12/2025	6/30/2026	5	143
7	Apron concrete - 13	1/28/2026	4/1/2026	5	46

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20

Construction Set Up of Customs Area - Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13 Air Compressors	0		78	0.48
Construction of Parking Garage - 13 Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13 Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13 Rollers	2	8.00	80	0.38
Apron concrete - 13 Pavers	2	8.00	130	0.42
Apron concrete - 13 Paving Equipment	2	8.00	132	0.36
Apron concrete - 13 Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 13	6	15.00	0.00	1,553.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13	9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13	9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13	9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1118	0.0000	6.1118	0.9254	0.0000	0.9254			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	6.1118	0.8528	6.9646	0.9254	0.7920	1.7174		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1318	4.0289	2.0019	0.0194	0.4915	8.1600e-003	0.4997	0.1346	7.8000e-003	0.1424		2,188.0370	2,188.0370	0.2382		2,193.9912
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.1822	4.0537	2.3184	0.0207	0.6592	9.1800e-003	0.6684	0.1790	8.7300e-003	0.1878		2,315.5157	2,315.5157	0.2404		2,321.5245

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.3836	0.0000	2.3836	0.3609	0.0000	0.3609			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	2.3836	0.8528	3.2364	0.3609	0.7920	1.1529	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1318	4.0289	2.0019	0.0194	0.4915	8.1600e-003	0.4997	0.1346	7.8000e-003	0.1424		2,188.0370	2,188.0370	0.2382		2,193.9912
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.1822	4.0537	2.3184	0.0207	0.6592	9.1800e-003	0.6684	0.1790	8.7300e-003	0.1878		2,315.5157	2,315.5157	0.2404		2,321.5245

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513			1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289			1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802			3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514	1,961.8413	1,961.8413	0.1513		1,965.6226	
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023	1,691.2178	1,691.2178	0.0289		1,691.9413	
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537	3,653.0591	3,653.0591	0.1802		3,657.5640	

3.3 Construction of FBO Hangers - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512	1,950.4216	1,950.4216	0.1491			1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019	1,630.0862	1,630.0862	0.0266			1,630.7510

Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.841 3	1,961.8413	0.1513		1,965.622 6
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.217 8	1,691.2178	0.0289		1,691.941 3
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.059 1	3,653.0591	0.1802		3,657.564 0

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491			1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266			1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757			3,584.8992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413

Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Construction of Park Spaces / Lighting - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003			122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003			122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137			2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137			2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	122.8708	122.8708	2.0000e-003		122.9209	
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	122.8708	122.8708	2.0000e-003		122.9209	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Unmitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		

Total	1,117.08	224.92	108.04	3,379,951	3,379,951
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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821

General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004			0.1127
Unmitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004			0.1127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	2.8799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8799					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 ALT1 - Orange County, Summer

**JWA Phase 14 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - * Detailed in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Trips and VMT -
- Demolition -
- Area Coating - * Defined in project schedule and RON estimate

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	ConstArea_Parking	1,500.00	1,432.00
tblAreaCoating	Area_Parking	1500	26500
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8094	12.5155	15.9336	0.0344	3.1322	0.4986	3.6308	0.5356	0.4711	1.0068	0.0000	3,404.9894	3,404.9894	0.6151	0.0000	3,420.3674
Maximum	1.8094	12.5155	15.9336	0.0344	3.1322	0.4986	3.6308	0.5356	0.4711	1.0068	0.0000	3,404.9894	3,404.9894	0.6151	0.0000	3,420.3674

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8094	12.5155	15.9336	0.0344	3.1322	0.4986	3.6308	0.5356	0.4711	1.0068	0.0000	3,404.9893	3,404.9893	0.6151	0.0000	3,420.3674
Maximum	1.8094	12.5155	15.9336	0.0344	3.1322	0.4986	3.6308	0.5356	0.4711	1.0068	0.0000	3,404.9893	3,404.9893	0.6151	0.0000	3,420.3674

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40

New Marking - 14	Tractors/Loaders/Backhoes	0	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	121.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0557	1.7625	0.8183	8.5000e-003	0.2106	3.4700e-003	0.2141	0.0577	3.3200e-003	0.0610		958.0827	958.0827	0.1006		960.5966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0864	1.7788	1.0644	9.4400e-003	0.3224	4.1600e-003	0.3266	0.0873	3.9500e-003	0.0913		1,051.6470	1,051.6470	0.1023		1,054.2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0557	1.7625	0.8183	8.5000e-003	0.2106	3.4700e-003	0.2141	0.0577	3.3200e-003	0.0610		958.0827	958.0827	0.1006		960.5966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0864	1.7788	1.0644	9.4400e-003	0.3224	4.1600e-003	0.3266	0.0873	3.9500e-003	0.0913		1,051.6470	1,051.6470	0.1023		1,054.2031

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Parking Lot	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 ALT1 - Orange County, Winter

JWA Phase 14 ALT1
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8	Operational Year	2025		
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - * Detailed in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Trips and VMT -
- Demolition -
- Area Coating - * Defined in project schedule and RON estimate

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	ConstArea_Parking	1,500.00	1,432.00
tblAreaCoating	Area_Parking	1500	26500
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8182	12.5289	15.9047	0.0341	3.1322	0.4987	3.6309	0.5356	0.4712	1.0069	0.0000	3,376.5770	3,376.5770	0.6165	0.0000	3,391.9901
Maximum	1.8182	12.5289	15.9047	0.0341	3.1322	0.4987	3.6309	0.5356	0.4712	1.0069	0.0000	3,376.5770	3,376.5770	0.6165	0.0000	3,391.9901

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8182	12.5289	15.9047	0.0341	3.1322	0.4987	3.6309	0.5356	0.4712	1.0069	0.0000	3,376.5770	3,376.5770	0.6165	0.0000	3,391.9901
Maximum	1.8182	12.5289	15.9047	0.0341	3.1322	0.4987	3.6309	0.5356	0.4712	1.0069	0.0000	3,376.5770	3,376.5770	0.6165	0.0000	3,391.9901

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40

New Marking - 14	Tractors/Loaders/Backhoes	0	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	121.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0571	1.7713	0.8453	8.3800e-003	0.2106	3.5700e-003	0.2142	0.0577	3.4200e-003	0.0611		943.6751	943.6751	0.1022		946.2306
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0921	1.7893	1.0714	9.2700e-003	0.3224	4.2600e-003	0.3267	0.0873	4.0500e-003	0.0914		1,032.2377	1,032.2377	0.1038		1,034.8330

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0571	1.7713	0.8453	8.3800e-003	0.2106	3.5700e-003	0.2142	0.0577	3.4200e-003	0.0611		943.6751	943.6751	0.1022		946.2306
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0921	1.7893	1.0714	9.2700e-003	0.3224	4.2600e-003	0.3267	0.0873	4.0500e-003	0.0914		1,032.2377	1,032.2377	0.1038		1,034.8330

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Parking Lot	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 ALT1 - Orange County, Summer

**JWA Phase 15 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	212.15	1000sqft	4.87	212,148.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating -

Area Coating - * Defined in project schedule and RON estimate

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	12729	212148
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	42.00
tblLandUse	LandUseSquareFeet	212,150.00	212,148.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.1822	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	59.2204	7.5598	12.6093	0.0207	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	59.2204	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.1822	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	59.2204	7.5598	12.6093	0.0207	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125

Maximum	59.2204	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3465	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.3465	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	12/12/2025	2/9/2026	5	42	
2	New Marking - 15	Architectural Coating	3/10/2026	3/10/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 12,729

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40

New Marking - 15	Tractors/Loaders/Backhoes	0	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	58.9989					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	59.1698	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246
Total	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	58.9989					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	59.1698	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246
Total	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Parking Lot	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Unmitigated	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2694					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2694					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 ALT1 - Orange County, Winter

JWA Phase 15 ALT1
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	212.15	1000sqft	4.87	212,148.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating -

Area Coating - * Defined in project schedule and RON estimate

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	12729	212148
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	42.00
tblLandUse	LandUseSquareFeet	212,150.00	212,148.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.1907	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184
2026	59.2280	7.5625	12.5737	0.0206	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,969.2203	1,969.2203	0.5699	0.0000	1,983.4686
Maximum	59.2280	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.1907	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184
2026	59.2280	7.5625	12.5737	0.0206	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,969.2203	1,969.2203	0.5699	0.0000	1,983.4686

Maximum	59.2280	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3465	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.3465	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	12/12/2025	2/9/2026	5	42	
2	New Marking - 15	Architectural Coating	3/10/2026	3/10/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 12,729

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40

New Marking - 15	Tractors/Loaders/Backhoes	0	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.3038					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1235	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	58.9989					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	59.1698	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051
Total	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	58.9989					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	59.1698	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051
Total	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Parking Lot	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Unmitigated	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2694					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2694					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.3465	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 PA mitigated - Orange County, Summer

**JWA Phase 1 PA mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.23	1000sqft	0.46	20,232.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	83.10	1000sqft	1.91	83,097.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	20,230.00	20,232.00
tblLandUse	LandUseSquareFeet	83,100.00	83,097.00
tblSolidWaste	SolidWasteGenerationRate	18.81	30.69
tblWater	IndoorWaterUseRate	3,595,553.72	5,865,213.68
tblWater	OutdoorWaterUseRate	2,203,726.47	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.4750	91.0247	73.7854	0.1451	5.8567	4.4632	10.3199	1.2418	4.1793	5.4211	0.0000	14,519.7770	14,519.7770	2.9269	0.0000	14,586.6529
Maximum	9.4750	91.0247	73.7854	0.1451	5.8567	4.4632	10.3199	1.2418	4.1793	5.4211	0.0000	14,519.7770	14,519.7770	2.9269	0.0000	14,586.6529

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.6951	19.5568	79.6400	0.1451	4.1180	0.2318	4.3498	0.9785	0.2274	1.2060	0.0000	14,519.7770	14,519.7770	2.9269	0.0000	14,586.6529
Maximum	2.6951	19.5568	79.6400	0.1451	4.1180	0.2318	4.3498	0.9785	0.2274	1.2060	0.0000	14,519.7770	14,519.7770	2.9269	0.0000	14,586.6529

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	71.56	78.51	-7.93	0.00	29.69	94.81	57.85	21.20	94.56	77.75	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.8151	3.4340	11.6647	0.0428	3.6851	0.0416	3.7266	0.9854	0.0390	1.0244		4,334.8935	4,334.8935	0.1786		4,339.3576
Total	2.1409	3.6691	11.8857	0.0442	3.6851	0.0595	3.7446	0.9854	0.0570	1.0424		4,616.8523	4,616.8523	0.1841	5.1700e-003	4,622.9951

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.8151	3.4340	11.6647	0.0428	3.6851	0.0416	3.7266	0.9854	0.0390	1.0244		4,334.8935	4,334.8935	0.1786		4,339.3576
Total	2.1409	3.6691	11.8857	0.0442	3.6851	0.0595	3.7446	0.9854	0.0570	1.0424		4,616.8523	4,616.8523	0.1841	5.1700e-003	4,622.9951

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	4/15/2019	5	68	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.08

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting 1	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting 1	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting 1	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 1		6	15.00	0.00	896.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1		9	95.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of FBO - 1	9	95.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8502	0.0000	2.8502	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.8502	1.7949	4.6451	0.4316	1.6697	2.1012		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1095	3.9057	0.9363	0.0102	0.2294	0.0150	0.2444	0.0628	0.0144	0.0772		1,136.5663	1,136.5663	0.1187		1,139.5325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003	169.0249
Total	0.1714	3.9462	1.4714	0.0119	0.3971	0.0161	0.4132	0.1073	0.0154	0.1227		1,305.4873	1,305.4873	0.1228	1,308.5574

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1116	0.0000	1.1116	0.1683	0.0000	0.1683			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.4623	2.0032	23.2798	0.0388	1.1116	0.0616	1.1732	0.1683	0.0616	0.2299	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1095	3.9057	0.9363	0.0102	0.2294	0.0150	0.2444	0.0628	0.0144	0.0772		1,136.5663	1,136.5663	0.1187		1,139.5325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.1714	3.9462	1.4714	0.0119	0.3971	0.0161	0.4132	0.1073	0.0154	0.1227		1,305.4873	1,305.4873	0.1228		1,308.5574

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1425	4.3122	1.1399	9.5500e-003	0.2428	0.0291	0.2719	0.0699	0.0279	0.0977		1,037.2817	1,037.2817	0.0876		1,039.4709
Worker	0.3915	0.2567	3.3891	0.0107	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,069.8333	1,069.8333	0.0263		1,070.4908
Total	0.5340	4.5689	4.5290	0.0203	1.3047	0.0362	1.3409	0.3515	0.0344	0.3859		2,107.1150	2,107.1150	0.1139		2,109.9617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1425	4.3122	1.1399	9.5500e-003	0.2428	0.0291	0.2719	0.0699	0.0279	0.0977		1,037.2817	1,037.2817	0.0876		1,039.4709
Worker	0.3915	0.2567	3.3891	0.0107	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,069.8333	1,069.8333	0.0263		1,070.4908
Total	0.5340	4.5689	4.5290	0.0203	1.3047	0.0362	1.3409	0.3515	0.0344	0.3859		2,107.1150	2,107.1150	0.1139		2,109.9617

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1425	4.3122	1.1399	9.5500e-003	0.2428	0.0291	0.2719	0.0699	0.0279	0.0977		1,037.2817	1,037.2817	0.0876			1,039.4709
Worker	0.3915	0.2567	3.3891	0.0107	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,069.8333	1,069.8333	0.0263			1,070.4908
Total	0.5340	4.5689	4.5290	0.0203	1.3047	0.0362	1.3409	0.3515	0.0344	0.3859		2,107.1150	2,107.1150	0.1139			2,109.9617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313			2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313			2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1425	4.3122	1.1399	9.5500e-003	0.2428	0.0291	0.2719	0.0699	0.0279	0.0977		1,037.2817	1,037.2817	0.0876		1,039.4709
Worker	0.3915	0.2567	3.3891	0.0107	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,069.8333	1,069.8333	0.0263		1,070.4908
Total	0.5340	4.5689	4.5290	0.0203	1.3047	0.0362	1.3409	0.3515	0.0344	0.3859		2,107.1150	2,107.1150	0.1139		2,109.9617

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5897	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141			2,274.8548
Paving	0.1353					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.4157	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141			2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6061	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4321	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8151	3.4340	11.6647	0.0428	3.6851	0.0416	3.7266	0.9854	0.0390	1.0244		4,334.8935	4,334.8935	0.1786		4,339.3576

Unmitigated	0.8151	3.4340	11.6647	0.0428	3.6851	0.0416	3.7266	0.9854	0.0390	1.0244		4,334.8935	4,334.8935	0.1786		4,339.3576
												5				6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	223.14	49.77	21.24	546,126	546,126
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	453.15	93.33	43.68	1,315,413	1,315,413

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
NaturalGas Unmitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	506.631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003		59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.506631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003		59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Unmitigated	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1169					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2300e-003	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Total	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1169					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2300e-003	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Total	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 PA mitigated - Orange County, Winter

**JWA Phase 1 PA mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.23	1000sqft	0.46	20,232.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	83.10	1000sqft	1.91	83,097.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	68.00
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	20,230.00	20,232.00
tblLandUse	LandUseSquareFeet	83,100.00	83,097.00
tblSolidWaste	SolidWasteGenerationRate	18.81	30.69
tblWater	IndoorWaterUseRate	3,595,553.72	5,865,213.68
tblWater	OutdoorWaterUseRate	2,203,726.47	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.5983	91.1401	73.4266	0.1433	5.8567	4.4646	10.3213	1.2418	4.1806	5.4225	0.0000	14,328.9187	14,328.9187	2.9330	0.0000	14,396.0286
Maximum	9.5983	91.1401	73.4266	0.1433	5.8567	4.4646	10.3213	1.2418	4.1806	5.4225	0.0000	14,328.9187	14,328.9187	2.9330	0.0000	14,396.0286

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.8235	19.6721	79.2812	0.1433	4.1180	0.2332	4.3513	0.9785	0.2288	1.2073	0.0000	14,328.9187	14,328.9187	2.9330	0.0000	14,396.0286
Maximum	2.8235	19.6721	79.2812	0.1433	4.1180	0.2332	4.3513	0.9785	0.2288	1.2073	0.0000	14,328.9187	14,328.9187	2.9330	0.0000	14,396.0286

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	70.58	78.42	-7.97	0.00	29.69	94.78	57.84	21.20	94.53	77.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.8027	3.5501	11.1053	0.0408	3.6851	0.0417	3.7268	0.9854	0.0392	1.0246		4,141.6663	4,141.6663	0.1773		4,146.0975
Total	2.1285	3.7852	11.3263	0.0422	3.6851	0.0597	3.7447	0.9854	0.0571	1.0425		4,423.6251	4,423.6251	0.1828	5.1700e-003	4,429.7349

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Energy	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
Mobile	0.8027	3.5501	11.1053	0.0408	3.6851	0.0417	3.7268	0.9854	0.0392	1.0246		4,141.6663	4,141.6663	0.1773		4,146.0975
Total	2.1285	3.7852	11.3263	0.0422	3.6851	0.0597	3.7447	0.9854	0.0571	1.0425		4,423.6251	4,423.6251	0.1828	5.1700e-003	4,429.7349

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	4/15/2019	5	68	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.08

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting 1	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting 1	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting 1	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 1		6	15.00	0.00	896.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1		9	95.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of FBO - 1	9	95.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8502	0.0000	2.8502	0.4316	0.0000	0.4316			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.8502	1.7949	4.6451	0.4316	1.6697	2.1012		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1124	3.9570	0.9913	0.0101	0.2294	0.0153	0.2448	0.0628	0.0147	0.0775		1,119.7239	1,119.7239	0.1217		1,122.7665
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003	159.9645
Total	0.1821	4.0016	1.4867	0.0117	0.3971	0.0165	0.4136	0.1073	0.0157	0.1230		1,279.5900	1,279.5900	0.1256	1,282.7310

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1116	0.0000	1.1116	0.1683	0.0000	0.1683			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.4623	2.0032	23.2798	0.0388	1.1116	0.0616	1.1732	0.1683	0.0616	0.2299	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1124	3.9570	0.9913	0.0101	0.2294	0.0153	0.2448	0.0628	0.0147	0.0775		1,119.7239	1,119.7239	0.1217		1,122.7665
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.1821	4.0016	1.4867	0.0117	0.3971	0.0165	0.4136	0.1073	0.0157	0.1230		1,279.5900	1,279.5900	0.1256		1,282.7310

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1486	4.3168	1.2516	9.3200e-003	0.2428	0.0297	0.2725	0.0699	0.0284	0.0983		1,012.1495	1,012.1495	0.0922		1,014.4541
Worker	0.4417	0.2822	3.1377	0.0102	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,012.4850	1,012.4850	0.0250		1,013.1086
Total	0.5903	4.5989	4.3893	0.0195	1.3047	0.0368	1.3415	0.3515	0.0349	0.3864		2,024.6345	2,024.6345	0.1171		2,027.5628

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1486	4.3168	1.2516	9.3200e-003	0.2428	0.0297	0.2725	0.0699	0.0284	0.0983		1,012.1495	1,012.1495	0.0922		1,014.4541
Worker	0.4417	0.2822	3.1377	0.0102	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,012.4850	1,012.4850	0.0250		1,013.1086
Total	0.5903	4.5989	4.3893	0.0195	1.3047	0.0368	1.3415	0.3515	0.0349	0.3864		2,024.6345	2,024.6345	0.1171		2,027.5628

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1486	4.3168	1.2516	9.3200e-003	0.2428	0.0297	0.2725	0.0699	0.0284	0.0983		1,012.1495	1,012.1495	0.0922		1,014.4541
Worker	0.4417	0.2822	3.1377	0.0102	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,012.4850	1,012.4850	0.0250		1,013.1086
Total	0.5903	4.5989	4.3893	0.0195	1.3047	0.0368	1.3415	0.3515	0.0349	0.3864		2,024.6345	2,024.6345	0.1171		2,027.5628

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1486	4.3168	1.2516	9.3200e-003	0.2428	0.0297	0.2725	0.0699	0.0284	0.0983		1,012.1495	1,012.1495	0.0922		1,014.4541
Worker	0.4417	0.2822	3.1377	0.0102	1.0619	7.0900e-003	1.0690	0.2816	6.5300e-003	0.2882		1,012.4850	1,012.4850	0.0250		1,013.1086
Total	0.5903	4.5989	4.3893	0.0195	1.3047	0.0368	1.3415	0.3515	0.0349	0.3864		2,024.6345	2,024.6345	0.1171		2,027.5628

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5897	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4157	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6061	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4321	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8027	3.5501	11.1053	0.0408	3.6851	0.0417	3.7268	0.9854	0.0392	1.0246		4,141.6663	4,141.6663	0.1773		4,146.0975

Unmitigated	0.8027	3.5501	11.1053	0.0408	3.6851	0.0417	3.7268	0.9854	0.0392	1.0246		4,141.6663	4,141.6663	0.1773		4,146.0975
												3				5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	223.14	49.77	21.24	546,126	546,126
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	453.15	93.33	43.68	1,315,413	1,315,413

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835
NaturalGas Unmitigated	0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	506.631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003		59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.506631	5.4600e-003	0.0497	0.0417	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003		59.6037	59.6037	1.1400e-003	1.0900e-003	59.9579
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0258	0.2349	0.1973	1.4100e-003		0.0179	0.0179		0.0179	0.0179		281.9083	281.9083	5.4000e-003	5.1700e-003	283.5835

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Unmitigated	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1169					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2300e-003	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Total	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1169					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2300e-003	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539
Total	1.2999	2.2000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0505	0.0505	1.4000e-004		0.0539

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B Mitigated - Orange County, Summer

**JWA Phases 1A-1B Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	42.46	1000sqft	0.97	42,462.00	0
Other Non-Asphalt Surfaces	62.56	1000sqft	1.44	62,559.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Demolition -

Grading - * Defined in project schedule or ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Vehicle Trips -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	41.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	10.00	47.00
tblGrading	AcresOfGrading	9.00	0.97
tblGrading	AcresOfGrading	8.00	1.44
tblLandUse	LandUseSquareFeet	42,460.00	42,462.00
tblLandUse	LandUseSquareFeet	62,560.00	62,559.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	11/14/2019	5	41	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area PavementM - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	
6	Construction of Tie-Down Area Pavement - 1B	Paving	2/6/2020	4/10/2020	5	47	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Subgrade - 1A	Graders	1	8.00	187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Tie-Down Area PavementM - 1A	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area PavementM - 1A	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area PavementM - 1A	Paving Equipment	1	8.00	132	0.36

Category	lb/day										lb/day					
Fugitive Dust					1.0196	0.0000	1.0196	0.1544	0.0000	0.1544			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0196	1.2863	2.3058	0.1544	1.2017	1.3561		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0391	1.3953	0.3345	3.6500e-003	0.0820	5.3600e-003	0.0873	0.0224	5.1300e-003	0.0276		406.0403	406.0403	0.0424		407.1000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0927	1.4305	0.7983	5.1200e-003	0.2273	6.3300e-003	0.2336	0.0610	6.0200e-003	0.0670		552.4385	552.4385	0.0460		553.5882

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3976	0.0000	0.3976	0.0602	0.0000	0.0602			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Total	0.2811	1.2179	14.7184	0.0241	0.3976	0.0375	0.4351	0.0602	0.0375	0.0977	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0391	1.3953	0.3345	3.6500e-003	0.0820	5.3600e-003	0.0873	0.0224	5.1300e-003	0.0276		406.0403	406.0403	0.0424		407.1000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0927	1.4305	0.7983	5.1200e-003	0.2273	6.3300e-003	0.2336	0.0610	6.0200e-003	0.0670		552.4385	552.4385	0.0460		553.5882

3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0792	0.0000	6.0792	3.3164	0.0000	3.3164			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	6.0792	1.0730	7.1522	3.3164	0.9871	4.3035		2,041.2539	2,041.2539	0.6458		2,057.3997

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	1.2934	0.0000	1.2934			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	0.2522	1.0927	10.9071	0.0206	2.3709	0.0336	2.4045	1.2934	0.0336	1.3270	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3995	0.0000	1.3995	0.2119	0.0000	0.2119			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.3995	1.2863	2.6858	0.2119	1.2017	1.4136		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0538	1.9200	0.4603	5.0300e-003	0.2488	7.3700e-003	0.2562	0.0643	7.0500e-003	0.0713		558.7118	558.7118	0.0583		560.1700
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.1074	1.9551	0.9241	6.5000e-003	0.3941	8.3400e-003	0.4025	0.1028	7.9400e-003	0.1107		705.1101	705.1101	0.0619		706.6582

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5458	0.0000	0.5458	0.0826	0.0000	0.0826			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	0.2811	1.2179	14.7184	0.0241	0.5458	0.0375	0.5833	0.0826	0.0375	0.1201	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0538	1.9200	0.4603	5.0300e-003	0.2488	7.3700e-003	0.2562	0.0643	7.0500e-003	0.0713		558.7118	558.7118	0.0583		560.1700
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.1074	1.9551	0.9241	6.5000e-003	0.3941	8.3400e-003	0.4025	0.1028	7.9400e-003	0.1107		705.1101	705.1101	0.0619		706.6582

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3995	0.0000	1.3995	0.2119	0.0000	0.2119			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.3995	1.1525	2.5519	0.2119	1.0761	1.2880		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0489	1.7811	0.4500	4.9600e-003	0.1667	5.7700e-003	0.1725	0.0441	5.5200e-003	0.0496		552.5489	552.5489	0.0573		553.9808
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
Total	0.0989	1.8125	0.8756	6.3800e-003	0.3120	6.7300e-003	0.3187	0.0827	6.4000e-003	0.0891		694.2545	694.2545	0.0605		695.7672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5458	0.0000	0.5458	0.0826	0.0000	0.0826			0.0000			0.0000

Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	0.2811	1.2179	14.7184	0.0241	0.5458	0.0375	0.5833	0.0826	0.0375	0.1201	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0489	1.7811	0.4500	4.9600e-003	0.1667	5.7700e-003	0.1725	0.0441	5.5200e-003	0.0496		552.5489	552.5489	0.0573		553.9808
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
Total	0.0989	1.8125	0.8756	6.3800e-003	0.3120	6.7300e-003	0.3187	0.0827	6.4000e-003	0.0891		694.2545	694.2545	0.0605		695.7672

3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418		1,759.7870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417			1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417			1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1175	0.0000	6.1175	3.3205	0.0000	3.3205			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.1175	0.9902	7.1077	3.3205	0.9110	4.2315		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3858	0.0000	2.3858	1.2950	0.0000	1.2950			0.0000			0.0000

Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	0.2522	1.0927	10.9071	0.0206	2.3858	0.0336	2.4195	1.2950	0.0336	1.3286	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003	163.5997	
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003	163.5997	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-C	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Unmitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

6.2 Area by SubCategory

Unmitigated

SubCategory	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

Mitigated

SubCategory	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
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7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B Mitigated - Orange County, Winter

**JWA Phases 1A-1B Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	42.46	1000sqft	0.97	42,462.00	0
Other Non-Asphalt Surfaces	62.56	1000sqft	1.44	62,559.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Demolition -

Grading - * Defined in project schedule or ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblGrading	AcresOfGrading	9.00	0.97
tblGrading	AcresOfGrading	8.00	1.44
tblLandUse	LandUseSquareFeet	42,460.00	42,462.00
tblLandUse	LandUseSquareFeet	62,560.00	62,559.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.4770	26.9931	16.3957	0.0364	18.3495	1.3038	19.4232	9.9788	1.2185	10.9667	0.0000	3,710.2217	3,710.2217	0.7361	0.0000	3,728.6252
Maximum	2.4770	26.9931	16.3957	0.0364	18.3495	1.3038	19.4232	9.9788	1.2185	10.9667	0.0000	3,710.2217	3,710.2217	0.7361	0.0000	3,728.6252

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.4631	5.5360	16.2198	0.0364	7.2245	0.0550	7.2589	3.9098	0.0542	3.9441	0.0000	3,710.2217	3,710.2217	0.7361	0.0000	3,728.6252
Maximum	0.4631	5.5360	16.2198	0.0364	7.2245	0.0550	7.2589	3.9098	0.0542	3.9441	0.0000	3,710.2217	3,710.2217	0.7361	0.0000	3,728.6252

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	81.31	79.49	1.07	0.00	60.63	95.78	62.63	60.82	95.55	64.04	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0462	1.0000e-004	0.0108	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005	0.0000	0.0245

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0462	1.0000e-004	0.0108	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005	0.0000	0.0245

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	10/16/2019	5	20	
2	Subgrade - 1A	Grading	11/14/2019	11/21/2019	5	6	
3	Demolition - 1B	Demolition	10/17/2019	11/13/2019	5	20	

4	Construction of Tie-Down Area PavementM - 1A	Paving	11/30/2019	12/13/2019	5	10
5	Subgrade - 1B	Grading	11/22/2019	11/29/2019	5	6
6	Construction of Tie-Down Area Pavement - 1B	Paving	12/14/2019	12/27/2019	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.41

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Subgrade - 1A	Graders	1	8.00	187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Tie-Down Area PavementM - 1A	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area PavementM - 1A	Pavers	1	8.00	130	0.42
Construction of Tie-Down Area PavementM - 1A	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area PavementM - 1A	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Subgrade - 1B	Graders	1	8.00	187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00	247	0.40
Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of Tie-Down Area Pavement - 1B	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Tie-Down Area Pavement - 1B	Pavers	1	8.00	130	0.42

Construction of Tie-Down Area Pavement - 1B	Paving Equipment	1	8.00	132	0.36
Construction of Tie-Down Area Pavement - 1B	Rollers	2	8.00	80	0.38
Construction of Tie-Down Area Pavement - 1B	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	5	13.00	0.00	193.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	285.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area Pavement	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0901	0.0000	2.0901	0.3165	0.0000	0.3165			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	2.0901	1.2863	3.3764	0.3165	1.2017	1.5182		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0823	2.8980	0.7260	7.3800e-003	0.1680	0.0112	0.1793	0.0460	0.0107	0.0567		820.0478	820.0478	0.0891		822.2761
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1428	2.9366	1.1553	8.7700e-003	0.3134	0.0122	0.3255	0.0845	0.0116	0.0962		958.5984	958.5984	0.0925		960.9120

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8151	0.0000	0.8151	0.1234	0.0000	0.1234			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	0.2811	1.2179	14.7184	0.0241	0.8151	0.0375	0.8526	0.1234	0.0375	0.1609	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0823	2.8980	0.7260	7.3800e-003	0.1680	0.0112	0.1793	0.0460	0.0107	0.0567	820.0478	820.0478	0.0891	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394	138.5506	138.5506	3.4100e-003		138.6359
Total	0.1428	2.9366	1.1553	8.7700e-003	0.3134	0.0122	0.3255	0.0845	0.0116	0.0962	958.5984	958.5984	0.0925		960.9120

3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					18.2377	0.0000	18.2377	9.9492	0.0000	9.9492			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	18.2377	1.0730	19.3107	9.9492	0.9871	10.9363		2,041.2539	2,041.2539	0.6458		2,057.3997

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430

Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					7.1127	0.0000	7.1127	3.8802	0.0000	3.8802			0.0000				0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	2,041.2539	2,041.2539	0.6458			2,057.3997
Total	0.2522	1.0927	10.9071	0.0206	7.1127	0.0336	7.1463	3.8802	0.0336	3.9138	0.0000	2,041.2539	2,041.2539	0.6458			2,057.3997

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003			106.6430
Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003			106.6430

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0788	0.0000	3.0788	0.4662	0.0000	0.4662			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	3.0788	1.2863	4.3651	0.4662	1.2017	1.6679		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1216	4.2794	1.0720	0.0109	0.2481	0.0166	0.2647	0.0679	0.0159	0.0838		1,210.9514	1,210.9514	0.1316		1,214.2419
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1820	4.3181	1.5014	0.0123	0.3935	0.0176	0.4110	0.1065	0.0168	0.1232		1,349.5020	1,349.5020	0.1350		1,352.8778

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.2007	0.0000	1.2007	0.1818	0.0000	0.1818			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	0.2811	1.2179	14.7184	0.0241	1.2007	0.0375	1.2382	0.1818	0.0375	0.2193	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1216	4.2794	1.0720	0.0109	0.2481	0.0166	0.2647	0.0679	0.0159	0.0838		1,210.9514	1,210.9514	0.1316		1,214.2419
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1820	4.3181	1.5014	0.0123	0.3935	0.0176	0.4110	0.1065	0.0168	0.1232		1,349.5020	1,349.5020	0.1350		1,352.8778

3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418		1,759.7870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003	159.9645	
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003	159.9645	

3.6 Subgrade - 1B - 2019

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					16.3134	0.0000	16.3134	8.8548	0.0000	8.8548			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	16.3134	1.0730	17.3864	8.8548	0.9871	9.8419		2,041.2539	2,041.2539	0.6458		2,057.3997

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430

Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.3622	0.0000	6.3622	3.4534	0.0000	3.4534			0.0000				0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	2,041.2539	2,041.2539	0.6458			2,057.3997
Total	0.2522	1.0927	10.9071	0.0206	6.3622	0.0336	6.3959	3.4534	0.0336	3.4870	0.0000	2,041.2539	2,041.2539	0.6458			2,057.3997

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003			106.6430
Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003			106.6430

3.7 Construction of Tie-Down Area Pavement - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2453	12.5685	11.8507	0.0178		0.7301	0.7301		0.6728	0.6728		1,746.2432	1,746.2432	0.5418		1,759.7870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,746.2432	1,746.2432	0.5418		1,759.7870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
Unmitigated	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245

Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0230	0.0230	6.0000e-005		0.0245
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	0.0372					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0230	0.0230	6.0000e-005		0.0245
Total	0.0462	1.0000e-004	0.0108	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0230	0.0230	6.0000e-005		0.0245

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 PA Mitigated - Orange County, Summer

**JWA Phase 2 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	121.04	1000sqft	2.78	121,041.00	0
Parking Lot	70.12	1000sqft	1.61	70,119.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11470	11725
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	121,040.00	121,041.00
tblLandUse	LandUseSquareFeet	70,120.00	70,119.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.8167	86.2210	66.3486	0.1526	7.5652	3.9722	11.5374	1.5413	3.7179	5.2591	0.0000	15,203.7733	15,203.7733	2.7152	0.0000	15,271.6535

Maximum	8.8167	86.2210	66.3486	0.1526	7.5652	3.9722	11.5374	1.5413	3.7179	5.2591	0.0000	15,203.77 33	15,203.773 3	2.7152	0.0000	15,271.65 35
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.3828	21.1205	69.0988	0.1526	4.9918	0.2226	5.2144	1.1516	0.2185	1.3702	0.0000	15,203.77 33	15,203.773 3	2.7152	0.0000	15,271.65 35
Maximum	2.3828	21.1205	69.0988	0.1526	4.9918	0.2226	5.2144	1.1516	0.2185	1.3702	0.0000	15,203.77 33	15,203.773 3	2.7152	0.0000	15,271.65 35

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	72.97	75.50	-4.14	0.00	34.02	94.40	54.80	25.28	94.12	73.95	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9023	3.6657	12.8607	0.0491	4.3560	0.0349	4.3909	1.1648	0.0325	1.1973		4,982.059 3	4,982.0593	0.1999		4,987.057 8

Total	2.4035	3.9227	13.1023	0.0506	4.3560	0.0545	4.4105	1.1648	0.0521	1.2169		5,290.2219	5,290.2219	0.2060	5.6500e-003	5,297.0550
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9023	3.6657	12.8607	0.0491	4.3560	0.0349	4.3909	1.1648	0.0325	1.1973		4,982.0593	4,982.0593	0.1999		4,987.0578
Total	2.4035	3.9227	13.1023	0.0506	4.3560	0.0545	4.4105	1.1648	0.0521	1.2169		5,290.2219	5,290.2219	0.2060	5.6500e-003	5,297.0550

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.39

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	897.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2187	0.0000	4.2187	0.6388	0.0000	0.6388			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	4.2187	1.6587	5.8774	0.6388	1.5419	2.1806		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.1473	5.3619	1.3548	0.0149	0.3395	0.0174	0.3569	0.0930	0.0166	0.1096	1,663.4629	1,663.4629	0.1724		1,667.7737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003		163.5997
Total	0.2049	5.3982	1.8458	0.0166	0.5072	0.0185	0.5257	0.1374	0.0176	0.1550	1,826.9694	1,826.9694	0.1762		1,831.3734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6453	0.0000	1.6453	0.2491	0.0000	0.2491			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	1.6453	0.0616	1.7069	0.2491	0.0616	0.3108	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1473	5.3619	1.3548	0.0149	0.3395	0.0174	0.3569	0.0930	0.0166	0.1096	1,663.4629	1,663.4629	0.1724			1,667.7737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003			163.5997

Total	0.2049	5.3982	1.8458	0.0166	0.5072	0.0185	0.5257	0.1374	0.0176	0.1550		1,826.9694	1,826.9694	0.1762		1,831.3734
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3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,122.7449	1,122.7449	0.0256		1,123.3848
Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,122.7449	1,122.7449	0.0256		1,123.3848
Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,122.7449	1,122.7449	0.0256		1,123.3848
Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.3958	0.2494	3.3715	0.0113	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,122.7449	1,122.7449	0.0256		1,123.3848
Total	0.5300	4.6248	4.5263	0.0217	1.4197	0.0304	1.4501	0.3826	0.0289	0.4114		2,261.4864	2,261.4864	0.1177		2,264.4288

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4737	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3976	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
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3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4884	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140			2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003			163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003			163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4123	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9023	3.6657	12.8607	0.0491	4.3560	0.0349	4.3909	1.1648	0.0325	1.1973		4,982.0593	4,982.0593	0.1999		4,987.0578
Unmitigated	0.9023	3.6657	12.8607	0.0491	4.3560	0.0349	4.3909	1.1648	0.0325	1.1973		4,982.0593	4,982.0593	0.1999		4,987.0578

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
General Office Building	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
Parking Lot	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Unmitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 PA Mitigated - Orange County, Winter

**JWA Phase 2 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	121.04	1000sqft	2.78	121,041.00	0
Parking Lot	70.12	1000sqft	1.61	70,119.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	11470	11725
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	121,040.00	121,041.00
tblLandUse	LandUseSquareFeet	70,120.00	70,119.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.9427	86.3385	66.0944	0.1506	7.5652	3.9733	11.5385	1.5413	3.7189	5.2602	0.0000	14,993.5793	14,993.5793	2.7257	0.0000	15,061.7219

Maximum	8.9427	86.3385	66.0944	0.1506	7.5652	3.9733	11.5385	1.5413	3.7189	5.2602	0.0000	14,993.57 93	14,993.579 3	2.7257	0.0000	15,061.72 19
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.5088	21.2381	68.8445	0.1506	4.9918	0.2237	5.2155	1.1516	0.2196	1.3712	0.0000	14,993.57 93	14,993.579 3	2.7257	0.0000	15,061.72 19
Maximum	2.5088	21.2381	68.8445	0.1506	4.9918	0.2237	5.2155	1.1516	0.2196	1.3712	0.0000	14,993.57 93	14,993.579 3	2.7257	0.0000	15,061.72 19

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	71.95	75.40	-4.16	0.00	34.02	94.37	54.80	25.28	94.10	73.93	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.8874	3.7824	12.2404	0.0469	4.3560	0.0350	4.3910	1.1648	0.0326	1.1974		4,761.329 3	4,761.3293	0.1987		4,766.297 1

Total	2.3886	4.0394	12.4820	0.0484	4.3560	0.0546	4.4106	1.1648	0.0522	1.2170		5,069.4919	5,069.4919	0.2048	5.6500e-003	5,076.2943
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.8874	3.7824	12.2404	0.0469	4.3560	0.0350	4.3910	1.1648	0.0326	1.1974		4,761.3293	4,761.3293	0.1987		4,766.2971
Total	2.3886	4.0394	12.4820	0.0484	4.3560	0.0546	4.4106	1.1648	0.0522	1.2170		5,069.4919	5,069.4919	0.2048	5.6500e-003	5,076.2943

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.39

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	897.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2	9	103.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2187	0.0000	4.2187	0.6388	0.0000	0.6388			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	4.2187	1.6587	5.8774	0.6388	1.5419	2.1806		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.1509	5.4294	1.4265	0.0147	0.3395	0.0177	0.3572	0.0930	0.0169	0.1099	1,638.3508	1,638.3508	0.1765		1,642.7641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	154.7432	154.7432	3.5300e-003		154.8314
Total	0.2161	5.4693	1.8803	0.0163	0.5072	0.0188	0.5260	0.1374	0.0179	0.1554	1,793.0940	1,793.0940	0.1801		1,797.5955

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					1.6453	0.0000	1.6453	0.2491	0.0000	0.2491			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	1.6453	0.0616	1.7069	0.2491	0.0616	0.3108	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.1509	5.4294	1.4265	0.0147	0.3395	0.0177	0.3572	0.0930	0.0169	0.1099	1,638.3508	1,638.3508	0.1765			1,642.7641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	154.7432	154.7432	3.5300e-003			154.8314

Total	0.2161	5.4693	1.8803	0.0163	0.5072	0.0188	0.5260	0.1374	0.0179	0.1554		1,793.094	1,793.0940	0.1801		1,797.595
												0				5

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,062.5698	1,062.5698	0.0242		1,063.1759
Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.3272	2,173.3272	0.1210		2,176.3519

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,062.5698	1,062.5698	0.0242		1,063.1759
Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.3272	2,173.3272	0.1210		2,176.3519

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,062.5698	1,062.5698	0.0242		1,063.1759
Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.3272	2,173.3272	0.1210		2,176.3519

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968			1,113.1761
Worker	0.4473	0.2741	3.1161	0.0107	1.1513	7.6100e-003	1.1589	0.3053	7.0100e-003	0.3123		1,062.5698	1,062.5698	0.0242			1,063.1759
Total	0.5874	4.6481	4.3820	0.0209	1.4197	0.0308	1.4505	0.3826	0.0292	0.4118		2,173.3272	2,173.3272	0.1210			2,176.3519

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.4737	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140			2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3976	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
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3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4884	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4123	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8874	3.7824	12.2404	0.0469	4.3560	0.0350	4.3910	1.1648	0.0326	1.1974		4,761.3293	4,761.3293	0.1987		4,766.2971
Unmitigated	0.8874	3.7824	12.2404	0.0469	4.3560	0.0350	4.3910	1.1648	0.0326	1.1974		4,761.3293	4,761.3293	0.1987		4,766.2971

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
General Office Building	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966
Parking Lot	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Unmitigated	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1727					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	2.4200e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591
Total	1.4729	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0554	0.0554	1.5000e-004		0.0591

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA_Phase3_PA Mitigation - Orange County, Summer

**JWA_Phase3_PA Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	106.90	1000sqft	2.45	106,902.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	106,900.00	106,902.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4590	36.4865	23.0652	0.0495	3.3649	1.6703	5.0353	0.5944	1.5529	2.1474	0.0000	4,919.2125	4,919.2125	1.1662	0.0000	4,948.3666
2021	7.8852	68.9149	71.7719	0.1448	4.4131	3.3059	7.1957	1.1510	3.0807	3.9370	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250
Maximum	7.8852	68.9149	71.7719	0.1448	4.4131	3.3059	7.1957	1.1510	3.0807	3.9370	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.6092	5.2887	24.5918	0.0495	1.8040	0.0733	1.8773	0.3581	0.0727	0.4308	0.0000	4,919.2125	4,919.2125	1.1662	0.0000	4,948.3666
2021	2.7888	18.9247	78.8269	0.1448	4.2733	0.1896	4.4422	1.1510	0.1875	1.3171	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250
Maximum	2.7888	18.9247	78.8269	0.1448	4.2733	0.1896	4.4422	1.1510	0.1875	1.3171	0.0000	14,249.0852	14,249.0852	2.8862	0.0000	14,303.5250

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	70.05	77.03	-9.05	0.00	21.87	94.72	48.33	13.54	94.38	71.27	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3923	2.0794	6.9350	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5108	2,958.5108	0.1111	4.0200e-003	2,962.4885

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004			0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003		220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068			2,741.6468
Total	1.3923	2.0794	6.9350	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5108	2,958.5108	0.1111	4.0200e-003		2,962.4885

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36

Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	579.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO-3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5589	0.0000	2.5589	0.3874	0.0000	0.3874			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.5589	1.6587	4.2176	0.3874	1.5419	1.9293		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0892	3.2491	0.8210	9.0400e-003	0.6384	0.0105	0.6489	0.1625	0.0101	0.1726		1,008.0011	1,008.0011	0.1045		1,010.6132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1469	3.2855	1.3120	0.0107	0.8060	0.0116	0.8177	0.2070	0.0111	0.2181		1,171.5076	1,171.5076	0.1082		1,174.2130

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9980	0.0000	0.9980	0.1511	0.0000	0.1511			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	0.9980	0.0616	1.0596	0.1511	0.0616	0.2127	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0892	3.2491	0.8210	9.0400e-003	0.6384	0.0105	0.6489	0.1625	0.0101	0.1726		1,008.0011	1,008.0011	0.1045		1,010.6132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1469	3.2855	1.3120	0.0107	0.8060	0.0116	0.8177	0.2070	0.0111	0.2181		1,171.5076	1,171.5076	0.1082		1,174.2130

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.5589	0.0000	2.5589	0.3874	0.0000	0.3874			0.0000				0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549			3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.5589	1.5513	4.1103	0.3874	1.4411	1.8285		3,747.9449	3,747.9449	1.0549			3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0851	3.0039	0.8252	8.9100e-003	0.2621	9.4400e-003	0.2716	0.0702	9.0300e-003	0.0792		995.6647	995.6647	0.1032		998.2455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1392	3.0367	1.2808	0.0105	0.4298	0.0105	0.4403	0.1146	0.0100	0.1247		1,153.4939	1,153.4939	0.1066		1,156.1591

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9980	0.0000	0.9980	0.1511	0.0000	0.1511			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.4623	2.0032	23.2798	0.0388	0.9980	0.0616	1.0596	0.1511	0.0616	0.2127	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0851	3.0039	0.8252	8.9100e-003	0.2621	9.4400e-003	0.2716	0.0702	9.0300e-003	0.0792		995.6647	995.6647	0.1032		998.2455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1392	3.0367	1.2808	0.0105	0.4298	0.0105	0.4403	0.1146	0.0100	0.1247		1,153.4939	1,153.4939	0.1066		1,156.1591

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864	1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234	1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099	2,199.0774

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.8464	1.0432	0.0101	0.2620	7.9900e-003	0.2699	0.0754	7.6400e-003	0.0830		1,102.0493	1,102.0493	0.0864		1,104.2097
Worker	0.3754	0.2271	3.1588	0.0110	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,094.2819	1,094.2819	0.0234		1,094.8678
Total	0.4848	4.0735	4.2019	0.0211	1.4244	0.0155	1.4399	0.3837	0.0146	0.3982		2,196.3312	2,196.3312	0.1099		2,199.0774

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4540	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6014	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	157.8291	157.8291	3.3800e-003	157.9136	
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	157.8291	157.8291	3.3800e-003	157.9136	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Unmitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139			219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
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6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Unmitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584
Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584
Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA_Phase3_PA Mitigation - Orange County, Winter

JWA_Phase3_PA Mitigation
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	106.90	1000sqft	2.45	106,902.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	106,900.00	106,902.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4687	36.5310	23.0714	0.0493	3.3649	1.6705	5.0355	0.5944	1.5531	2.1475	0.0000	4,895.2321	4,895.2321	1.1685	0.0000	4,924.4434
2021	8.0096	68.9482	71.4161	0.1429	4.4131	3.3065	7.1966	1.1510	3.0813	3.9376	0.0000	14,041.1799	14,041.1799	2.8918	0.0000	14,113.4744
Maximum	8.0096	68.9482	71.4161	0.1429	4.4131	3.3065	7.1966	1.1510	3.0813	3.9376	0.0000	14,041.1799	14,041.1799	2.8918	0.0000	14,113.4744

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.6189	5.3332	24.5980	0.0493	1.8040	0.0735	1.8775	0.3581	0.0729	0.4310	0.0000	4,895.2321	4,895.2321	1.1685	0.0000	4,924.4433
2021	2.9133	18.9648	78.4710	0.1429	4.2733	0.1902	4.4431	1.1510	0.1881	1.3180	0.0000	14,041.1799	14,041.1799	2.8918	0.0000	14,113.4743
Maximum	2.9133	18.9648	78.4710	0.1429	4.2733	0.1902	4.4431	1.1510	0.1881	1.3180	0.0000	14,041.1799	14,041.1799	2.8918	0.0000	14,113.4743

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	69.23	76.96	-9.08	0.00	21.87	94.70	48.33	13.54	94.37	71.26	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Total	1.3843	2.1396	6.5825	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2621	2,838.2621	0.1104	4.0200e-003	2,842.2215

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004			0.0584
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003		220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061			2,621.3798
Total	1.3843	2.1396	6.5825	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2621	2,838.2621	0.1104	4.0200e-003		2,842.2215

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36

Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	579.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO-3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	104.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5589	0.0000	2.5589	0.3874	0.0000	0.3874			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.5589	1.6587	4.2176	0.3874	1.5419	1.9293		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0915	3.2900	0.8644	8.9100e-003	0.6384	0.0107	0.6491	0.1625	0.0103	0.1728		992.7840	992.7840	0.1070		995.4583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1566	3.3299	1.3182	0.0105	0.8060	0.0118	0.8179	0.2070	0.0113	0.2183		1,147.5272	1,147.5272	0.1105		1,150.2897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9980	0.0000	0.9980	0.1511	0.0000	0.1511			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	0.9980	0.0616	1.0596	0.1511	0.0616	0.2127	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0915	3.2900	0.8644	8.9100e-003	0.6384	0.0107	0.6491	0.1625	0.0103	0.1728		992.7840	992.7840	0.1070		995.4583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1566	3.3299	1.3182	0.0105	0.8060	0.0118	0.8179	0.2070	0.0113	0.2183		1,147.5272	1,147.5272	0.1105		1,150.2897

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.5589	0.0000	2.5589	0.3874	0.0000	0.3874			0.0000				0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549			3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.5589	1.5513	4.1103	0.3874	1.4411	1.8285		3,747.9449	3,747.9449	1.0549			3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0872	3.0394	0.8663	8.7800e-003	0.2621	9.6100e-003	0.2718	0.0702	9.1900e-003	0.0794		980.5783	980.5783	0.1055		983.2167
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1485	3.0754	1.2867	0.0103	0.4298	0.0107	0.4405	0.1146	0.0102	0.1248		1,129.9531	1,129.9531	0.1087		1,132.6715

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9980	0.0000	0.9980	0.1511	0.0000	0.1511			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.4623	2.0032	23.2798	0.0388	0.9980	0.0616	1.0596	0.1511	0.0616	0.2127	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0872	3.0394	0.8663	8.7800e-003	0.2621	9.6100e-003	0.2718	0.0702	9.1900e-003	0.0794		980.5783	980.5783	0.1055		983.2167
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1485	3.0754	1.2867	0.0103	0.4298	0.0107	0.4405	0.1146	0.0102	0.1248		1,129.9531	1,129.9531	0.1087		1,132.6715

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1148	3.8373	1.1444	9.8700e-003	0.2620	8.2900e-003	0.2702	0.0754	7.9300e-003	0.0833		1,074.9749	1,074.9749	0.0906		1,077.2409
Worker	0.4250	0.2496	2.9148	0.0104	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,035.6655	1,035.6655	0.0222		1,036.2199
Total	0.5398	4.0869	4.0592	0.0203	1.4244	0.0158	1.4402	0.3837	0.0149	0.3985		2,110.6404	2,110.6404	0.1128		2,113.4608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1148	3.8373	1.1444	9.8700e-003	0.2620	8.2900e-003	0.2702	0.0754	7.9300e-003	0.0833		1,074.9749	1,074.9749	0.0906		1,077.2409
Worker	0.4250	0.2496	2.9148	0.0104	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,035.6655	1,035.6655	0.0222		1,036.2199
Total	0.5398	4.0869	4.0592	0.0203	1.4244	0.0158	1.4402	0.3837	0.0149	0.3985		2,110.6404	2,110.6404	0.1128		2,113.4608

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1148	3.8373	1.1444	9.8700e-003	0.2620	8.2900e-003	0.2702	0.0754	7.9300e-003	0.0833		1,074.9749	1,074.9749	0.0906			1,077.2409
Worker	0.4250	0.2496	2.9148	0.0104	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,035.6655	1,035.6655	0.0222			1,036.2199
Total	0.5398	4.0869	4.0592	0.0203	1.4244	0.0158	1.4402	0.3837	0.0149	0.3985		2,110.6404	2,110.6404	0.1128			2,113.4608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1148	3.8373	1.1444	9.8700e-003	0.2620	8.2900e-003	0.2702	0.0754	7.9300e-003	0.0833		1,074.9749	1,074.9749	0.0906		1,077.2409
Worker	0.4250	0.2496	2.9148	0.0104	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,035.6655	1,035.6655	0.0222		1,036.2199
Total	0.5398	4.0869	4.0592	0.0203	1.4244	0.0158	1.4402	0.3837	0.0149	0.3985		2,110.6404	2,110.6404	0.1128		2,113.4608

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1148	3.8373	1.1444	9.8700e-003	0.2620	8.2900e-003	0.2702	0.0754	7.9300e-003	0.0833		1,074.9749	1,074.9749	0.0906		1,077.2409
Worker	0.4250	0.2496	2.9148	0.0104	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,035.6655	1,035.6655	0.0222		1,036.2199
Total	0.5398	4.0869	4.0592	0.0203	1.4244	0.0158	1.4402	0.3837	0.0149	0.3985		2,110.6404	2,110.6404	0.1128		2,113.4608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1148	3.8373	1.1444	9.8700e-003	0.2620	8.2900e-003	0.2702	0.0754	7.9300e-003	0.0833		1,074.9749	1,074.9749	0.0906		1,077.2409
Worker	0.4250	0.2496	2.9148	0.0104	1.1625	7.5200e-003	1.1700	0.3083	6.9300e-003	0.3152		1,035.6655	1,035.6655	0.0222		1,036.2199
Total	0.5398	4.0869	4.0592	0.0203	1.4244	0.0158	1.4402	0.3837	0.0149	0.3985		2,110.6404	2,110.6404	0.1128		2,113.4608

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4540	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6014	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Unmitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139			219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
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6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584
Unmitigated	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0548	0.0548	1.4000e-004		0.0584

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584
Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3800e-003	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584
Total	0.9150	2.3000e-004	0.0256	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0548	0.0548	1.4000e-004	0.0584

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 PA Mitigated - Orange County, Summer

**JWA Phase 4 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation - *L&B mitigation

Fleet Mix -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	PhaseEndDate	7/4/2022	3/9/2022
tblConstructionPhase	PhaseEndDate	9/27/2021	11/30/2021
tblConstructionPhase	PhaseEndDate	7/18/2022	3/23/2022
tblConstructionPhase	PhaseEndDate	8/1/2022	3/25/2022

tblConstructionPhase	PhaseEndDate	8/15/2022	7/13/2022
tblConstructionPhase	PhaseStartDate	9/28/2021	11/10/2021
tblConstructionPhase	PhaseStartDate	7/5/2022	2/2/2022
tblConstructionPhase	PhaseStartDate	7/19/2022	2/10/2022
tblConstructionPhase	PhaseStartDate	8/2/2022	5/27/2022
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0588	36.1320	29.6152	0.0589	1.9064	1.7358	3.6422	0.3747	1.6423	2.0170	0.0000	5,672.8780	5,672.8780	1.0392	0.0000	5,698.8568
2022	3.3943	27.4158	32.4399	0.0588	0.7825	1.2905	2.0730	0.2095	1.2162	1.4257	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	4.0588	36.1320	32.4399	0.0589	1.9064	1.7358	3.6422	0.3747	1.6423	2.0170	0.0000	5,672.8780	5,672.8780	1.2124	0.0000	5,698.8568

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2021	4.0588	36.1320	29.6152	0.0589	1.1898	1.7358	2.9256	0.2662	1.6423	1.9085	0.0000	5,672.8780	5,672.8780	1.0392	0.0000	5,698.8568
2022	3.3943	27.4158	32.4399	0.0588	0.7825	1.2905	2.0730	0.2095	1.2162	1.4257	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	4.0588	36.1320	32.4399	0.0589	1.1898	1.7358	2.9256	0.2662	1.6423	1.9085	0.0000	5,672.8780	5,672.8780	1.2124	0.0000	5,698.8568

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	26.65	0.00	12.54	18.57	0.00	3.15	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/30/2021	5	66	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29

Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 1 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 1 - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Park Spaces / Lighting Phase 1 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 1 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 1 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 1 - 4	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting Phase 1 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 2 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 2 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 2 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 2 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 2 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 4		5	13.00	0.00	358.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 4		7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 4		5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1748	0.0000	1.1748	0.1779	0.0000	0.1779			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.1748	1.0409	2.2157	0.1779	0.9715	1.1493		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0391	1.3789	0.3788	4.0900e-003	0.0944	4.3300e-003	0.0988	0.0259	4.1400e-003	0.0300		457.0563	457.0563	0.0474		458.2410
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585

Total	0.0860	1.4073	0.7737	5.4600e-003	0.2398	5.2700e-003	0.2450	0.0644	5.0100e-003	0.0694		593.8416	593.8416	0.0503		595.0995
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4582	0.0000	0.4582	0.0694	0.0000	0.0694			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.4582	1.0409	1.4991	0.0694	0.9715	1.0408	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0391	1.3789	0.3788	4.0900e-003	0.0944	4.3300e-003	0.0988	0.0259	4.1400e-003	0.0300		457.0563	457.0563	0.0474		458.2410
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	0.0860	1.4073	0.7737	5.4600e-003	0.2398	5.2700e-003	0.2450	0.0644	5.0100e-003	0.0694		593.8416	593.8416	0.0503		595.0995

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927
Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927
Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280		372.6137	372.6137	0.0286		373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		364.7524	364.7524	7.3700e-003		364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371		737.3661	737.3661	0.0360		738.2649

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280	372.6137	372.6137	0.0286		373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091	364.7524	364.7524	7.3700e-003		364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371	737.3661	737.3661	0.0360		738.2649

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394	131.7162	131.7162	2.6600e-003		131.7827	
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003	131.7827	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	lb/day										lb/day					
	Mitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,769.7778	1,769.7778	0.0669		1,771.4511
Unmitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,769.7778	1,769.7778	0.0669		1,771.4511	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day				
	Architectural Coating	0.0690				0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	0.5238				0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 PA Mitigated - Orange County, Winter

**JWA Phase 4 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation - *L&B mitigation

Fleet Mix -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	PhaseEndDate	7/4/2022	3/9/2022
tblConstructionPhase	PhaseEndDate	9/27/2021	11/30/2021
tblConstructionPhase	PhaseEndDate	7/18/2022	3/23/2022
tblConstructionPhase	PhaseEndDate	8/1/2022	3/25/2022

tblConstructionPhase	PhaseEndDate	8/15/2022	7/13/2022
tblConstructionPhase	PhaseStartDate	9/28/2021	11/10/2021
tblConstructionPhase	PhaseStartDate	7/5/2022	2/2/2022
tblConstructionPhase	PhaseStartDate	7/19/2022	2/10/2022
tblConstructionPhase	PhaseStartDate	8/2/2022	5/27/2022
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0850	36.1558	29.5537	0.0585	1.9064	1.7360	3.6424	0.3747	1.6425	2.0172	0.0000	5,629.0904	5,629.0904	1.0411	0.0000	5,655.1170
2022	3.4247	27.4242	32.3345	0.0584	0.7825	1.2906	2.0731	0.2095	1.2163	1.4258	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	4.0850	36.1558	32.3345	0.0585	1.9064	1.7360	3.6424	0.3747	1.6425	2.0172	0.0000	5,629.0904	5,629.0904	1.2131	0.0000	5,655.1170

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2021	4.0850	36.1558	29.5537	0.0585	1.1898	1.7360	2.9258	0.2662	1.6425	1.9087	0.0000	5,629.0904	5,629.0904	1.0411	0.0000	5,655.1170
2022	3.4247	27.4242	32.3345	0.0584	0.7825	1.2906	2.0731	0.2095	1.2163	1.4258	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	4.0850	36.1558	32.3345	0.0585	1.1898	1.7360	2.9258	0.2662	1.6425	1.9087	0.0000	5,629.0904	5,629.0904	1.2131	0.0000	5,655.1170

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	26.65	0.00	12.54	18.57	0.00	3.15	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.7802	1,863.7802	0.0697	3.1400e-003	1,866.4574

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.7802	1,863.7802	0.0697	3.1400e-003	1,866.4574

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/30/2021	5	66	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29

Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 1 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 1 - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Park Spaces / Lighting Phase 1 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 1 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 1 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 1 - 4	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting Phase 1 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 2 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 2 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 2 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 2 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 2 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 4		5	13.00	0.00	358.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 4		7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 4		5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1748	0.0000	1.1748	0.1779	0.0000	0.1779			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.1748	1.0409	2.2157	0.1779	0.9715	1.1493		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0400	1.3952	0.3977	4.0300e-003	0.0944	4.4100e-003	0.0989	0.0259	4.2200e-003	0.0301		450.1309	450.1309	0.0485		451.3421
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275

Total	0.0932	1.4264	0.7620	5.3300e-003	0.2398	5.3500e-003	0.2451	0.0644	5.0900e-003	0.0695		579.5891	579.5891	0.0512		580.8696
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4582	0.0000	0.4582	0.0694	0.0000	0.0694			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.4582	1.0409	1.4991	0.0694	0.9715	1.0408	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0400	1.3952	0.3977	4.0300e-003	0.0944	4.4100e-003	0.0989	0.0259	4.2200e-003	0.0301		450.1309	450.1309	0.0485		451.3421
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	0.0932	1.4264	0.7620	5.3300e-003	0.2398	5.3500e-003	0.2451	0.0644	5.0900e-003	0.0695		579.5891	579.5891	0.0512		580.8696

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.1471	0.0864	1.0090	3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003		358.6915
Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386		726.5299

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.1471	0.0864	1.0090	3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003		358.6915
Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386		726.5299

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394	124.6672	124.6672	2.5200e-003		124.7301	
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003	124.7301	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	lb/day										lb/day					
	Mitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,692.7286	1,692.7286	0.0664		1,694.3882
Unmitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,692.7286	1,692.7286	0.0664		1,694.3882	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day				
	Architectural Coating	0.0690				0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	0.5238				0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 PA Mitigated - Orange County, Summer

**JWA Phase 5 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.20	1000sqft	0.90	39,200.00	0
Other Non-Asphalt Surfaces	64.02	1000sqft	1.47	64,017.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	47.00
tblConstructionPhase	NumDays	20.00	32.00

tblConstructionPhase	NumDays	10.00	38.00
tblLandUse	LandUseSquareFeet	64,020.00	64,017.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8783	36.2690	31.3478	0.0699	4.1647	1.5571	5.7217	0.7478	1.4721	2.2199	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057
Maximum	3.8783	36.2690	31.3478	0.0699	4.1647	1.5571	5.7217	0.7478	1.4721	2.2199	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.9445	10.1316	32.6880	0.0699	2.2280	0.0896	2.3176	0.4546	0.0888	0.5434	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057
Maximum	0.9445	10.1316	32.6880	0.0699	2.2280	0.0896	2.3176	0.4546	0.0888	0.5434	0.0000	6,851.2465	6,851.2465	1.2064	0.0000	6,881.4057

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	75.65	72.07	-4.28	0.00	46.50	94.24	59.50	39.21	93.97	75.52	0.00	0.00	0.00	0.00	0.00	0.00
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2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Mobile	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027		2,732.3863	2,732.3863	0.1033		2,734.9698
Total	1.3496	1.7365	6.7044	0.0282	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,996.4798	2,996.4798	0.1085	4.8400e-003	3,000.6340

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Mobile	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027		2,732.3863	2,732.3863	0.1033		2,734.9698
Total	1.3496	1.7365	6.7044	0.0282	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,996.4798	2,996.4798	0.1085	4.8400e-003	3,000.6340

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42

Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	469.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 5	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1750	0.0000	3.1750	0.4807	0.0000	0.4807			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	3.1750	0.8379	4.0129	0.4807	0.7829	1.2636		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1002	3.4236	1.0290	0.0109	0.2552	0.0101	0.2653	0.0699	9.6800e-003	0.0795		1,218.6962	1,218.6962	0.1264		1,221.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1445	3.4493	1.3975	0.0122	0.4005	0.0110	0.4115	0.1084	0.0105	0.1189		1,350.4124	1,350.4124	0.1291		1,353.6399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2382	0.0000	1.2382	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.2382	0.0375	1.2757	0.1875	0.0375	0.2250	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.1002	3.4236	1.0290	0.0109	0.2552	0.0101	0.2653	0.0699	9.6800e-003	0.0795		1,218.6962	1,218.6962	0.1264		1,221.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1445	3.4493	1.3975	0.0122	0.4005	0.0110	0.4115	0.1084	0.0105	0.1189		1,350.4124	1,350.4124	0.1291		1,353.6399

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027		2,732.3863	2,732.3863	0.1033		2,734.9698
Unmitigated	0.4212	1.5163	6.5090	0.0269	2.5667	0.0176	2.5843	0.6864	0.0163	0.7027		2,732.3863	2,732.3863	0.1033		2,734.9698

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	273.22	51.74	26.66	913,819	913,819
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	273.22	51.74	26.66	913,819	913,819

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
NaturalGas Unmitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2244.6	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.2446	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Unmitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 PA Mitigated - Orange County, Winter

**JWA Phase 5 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.20	1000sqft	0.90	39,200.00	0
Other Non-Asphalt Surfaces	64.02	1000sqft	1.47	64,017.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	47.00
tblConstructionPhase	NumDays	20.00	32.00

tblConstructionPhase	NumDays	10.00	38.00
tblLandUse	LandUseSquareFeet	64,020.00	64,017.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.9087	36.3124	31.3112	0.0693	4.1647	1.5574	5.7220	0.7478	1.4724	2.2202	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903
Maximum	3.9087	36.3124	31.3112	0.0693	4.1647	1.5574	5.7220	0.7478	1.4724	2.2202	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.9749	10.1751	32.6514	0.0693	2.2280	0.0899	2.3179	0.4546	0.0890	0.5436	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903
Maximum	0.9749	10.1751	32.6514	0.0693	2.2280	0.0899	2.3179	0.4546	0.0890	0.5436	0.0000	6,791.1396	6,791.1396	1.2100	0.0000	6,821.3903

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	75.06	71.98	-4.28	0.00	46.50	94.23	59.49	39.21	93.95	75.51	0.00	0.00	0.00	0.00	0.00	0.00
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2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Mobile	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028		2,613.4289	2,613.4289	0.1025		2,615.9912
Total	1.3418	1.7885	6.3426	0.0270	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,877.5224	2,877.5224	0.1076	4.8400e-003	2,881.6554

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Mobile	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028		2,613.4289	2,613.4289	0.1025		2,615.9912
Total	1.3418	1.7885	6.3426	0.0270	2.5667	0.0344	2.6011	0.6864	0.0331	0.7195		2,877.5224	2,877.5224	0.1076	4.8400e-003	2,881.6554

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.47

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42

Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	469.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 5	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1750	0.0000	3.1750	0.4807	0.0000	0.4807			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	3.1750	0.8379	4.0129	0.4807	0.7829	1.2636		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1027	3.4607	1.0774	0.0107	0.2552	0.0103	0.2655	0.0699	9.8600e-003	0.0797		1,200.1116	1,200.1116	0.1291		1,203.3390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.1530	3.4890	1.4169	0.0120	0.4005	0.0112	0.4117	0.1084	0.0107	0.1191		1,324.7788	1,324.7788	0.1316		1,328.0691

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2382	0.0000	1.2382	0.1875	0.0000	0.1875			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.2382	0.0375	1.2757	0.1875	0.0375	0.2250	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.1027	3.4607	1.0774	0.0107	0.2552	0.0103	0.2655	0.0699	9.8600e-003	0.0797		1,200.1116	1,200.1116	0.1291		1,203.3390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.1530	3.4890	1.4169	0.0120	0.4005	0.0112	0.4117	0.1084	0.0107	0.1191		1,324.7788	1,324.7788	0.1316		1,328.0691

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028		2,613.4289	2,613.4289	0.1025		2,615.9912
Unmitigated	0.4133	1.5683	6.1472	0.0257	2.5667	0.0177	2.5844	0.6864	0.0164	0.7028		2,613.4289	2,613.4289	0.1025		2,615.9912

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	273.22	51.74	26.66	913,819	913,819
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	273.22	51.74	26.66	913,819	913,819

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
NaturalGas Unmitigated	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2244.6	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.2446	0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0242	0.2201	0.1849	1.3200e-003		0.0167	0.0167		0.0167	0.0167		264.0709	264.0709	5.0600e-003	4.8400e-003	265.6402

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Unmitigated	0.9043	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
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Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Total	0.9042	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 PA Mitigated - Orange County, Summer

**JWA Phase 6 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	14.95	1000sqft	0.34	14,945.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Landscape Equipment -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_Parking	897	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	47.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00

tbIFleetMix	MDV	0.11	0.00
tbIFleetMix	MH	9.0400e-004	0.00
tbIFleetMix	MHD	0.03	0.00
tbIFleetMix	OBUS	1.7750e-003	0.00
tbIFleetMix	SBUS	5.9800e-004	0.00
tbIFleetMix	UBUS	1.5240e-003	0.00
tbILandUse	LandUseSquareFeet	14,950.00	14,945.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7667	8.0220	9.3870	0.0181	1.7013	0.3791	2.0442	0.2848	0.3588	0.6125	0.0000	1,814.6561	1,814.6561	0.3239	0.0000	1,821.4715
Maximum	1.7667	8.0220	9.3870	0.0181	1.7013	0.3791	2.0442	0.2848	0.3588	0.6125	0.0000	1,814.6561	1,814.6561	0.3239	0.0000	1,821.4715

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.0569	2.1829	9.2738	0.0181	0.8039	0.0231	0.8270	0.1489	0.0228	0.1718	0.0000	1,814.6561	1,814.6561	0.3239	0.0000	1,821.4715

Maximum	1.0569	2.1829	9.2738	0.0181	0.8039	0.0231	0.8270	0.1489	0.0228	0.1718	0.0000	1,814.6561	1,814.6561	0.3239	0.0000	1,821.4715
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	40.18	72.79	1.21	0.00	52.75	93.91	59.54	47.71	93.64	71.96	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/28/2022	8/3/2022	5	5	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.34

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 897

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Road Relocation - 6	Cement and Mortar Mixers	4	6.00	9	0.56
Road Relocation - 6	Pavers	1	7.00	130	0.42
Road Relocation - 6	Rollers	1	7.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	4	10.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4711	0.0000	1.4711	0.2227	0.0000	0.2227			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001

Total	0.7094	6.4138	7.4693	0.0120	1.4711	0.3375	1.8086	0.2227	0.3225	0.5453		1,147.9025	1,147.9025	0.2119		1,153.2001
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	1.5884	0.4774	5.0500e-003	0.1184	4.6900e-003	0.1231	0.0324	4.4900e-003	0.0369		565.4335	565.4335	0.0587		566.9001
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0341	0.0198	0.2835	1.0200e-003	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		101.3201	101.3201	2.0500e-003		101.3713
Total	0.0806	1.6082	0.7609	6.0700e-003	0.2302	5.4000e-003	0.2356	0.0621	5.1400e-003	0.0672		666.7536	666.7536	0.0607		668.2714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5737	0.0000	0.5737	0.0869	0.0000	0.0869			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.5737	0.0177	0.5914	0.0869	0.0177	0.1046	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	1.5884	0.4774	5.0500e-003	0.1184	4.6900e-003	0.1231	0.0324	4.4900e-003	0.0369		565.4335	565.4335	0.0587		566.9001
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0341	0.0198	0.2835	1.0200e-003	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		101.3201	101.3201	2.0500e-003		101.3713
Total	0.0806	1.6082	0.7609	6.0700e-003	0.2302	5.4000e-003	0.2356	0.0621	5.1400e-003	0.0672		666.7536	666.7536	0.0607		668.2714

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371
Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.8612	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371
Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6659	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683
Total	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1309	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683
Total	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.7985	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371
Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.6237	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371
Total	3.4100e-003	1.9800e-003	0.0284	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		10.1320	10.1320	2.0000e-004		10.1371

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Other Asphalt Surfaces	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Unmitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
--	-----	-----	----	-----	---------------	--------------	------------	----------------	---------------	-------------	----------	-----------	-----------	-----	-----	------

SubCategory	lb/day										lb/day						
Architectural Coating	0.0000					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 PA Mitigated - Orange County, Winter

**JWA Phase 6 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	14.95	1000sqft	0.34	14,945.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Landscape Equipment -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_Parking	897	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	47.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.7840e-003	0.00
tblFleetMix	MCY	4.9410e-003	0.00

tbIFleetMix	MDV	0.11	0.00
tbIFleetMix	MH	9.0400e-004	0.00
tbIFleetMix	MHD	0.03	0.00
tbIFleetMix	OBUS	1.7750e-003	0.00
tbIFleetMix	SBUS	5.9800e-004	0.00
tbIFleetMix	UBUS	1.5240e-003	0.00
tbILandUse	LandUseSquareFeet	14,950.00	14,945.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7755	8.0412	9.3446	0.0179	1.7013	0.3791	2.0443	0.2848	0.3588	0.6126	0.0000	1,800.6112	1,800.6112	0.3237	0.0000	1,807.4546
Maximum	1.7755	8.0412	9.3446	0.0179	1.7013	0.3791	2.0443	0.2848	0.3588	0.6126	0.0000	1,800.6112	1,800.6112	0.3237	0.0000	1,807.4546

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.0657	2.2020	9.2314	0.0179	0.8039	0.0232	0.8271	0.1489	0.0229	0.1718	0.0000	1,800.6112	1,800.6112	0.3237	0.0000	1,807.4546

Maximum	1.0657	2.2020	9.2314	0.0179	0.8039	0.0232	0.8271	0.1489	0.0229	0.1718	0.0000	1,800.611 2	1,800.6112	0.3237	0.0000	1,807.454 6
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	39.98	72.62	1.21	0.00	52.75	93.89	59.54	47.71	93.61	71.95	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005	0.0000	3.4900e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/28/2022	8/3/2022	5	5	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.34

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 897

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Road Relocation - 6	Cement and Mortar Mixers	4	6.00	9	0.56
Road Relocation - 6	Pavers	1	7.00	130	0.42
Road Relocation - 6	Rollers	1	7.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	4	10.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4711	0.0000	1.4711	0.2227	0.0000	0.2227			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001

Total	0.7094	6.4138	7.4693	0.0120	1.4711	0.3375	1.8086	0.2227	0.3225	0.5453		1,147.9025	1,147.9025	0.2119		1,153.2001
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0476	1.6057	0.4999	4.9700e-003	0.1184	4.7800e-003	0.1232	0.0324	4.5700e-003	0.0370		556.8108	556.8108	0.0599		558.3082
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0217	0.2612	9.6000e-004	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		95.8979	95.8979	1.9400e-003		95.9463
Total	0.0864	1.6274	0.7610	5.9300e-003	0.2302	5.4900e-003	0.2357	0.0621	5.2200e-003	0.0673		652.7087	652.7087	0.0618		654.2545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5737	0.0000	0.5737	0.0869	0.0000	0.0869			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.5737	0.0177	0.5914	0.0869	0.0177	0.1046	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0476	1.6057	0.4999	4.9700e-003	0.1184	4.7800e-003	0.1232	0.0324	4.5700e-003	0.0370		556.8108	556.8108	0.0599		558.3082
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0217	0.2612	9.6000e-004	0.1118	7.1000e-004	0.1125	0.0296	6.5000e-004	0.0303		95.8979	95.8979	1.9400e-003		95.9463
Total	0.0864	1.6274	0.7610	5.9300e-003	0.2302	5.4900e-003	0.2357	0.0621	5.2200e-003	0.0673		652.7087	652.7087	0.0618		654.2545

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.0361	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946
Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.8612	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946
Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6659	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033
Total	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1309	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033
Total	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.7985	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946
Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.6237	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946
Total	3.8700e-003	2.1700e-003	0.0261	1.0000e-004	0.0112	7.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0300e-003		9.5898	9.5898	1.9000e-004		9.5946

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Other Asphalt Surfaces	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Unmitigated	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2700e-003	3.2700e-003	1.0000e-005		3.4900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day						
Architectural Coating	0.0000					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2900e-003					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003
Total	5.4300e-003	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			3.2700e-003	3.2700e-003	1.0000e-005	3.4900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7-8 PA Mitigated - Orange County, Summer

**JWA Phase 7-8 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	66.88	1000sqft	1.54	66,882.00	0
Other Asphalt Surfaces	110.48	1000sqft	2.54	110,478.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	91.00
tblConstructionPhase	NumDays	20.00	63.00

tblConstructionPhase	NumDays	18.00	113.00
tblLandUse	LandUseSquareFeet	66,880.00	66,882.00
tblLandUse	LandUseSquareFeet	110,480.00	110,478.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.8126	47.1884	41.1256	0.0917	4.2879	2.0721	6.3600	0.8160	1.9357	2.7517	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504
2024	1.0017	8.3058	12.7131	0.0208	0.2236	0.4000	0.6236	0.0593	0.3697	0.4290	0.0000	1,992.7491	1,992.7491	0.5707	0.0000	2,007.0168
Maximum	4.8126	47.1884	41.1256	0.0917	4.2879	2.0721	6.3600	0.8160	1.9357	2.7517	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.2573	10.0913	44.9082	0.0917	2.5332	0.1228	2.6561	0.5503	0.1217	0.6721	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504
2024	0.3397	0.9836	14.0245	0.0208	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,992.7491	1,992.7491	0.5707	0.0000	2,007.0168
Maximum	1.2573	10.0913	44.9082	0.0917	2.5332	0.1228	2.6561	0.5503	0.1217	0.6721	0.0000	9,079.4399	9,079.4399	1.8564	0.0000	9,125.8504

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	72.53	80.04	-9.46	0.00	38.89	93.79	58.33	30.35	93.40	76.05	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978		4,360.7746	4,360.7746	0.1614		4,364.8089
Total	2.2328	2.7692	10.1798	0.0451	4.3789	0.0576	4.4365	1.1709	0.0555	1.2264		4,811.3642	4,811.3642	0.1701	8.2600e-003	4,818.0784

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978		4,360.7746	4,360.7746	0.1614		4,364.8089
Total	2.2328	2.7692	10.1798	0.0451	4.3789	0.0576	4.4365	1.1709	0.0555	1.2264		4,811.3642	4,811.3642	0.1701	8.2600e-003	4,818.0784

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	
3	Construction Modify Entrance Next to Phase 8&9 - 8	Paving	6/7/2024	11/12/2024	5	113	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.54

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	3	8.00	158	0.38
Demolition - 7	Rubber Tired Dozers	2	8.00	247	0.40
Construction of T Hangers - 7	Cranes	1	7.00	231	0.29
Construction of T Hangers - 7	Forklifts	3	8.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of T Hangers - 7	Welders	1	8.00	46	0.45
Construction Modify Entrance Next to Phase 8&9 - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Construction Modify Entrance Next to Phase 8&9 - 8	Excavators	0		158	0.38

Construction Modify Entrance Next to Phase 88.0 - 8	Graders	0			187	0.41
Construction Modify Entrance Next to Phase 88.0 - 8	Pavers	1	8.00		130	0.42
Construction Modify Entrance Next to Phase 88.0 - 8	Paving Equipment	2	6.00		132	0.36
Construction Modify Entrance Next to Phase 88.0 - 8	Rollers	2	6.00		80	0.38
Construction Modify Entrance Next to Phase 88.0 - 8	Rubber Tired Dozers	0			247	0.40
Construction Modify Entrance Next to Phase 88.0 - 8	Tractors/Loaders/Backhoes	1	8.00		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	6	15.00	0.00	837.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	9	74.00	29.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Modify Entrance Next to	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8766	0.0000	2.8766	0.4355	0.0000	0.4355			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	2.8766	1.2427	4.1192	0.4355	1.1553	1.5908		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0908	3.1034	0.9327	9.8700e-003	0.2313	9.1700e-003	0.2405	0.0633	8.7700e-003	0.0721		1,104.7335	1,104.7335	0.1146		1,107.5989
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.1420	3.1331	1.3580	0.0114	0.3990	0.0102	0.4092	0.1078	9.7500e-003	0.1175		1,256.7136	1,256.7136	0.1177		1,259.6558

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1219	0.0000	1.1219	0.1699	0.0000	0.1699			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	0.4623	2.0032	23.2798	0.0388	1.1219	0.0616	1.1835	0.1699	0.0616	0.2315	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0908	3.1034	0.9327	9.8700e-003	0.2313	9.1700e-003	0.2405	0.0633	8.7700e-003	0.0721	1,104.7335	1,104.7335	0.1146		1,107.5989
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455	151.9802	151.9802	3.0700e-003		152.0569
Total	0.1420	3.1331	1.3580	0.0114	0.3990	0.0102	0.4092	0.1078	9.7500e-003	0.1175	1,256.7136	1,256.7136	0.1177		1,259.6558

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120			2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120			2,569.6322

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0728	2.5739	0.7125	7.0700e-003	0.1853	4.9200e-003	0.1902	0.0533	4.7000e-003	0.0580	771.8426	771.8426	0.0592			773.3228
Worker	0.2524	0.1464	2.0977	7.5200e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242	749.7689	749.7689	0.0151			750.1475

Total	0.3252	2.7203	2.8102	0.0146	1.0124	0.0102	1.0226	0.2727	9.5300e-003	0.2822		1,521.6115	1,521.6115	0.0744		1,523.4703
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0728	2.5739	0.7125	7.0700e-003	0.1853	4.9200e-003	0.1902	0.0533	4.7000e-003	0.0580		771.8426	771.8426	0.0592		773.3228
Worker	0.2524	0.1464	2.0977	7.5200e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242		749.7689	749.7689	0.0151		750.1475
Total	0.3252	2.7203	2.8102	0.0146	1.0124	0.0102	1.0226	0.2727	9.5300e-003	0.2822		1,521.6115	1,521.6115	0.0744		1,523.4703

3.4 Construction Modify Entrance Next to Phase 8&9 - 8 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9403	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2783	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978		4,360.7746	4,360.7746	0.1614		4,364.8089

Unmitigated	0.6482	2.3936	9.8464	0.0428	4.3789	0.0290	4.4080	1.1709	0.0269	1.1978		4,360.774	4,360.7746	0.1614		4,364.808
												6				9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	466.15	88.28	45.48	1,559,088	1,559,088
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	466.15	88.28	45.48	1,559,088	1,559,088

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	NaturalGas Mitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003
NaturalGas Unmitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3829.68	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.82968	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Unmitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7-8 PA Mitigated - Orange County, Winter

**JWA Phase 7-8 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	66.88	1000sqft	1.54	66,882.00	0
Other Asphalt Surfaces	110.48	1000sqft	2.54	110,478.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	91.00
tblConstructionPhase	NumDays	20.00	63.00

tblConstructionPhase	NumDays	18.00	113.00
tblLandUse	LandUseSquareFeet	66,880.00	66,882.00
tblLandUse	LandUseSquareFeet	110,480.00	110,478.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.8595	47.2317	41.0391	0.0909	4.2879	2.0724	6.3604	0.8160	1.9361	2.7521	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168
2024	1.0104	8.3090	12.6733	0.0207	0.2236	0.4000	0.6236	0.0593	0.3697	0.4290	0.0000	1,982.7457	1,982.7457	0.5705	0.0000	1,997.0086
Maximum	4.8595	47.2317	41.0391	0.0909	4.2879	2.0724	6.3604	0.8160	1.9361	2.7521	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.3042	10.1346	44.8217	0.0909	2.5332	0.1232	2.6564	0.5503	0.1221	0.6724	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168
2024	0.3485	0.9869	13.9846	0.0207	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,982.7457	1,982.7457	0.5705	0.0000	1,997.0086
Maximum	1.3042	10.1346	44.8217	0.0909	2.5332	0.1232	2.6564	0.5503	0.1221	0.6724	0.0000	8,995.3015	8,995.3015	1.8606	0.0000	9,041.8168

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	71.85	79.98	-9.48	0.00	38.89	93.78	58.32	30.35	93.38	76.04	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979		4,173.7506	4,173.7506	0.1604		4,177.7599
Total	2.2206	2.8435	9.6384	0.0432	4.3789	0.0577	4.4366	1.1709	0.0556	1.2265		4,624.3402	4,624.3402	0.1691	8.2600e-003	4,631.0294

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Energy	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Mobile	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979		4,173.7506	4,173.7506	0.1604		4,177.7599
Total	2.2206	2.8435	9.6384	0.0432	4.3789	0.0577	4.4366	1.1709	0.0556	1.2265		4,624.3402	4,624.3402	0.1691	8.2600e-003	4,631.0294

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	
3	Construction Modify Entrance Next to Phase 8&9 - 8	Paving	6/7/2024	11/12/2024	5	113	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.54

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	3	8.00	158	0.38
Demolition - 7	Rubber Tired Dozers	2	8.00	247	0.40
Construction of T Hangers - 7	Cranes	1	7.00	231	0.29
Construction of T Hangers - 7	Forklifts	3	8.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of T Hangers - 7	Welders	1	8.00	46	0.45
Construction Modify Entrance Next to Phase 8&9 - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Construction Modify Entrance Next to Phase 8&9 - 8	Excavators	0		158	0.38

Construction Modify Entrance Next to Phase 88.0 - 8	Graders	0			187	0.41
Construction Modify Entrance Next to Phase 88.0 - 8	Pavers	1	8.00		130	0.42
Construction Modify Entrance Next to Phase 88.0 - 8	Paving Equipment	2	6.00		132	0.36
Construction Modify Entrance Next to Phase 88.0 - 8	Rollers	2	6.00		80	0.38
Construction Modify Entrance Next to Phase 88.0 - 8	Rubber Tired Dozers	0			247	0.40
Construction Modify Entrance Next to Phase 88.0 - 8	Tractors/Loaders/Backhoes	1	8.00		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	6	15.00	0.00	837.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	9	74.00	29.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Modify Entrance Next to	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8766	0.0000	2.8766	0.4355	0.0000	0.4355			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	2.8766	1.2427	4.1192	0.4355	1.1553	1.5908		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0931	3.1371	0.9766	9.7200e-003	0.2313	9.3400e-003	0.2406	0.0633	8.9400e-003	0.0723		1,087.8867	1,087.8867	0.1170		1,090.8123
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.1511	3.1697	1.3684	0.0112	0.3990	0.0104	0.4094	0.1078	9.9200e-003	0.1177		1,231.7335	1,231.7335	0.1199		1,234.7317

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1219	0.0000	1.1219	0.1699	0.0000	0.1699			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	0.4623	2.0032	23.2798	0.0388	1.1219	0.0616	1.1835	0.1699	0.0616	0.2315	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0931	3.1371	0.9766	9.7200e-003	0.2313	9.3400e-003	0.2406	0.0633	8.9400e-003	0.0723	1,087.8867	1,087.8867	0.1170		1,090.8123
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455	143.8468	143.8468	2.9000e-003		143.9194
Total	0.1511	3.1697	1.3684	0.0112	0.3990	0.0104	0.4094	0.1078	9.9200e-003	0.1177	1,231.7335	1,231.7335	0.1199		1,234.7317

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120			2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	2,554.3336	2,554.3336	0.6120			2,569.6322

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0764	2.5661	0.7805	6.9000e-003	0.1853	5.1100e-003	0.1904	0.0533	4.8800e-003	0.0582	752.8089	752.8089	0.0620			754.3586
Worker	0.2865	0.1609	1.9327	7.1100e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242	709.6443	709.6443	0.0143			710.0023

Total	0.3629	2.7269	2.7132	0.0140	1.0124	0.0104	1.0228	0.2727	9.7100e-003	0.2824		1,462.4532	1,462.4532	0.0763		1,464.3609
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0764	2.5661	0.7805	6.9000e-003	0.1853	5.1100e-003	0.1904	0.0533	4.8800e-003	0.0582		752.8089	752.8089	0.0620		754.3586
Worker	0.2865	0.1609	1.9327	7.1100e-003	0.8272	5.2500e-003	0.8324	0.2194	4.8300e-003	0.2242		709.6443	709.6443	0.0143		710.0023
Total	0.3629	2.7269	2.7132	0.0140	1.0124	0.0104	1.0228	0.2727	9.7100e-003	0.2824		1,462.4532	1,462.4532	0.0763		1,464.3609

3.4 Construction Modify Entrance Next to Phase 8&9 - 8 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9403	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2783	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979		4,173.7506	4,173.7506	0.1604		4,177.7599

Unmitigated	0.6360	2.4679	9.3050	0.0410	4.3789	0.0291	4.4080	1.1709	0.0270	1.1979		4,173.7506	4,173.7506	0.1604		4,177.7599
												6				9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	466.15	88.28	45.48	1,559,088	1,559,088
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	466.15	88.28	45.48	1,559,088	1,559,088

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	NaturalGas Mitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003
NaturalGas Unmitigated	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3829.68	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.82968	0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0413	0.3755	0.3154	2.2500e-003		0.0285	0.0285		0.0285	0.0285		450.5508	450.5508	8.6400e-003	8.2600e-003	453.2282

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Unmitigated	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3634					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413
Total	1.5433	1.6000e-004	0.0181	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0388	0.0388	1.0000e-004		0.0413

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 9A-9B PA Mitigated - Orange County, Summer

**JWA Phase 9A-9B PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	24.36	1000sqft	0.56	24,363.00	0
Other Non-Asphalt Surfaces	16.96	1000sqft	0.39	16,965.00	0
Other Non-Asphalt Surfaces	24.36	1000sqft	0.56	24,361.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	78.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	4.00	36.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	28.00
tblGrading	AcresOfGrading	13.50	1.18
tblLandUse	LandUseSquareFeet	24,360.00	24,363.00
tblLandUse	LandUseSquareFeet	16,960.00	16,965.00
tblLandUse	LandUseSquareFeet	24,360.00	24,361.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.2241	31.5223	29.0365	0.0586	6.0689	1.4090	7.4778	2.7698	1.3074	4.0772	0.0000	5,707.4091	5,707.4091	1.4889	0.0000	5,744.6319
Maximum	3.2241	31.5223	29.0365	0.0586	6.0689	1.4090	7.4778	2.7698	1.3074	4.0772	0.0000	5,707.4091	5,707.4091	1.4889	0.0000	5,744.6319

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.7868	6.1770	32.9501	0.0586	2.6505	0.0856	2.7360	1.1559	0.0853	1.2412	0.0000	5,707.4091	5,707.4091	1.4889	0.0000	5,744.6319
Maximum	0.7868	6.1770	32.9501	0.0586	2.6505	0.0856	2.7360	1.1559	0.0853	1.2412	0.0000	5,707.4091	5,707.4091	1.4889	0.0000	5,744.6319

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.60	80.40	-13.48	0.00	56.33	93.93	63.41	58.27	93.47	69.56	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.3953	0.5185	1.9052	7.8700e-003	0.7538	7.1300e-003	0.7609	0.2016	6.7500e-003	0.2083		814.8067	814.8067	0.0307	5.4000e-004	815.7340

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.3953	0.5185	1.9052	7.8700e-003	0.7538	7.1300e-003	0.7609	0.2016	6.7500e-003	0.2083		814.8067	814.8067	0.0307	5.4000e-004	815.7340

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 9A	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 9A	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 9A	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9B	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9B	Building Construction	6/1/2023	9/18/2023	5	78	
6	Construction of Park Spaces / Lighting - 9B	Paving	9/18/2023	11/14/2023	5	42	
7	Misc Concrete - 9B	Paving	11/14/2023	12/21/2023	5	28	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.51

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 9A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction Trench Drains and Site Utilities - 9A	Graders	1	6.00	187	0.41
Construction Trench Drains and Site Utilities - 9A	Rubber Tired Dozers	1	6.00	247	0.40
Construction Trench Drains and Site Utilities - 9A	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Concrete - 9A	Cement and Mortar Mixers	1	6.00	9	0.56
Concrete - 9A	Graders	0		187	0.41
Concrete - 9A	Pavers	1	6.00	130	0.42
Concrete - 9A	Paving Equipment	1	8.00	132	0.36
Concrete - 9A	Rollers	1	7.00	80	0.38
Concrete - 9A	Rubber Tired Dozers	0		247	0.40
Concrete - 9A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9B	Cranes	0		231	0.29
Demolition - 9B	Forklifts	0		89	0.20
Demolition - 9B	Generator Sets	0		84	0.74
Demolition - 9B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 9B	Welders	0		46	0.45
Construction of Flight School Office - 9B	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9B	Cranes	1	6.00	231	0.29
Construction of Flight School Office - 9B	Forklifts	1	6.00	89	0.20
Construction of Flight School Office - 9B	Generator Sets	1	8.00	84	0.74

Construction of Flight School Office - 9B	Pavers	0				130		0.42
Construction of Flight School Office - 9B	Paving Equipment	0				132		0.36
Construction of Flight School Office - 9B	Rollers	0				80		0.38
Construction of Flight School Office - 9B	Tractors/Loaders/Backhoes	1	6.00			97		0.37
Construction of Flight School Office - 9B	Welders	3	8.00			46		0.45
Construction of Park Spaces / Lighting - 9B	Air Compressors	0				78		0.48
Construction of Park Spaces / Lighting - 9B	Cement and Mortar Mixers	1	6.00			9		0.56
Construction of Park Spaces / Lighting - 9B	Pavers	1	6.00			130		0.42
Construction of Park Spaces / Lighting - 9B	Paving Equipment	1	8.00			132		0.36
Construction of Park Spaces / Lighting - 9B	Rollers	1	7.00			80		0.38
Construction of Park Spaces / Lighting - 9B	Tractors/Loaders/Backhoes	1	8.00			97		0.37
Misc Concrete - 9B	Cement and Mortar Mixers	1	6.00			9		0.56
Misc Concrete - 9B	Pavers	1	6.00			130		0.42
Misc Concrete - 9B	Paving Equipment	1	8.00			132		0.36
Misc Concrete - 9B	Rollers	1	7.00			80		0.38
Misc Concrete - 9B	Tractors/Loaders/Backhoes	1	8.00			97		0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 9A	5	13.00	0.00	156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 9A	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9B	5	13.00	0.00	78.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Flight School Office - 9B	7	31.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0526	0.0000	1.0526	0.1594	0.0000	0.1594			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.0526	0.6766	1.7293	0.1594	0.6328	0.7921		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0229	0.7283	0.3260	3.4600e-003	0.0849	1.4200e-003	0.0863	0.0232	1.3600e-003	0.0246		389.3090	389.3090	0.0406		390.3228
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0649	0.7516	0.6696	4.7300e-003	0.2302	2.3300e-003	0.2325	0.0618	2.1900e-003	0.0640		515.9615	515.9615	0.0430		517.0356

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4105	0.0000	0.4105	0.0622	0.0000	0.0622			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	0.4105	0.0375	0.4480	0.0622	0.0375	0.0996	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0229	0.7283	0.3260	3.4600e-003	0.0849	1.4200e-003	0.0863	0.0232	1.3600e-003	0.0246		389.3090	389.3090	0.0406		390.3228
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0649	0.7516	0.6696	4.7300e-003	0.2302	2.3300e-003	0.2325	0.0618	2.1900e-003	0.0640		515.9615	515.9615	0.0430		517.0356

3.3 Construction Trench Drains and Site Utilities - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					4.5513	0.0000	4.5513	2.4864	0.0000	2.4864			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.9335	10.1789	5.5516	0.0141	4.5513	0.4201	4.9714	2.4864	0.3865	2.8729		1,364.7713	1,364.7713	0.4414		1,375.8062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771
Total	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7750	0.0000	1.7750	0.9697	0.0000	0.9697			0.0000			0.0000
Off-Road	0.1725	0.7475	7.1557	0.0141		0.0230	0.0230		0.0230	0.0230	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.1725	0.7475	7.1557	0.0141	1.7750	0.0230	1.7980	0.9697	0.0230	0.9927	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771
Total	0.0258	0.0144	0.2115	7.8000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		77.9400	77.9400	1.4800e-003		77.9771

3.4 Concrete - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6854	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2005	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
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3.5 Demolition - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5263	0.0000	0.5263	0.0797	0.0000	0.0797			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.5263	0.6766	1.2030	0.0797	0.6328	0.7125		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0114	0.3641	0.1630	1.7300e-003	0.0424	7.1000e-004	0.0432	0.0116	6.8000e-004	0.0123		194.6545	194.6545	0.0203		195.1614
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0534	0.3875	0.5067	3.0000e-003	0.1877	1.6200e-003	0.1894	0.0502	1.5100e-003	0.0517		321.3069	321.3069	0.0227		321.8742

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2053	0.0000	0.2053	0.0311	0.0000	0.0311			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	0.2053	0.0375	0.2428	0.0311	0.0375	0.0686	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0114	0.3641	0.1630	1.7300e-003	0.0424	7.1000e-004	0.0432	0.0116	6.8000e-004	0.0123		194.6545	194.6545	0.0203		195.1614
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0534	0.3875	0.5067	3.0000e-003	0.1877	1.6200e-003	0.1894	0.0502	1.5100e-003	0.0517		321.3069	321.3069	0.0227		321.8742

3.6 Construction of Flight School Office - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.8039	0.2752	2.8300e-003	0.0767	9.7000e-004	0.0776	0.0221	9.2000e-004	0.0230		309.6799	309.6799	0.0228		310.2493
Worker	0.1001	0.0557	0.8195	3.0300e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		302.0173	302.0173	5.7500e-003		302.1612
Total	0.1231	0.8596	1.0947	5.8600e-003	0.4232	3.1300e-003	0.4263	0.1140	2.9100e-003	0.1169		611.6972	611.6972	0.0285		612.4105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.8039	0.2752	2.8300e-003	0.0767	9.7000e-004	0.0776	0.0221	9.2000e-004	0.0230		309.6799	309.6799	0.0228		310.2493
Worker	0.1001	0.0557	0.8195	3.0300e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		302.0173	302.0173	5.7500e-003		302.1612
Total	0.1231	0.8596	1.0947	5.8600e-003	0.4232	3.1300e-003	0.4263	0.1140	2.9100e-003	0.1169		611.6972	611.6972	0.0285		612.4105

3.7 Construction of Park Spaces / Lighting - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6795	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1947	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
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3.8 Misc Concrete - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6970	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2122	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Unmitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Unmitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 9A-9B PA Mitigated - Orange County, Winter

**JWA Phase 9A-9B PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	24.36	1000sqft	0.56	24,363.00	0
Other Non-Asphalt Surfaces	16.96	1000sqft	0.39	16,965.00	0
Other Non-Asphalt Surfaces	24.36	1000sqft	0.56	24,361.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	78.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	4.00	36.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	28.00
tblGrading	AcresOfGrading	13.50	1.18
tblLandUse	LandUseSquareFeet	24,360.00	24,363.00
tblLandUse	LandUseSquareFeet	16,960.00	16,965.00
tblLandUse	LandUseSquareFeet	24,360.00	24,361.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.2398	31.5320	28.9756	0.0583	6.0689	1.4090	7.4779	2.7698	1.3075	4.0773	0.0000	5,683.8109	5,683.8109	1.4893	0.0000	5,721.0428
Maximum	3.2398	31.5320	28.9756	0.0583	6.0689	1.4090	7.4779	2.7698	1.3075	4.0773	0.0000	5,683.8109	5,683.8109	1.4893	0.0000	5,721.0428

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.8025	6.1820	32.8892	0.0583	2.6505	0.0856	2.7361	1.1559	0.0854	1.2413	0.0000	5,683.8109	5,683.8109	1.4893	0.0000	5,721.0428
Maximum	0.8025	6.1820	32.8892	0.0583	2.6505	0.0856	2.7361	1.1559	0.0854	1.2413	0.0000	5,683.8109	5,683.8109	1.4893	0.0000	5,721.0428

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.23	80.39	-13.51	0.00	56.33	93.92	63.41	58.27	93.47	69.56	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.3926	0.5317	1.8194	7.5300e-003	0.7538	7.1500e-003	0.7609	0.2016	6.7700e-003	0.2083		780.5699	780.5699	0.0306	5.4000e-004	781.4951

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.3926	0.5317	1.8194	7.5300e-003	0.7538	7.1500e-003	0.7609	0.2016	6.7700e-003	0.2083		780.5699	780.5699	0.0306	5.4000e-004	781.4951

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 9A	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 9A	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 9A	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9B	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9B	Building Construction	6/1/2023	9/18/2023	5	78	
6	Construction of Park Spaces / Lighting - 9B	Paving	9/18/2023	11/14/2023	5	42	
7	Misc Concrete - 9B	Paving	11/14/2023	12/21/2023	5	28	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.51

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 9A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction Trench Drains and Site Utilities - 9A	Graders	1	6.00	187	0.41
Construction Trench Drains and Site Utilities - 9A	Rubber Tired Dozers	1	6.00	247	0.40
Construction Trench Drains and Site Utilities - 9A	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Concrete - 9A	Cement and Mortar Mixers	1	6.00	9	0.56
Concrete - 9A	Graders	0		187	0.41
Concrete - 9A	Pavers	1	6.00	130	0.42
Concrete - 9A	Paving Equipment	1	8.00	132	0.36
Concrete - 9A	Rollers	1	7.00	80	0.38
Concrete - 9A	Rubber Tired Dozers	0		247	0.40
Concrete - 9A	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9B	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9B	Cranes	0		231	0.29
Demolition - 9B	Forklifts	0		89	0.20
Demolition - 9B	Generator Sets	0		84	0.74
Demolition - 9B	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 9B	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 9B	Welders	0		46	0.45
Construction of Flight School Office - 9B	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9B	Cranes	1	6.00	231	0.29
Construction of Flight School Office - 9B	Forklifts	1	6.00	89	0.20
Construction of Flight School Office - 9B	Generator Sets	1	8.00	84	0.74

Construction of Flight School Office - 9B	Pavers	0				130		0.42
Construction of Flight School Office - 9B	Paving Equipment	0				132		0.36
Construction of Flight School Office - 9B	Rollers	0				80		0.38
Construction of Flight School Office - 9B	Tractors/Loaders/Backhoes	1	6.00			97		0.37
Construction of Flight School Office - 9B	Welders	3	8.00			46		0.45
Construction of Park Spaces / Lighting - 9B	Air Compressors	0				78		0.48
Construction of Park Spaces / Lighting - 9B	Cement and Mortar Mixers	1	6.00			9		0.56
Construction of Park Spaces / Lighting - 9B	Pavers	1	6.00			130		0.42
Construction of Park Spaces / Lighting - 9B	Paving Equipment	1	8.00			132		0.36
Construction of Park Spaces / Lighting - 9B	Rollers	1	7.00			80		0.38
Construction of Park Spaces / Lighting - 9B	Tractors/Loaders/Backhoes	1	8.00			97		0.37
Misc Concrete - 9B	Cement and Mortar Mixers	1	6.00			9		0.56
Misc Concrete - 9B	Pavers	1	6.00			130		0.42
Misc Concrete - 9B	Paving Equipment	1	8.00			132		0.36
Misc Concrete - 9B	Rollers	1	7.00			80		0.38
Misc Concrete - 9B	Tractors/Loaders/Backhoes	1	8.00			97		0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 9A	5	13.00	0.00	156.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 9A	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9B	5	13.00	0.00	78.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Flight School Office - 9B	7	31.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0526	0.0000	1.0526	0.1594	0.0000	0.1594			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	1.0526	0.6766	1.7293	0.1594	0.6328	0.7921		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0234	0.7320	0.3371	3.4100e-003	0.0849	1.4700e-003	0.0863	0.0232	1.4100e-003	0.0246		383.4218	383.4218	0.0413		384.4535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0712	0.7576	0.6532	4.6100e-003	0.2302	2.3800e-003	0.2326	0.0618	2.2400e-003	0.0640		503.3024	503.3024	0.0436		504.3911

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4105	0.0000	0.4105	0.0622	0.0000	0.0622			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	0.4105	0.0375	0.4480	0.0622	0.0375	0.0996	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0234	0.7320	0.3371	3.4100e-003	0.0849	1.4700e-003	0.0863	0.0232	1.4100e-003	0.0246		383.4218	383.4218	0.0413		384.4535
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0712	0.7576	0.6532	4.6100e-003	0.2302	2.3800e-003	0.2326	0.0618	2.2400e-003	0.0640		503.3024	503.3024	0.0436		504.3911

3.3 Construction Trench Drains and Site Utilities - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					4.5513	0.0000	4.5513	2.4864	0.0000	2.4864			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.9335	10.1789	5.5516	0.0141	4.5513	0.4201	4.9714	2.4864	0.3865	2.8729		1,364.7713	1,364.7713	0.4414		1,375.8062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077
Total	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7750	0.0000	1.7750	0.9697	0.0000	0.9697			0.0000			0.0000
Off-Road	0.1725	0.7475	7.1557	0.0141		0.0230	0.0230		0.0230	0.0230	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062
Total	0.1725	0.7475	7.1557	0.0141	1.7750	0.0230	1.7980	0.9697	0.0230	0.9927	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077
Total	0.0294	0.0158	0.1946	7.4000e-004	0.0894	5.6000e-004	0.0900	0.0237	5.1000e-004	0.0242		73.7727	73.7727	1.4000e-003		73.8077

3.4 Concrete - 9A - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6854	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2005	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
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3.5 Demolition - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5263	0.0000	0.5263	0.0797	0.0000	0.0797			0.0000				0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893			2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	0.5263	0.6766	1.2030	0.0797	0.6328	0.7125		2,324.3959	2,324.3959	0.5893			2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0117	0.3660	0.1685	1.7100e-003	0.0424	7.4000e-004	0.0432	0.0116	7.0000e-004	0.0123		191.7109	191.7109	0.0206		192.2267
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0595	0.3916	0.4847	2.9100e-003	0.1877	1.6500e-003	0.1894	0.0502	1.5300e-003	0.0517		311.5915	311.5915	0.0229		312.1643

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2053	0.0000	0.2053	0.0311	0.0000	0.0311			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	0.2053	0.0375	0.2428	0.0311	0.0375	0.0686	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0117	0.3660	0.1685	1.7100e-003	0.0424	7.4000e-004	0.0432	0.0116	7.0000e-004	0.0123		191.7109	191.7109	0.0206		192.2267
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0595	0.3916	0.4847	2.9100e-003	0.1877	1.6500e-003	0.1894	0.0502	1.5300e-003	0.0517		311.5915	311.5915	0.0229		312.1643

3.6 Construction of Flight School Office - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0241	0.7993	0.2968	2.7600e-003	0.0767	1.0300e-003	0.0777	0.0221	9.8000e-004	0.0230		302.1711	302.1711	0.0237		302.7640
Worker	0.1140	0.0612	0.7539	2.8700e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		285.8691	285.8691	5.4400e-003		286.0050
Total	0.1381	0.8604	1.0507	5.6300e-003	0.4232	3.1900e-003	0.4264	0.1140	2.9700e-003	0.1169		588.0402	588.0402	0.0292		588.7690

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0241	0.7993	0.2968	2.7600e-003	0.0767	1.0300e-003	0.0777	0.0221	9.8000e-004	0.0230		302.1711	302.1711	0.0237		302.7640
Worker	0.1140	0.0612	0.7539	2.8700e-003	0.3465	2.1600e-003	0.3487	0.0919	1.9900e-003	0.0939		285.8691	285.8691	5.4400e-003		286.0050
Total	0.1381	0.8604	1.0507	5.6300e-003	0.4232	3.1900e-003	0.4264	0.1140	2.9700e-003	0.1169		588.0402	588.0402	0.0292		588.7690

3.7 Construction of Park Spaces / Lighting - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6795	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1947	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
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3.8 Misc Concrete - 9B - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6970	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2122	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Unmitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Unmitigated	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1000e-004	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176
Total	0.2524	7.0000e-005	7.7100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0166	0.0166	4.0000e-005		0.0176

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 PA Mitigated - Orange County, Summer

**JWA Phase 10 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	48.32	1000sqft	1.11	48,319.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

Grading - * Defined in project schedule in RON estimate

Construction Off-road Equipment Mitigation - *

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	76.00

tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblGrading	AcresOfGrading	3.00	4.74
tblLandUse	LandUseSquareFeet	48,320.00	48,319.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5981	17.0081	14.9948	0.0381	5.1934	0.6828	5.8761	0.9233	0.6386	1.5619	0.0000	3,876.3972	3,876.3972	0.7402	0.0000	3,894.9012
2024	5.5811	52.7688	51.9128	0.1136	6.1214	2.1501	8.2715	1.3580	2.0086	3.3665	0.0000	11,122.7025	11,122.7025	2.4052	0.0000	11,182.8330
Maximum	5.5811	52.7688	51.9128	0.1136	6.1214	2.1501	8.2715	1.3580	2.0086	3.3665	0.0000	11,122.7025	11,122.7025	2.4052	0.0000	11,182.8330

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.4067	3.9076	16.2555	0.0381	2.8382	0.0436	2.8819	0.5667	0.0433	0.6100	0.0000	3,876.3972	3,876.3972	0.7402	0.0000	3,894.9012
2024	1.4734	11.2306	57.4527	0.1136	3.3180	0.1473	3.4653	0.7791	0.1465	0.9256	0.0000	11,122.7024	11,122.7024	2.4052	0.0000	11,182.8330

Maximum	1.4734	11.2306	57.4527	0.1136	3.3180	0.1473	3.4653	0.7791	0.1465	0.9256	0.0000	11,122.70 24	11,122.702 4	2.4052	0.0000	11,182.83 30
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	73.81	78.30	-10.16	0.00	45.59	93.26	55.14	41.01	92.83	68.84	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222
Total	1.6121	2.0007	7.3545	0.0326	3.1637	0.0417	3.2054	0.8460	0.0401	0.8861		3,476.1361	3,476.1361	0.1229	5.9700e-003	3,480.9869

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222

Total	1.6121	2.0007	7.3545	0.0326	3.1637	0.0417	3.2054	0.8460	0.0401	0.8861		3,476.1361	3,476.1361	0.1229	5.9700e-003	3,480.9869
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator-Drum Storage Area - 10	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator-Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator-Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator-Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20

Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	589.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8609	0.6766	4.5375	0.5846	0.6328	1.2173		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0836	2.6663	1.1934	0.0127	1.1872	5.2100e-003	1.1924	0.3002	4.9900e-003	0.3052		1,425.3489	1,425.3489	0.1485		1,429.0607
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1256	2.6897	1.5371	0.0140	1.3325	6.1200e-003	1.3386	0.3387	5.8200e-003	0.3446		1,552.0014	1,552.0014	0.1509		1,555.7734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	1.5057	0.0375	1.5432	0.2280	0.0375	0.2655	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0836	2.6663	1.1934	0.0127	1.1872	5.2100e-003	1.1924	0.3002	4.9900e-003	0.3052		1,425.3489	1,425.3489	0.1485		1,429.0607
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1256	2.6897	1.5371	0.0140	1.3325	6.1200e-003	1.3386	0.3387	5.8200e-003	0.3446		1,552.0014	1,552.0014	0.1509		1,555.7734

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8609	0.6311	4.4920	0.5846	0.5895	1.1740		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0822	2.5998	1.2071	0.0125	0.3743	5.1100e-003	0.3794	0.1007	4.8900e-003	0.1055		1,413.2499	1,413.2499	0.1483		1,416.9582
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1221	2.6211	1.5270	0.0138	0.5196	6.0000e-003	0.5256	0.1392	5.7100e-003	0.1449		1,534.8835	1,534.8835	0.1505		1,538.6466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	1.5057	0.0375	1.5432	0.2280	0.0375	0.2655	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0822	2.5998	1.2071	0.0125	0.3743	5.1100e-003	0.3794	0.1007	4.8900e-003	0.1055	1,413.2499	1,413.2499	0.1483		1,416.9582
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394	121.6336	121.6336	2.1900e-003		121.6884
Total	0.1221	2.6211	1.5270	0.0138	0.5196	6.0000e-003	0.5256	0.1392	5.7100e-003	0.1449	1,534.8835	1,534.8835	0.1505		1,538.6466

3.3 Construction of Waste Oil Separator-Drum Storage Area - Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					0.7350	0.0000	0.7350	0.3644	0.0000	0.3644			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	0.7350	0.5722	1.3072	0.3644	0.5265	0.8908		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2867	0.0000	0.2867	0.1421	0.0000	0.1421			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	0.2522	1.0927	10.9071	0.0206	0.2867	0.0336	0.3203	0.1421	0.0336	0.1757	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1627	0.0867	1.3043	4.9700e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		495.8908	495.8908	8.9300e-003		496.1141
Total	0.2015	1.4759	1.7758	9.8800e-003	0.7266	5.2900e-003	0.7319	0.1957	4.9200e-003	0.2006		1,033.5256	1,033.5256	0.0482		1,034.7304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1627	0.0867	1.3043	4.9700e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		495.8908	495.8908	8.9300e-003		496.1141
Total	0.2015	1.4759	1.7758	9.8800e-003	0.7266	5.2900e-003	0.7319	0.1957	4.9200e-003	0.2006		1,033.5256	1,033.5256	0.0482		1,034.7304

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222
Unmitigated	0.4683	1.7293	7.1139	0.0309	3.1637	0.0210	3.1847	0.8460	0.0195	0.8654		3,150.6075	3,150.6075	0.1166		3,153.5222

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	336.79	63.78	32.86	1,126,422	1,126,422
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	336.79	63.78	32.86	1,126,422	1,126,422

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
NaturalGas Unmitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2766.76	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.76676	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Unmitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 PA Mitigated - Orange County, Winter

**JWA Phase 10 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	48.32	1000sqft	1.11	48,319.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

Grading - * Defined in project schedule in RON estimate

Construction Off-road Equipment Mitigation - *

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	76.00

tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblGrading	AcresOfGrading	3.00	4.74
tblLandUse	LandUseSquareFeet	48,320.00	48,319.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6060	17.0239	15.0079	0.0378	5.1934	0.6829	5.8763	0.9233	0.6388	1.5621	0.0000	3,848.0711	3,848.0711	0.7426	0.0000	3,866.6371
2024	5.6248	52.7887	51.8078	0.1129	6.1214	2.1504	8.2718	1.3580	2.0088	3.3668	0.0000	11,042.9637	11,042.9637	2.4084	0.0000	11,103.1729
Maximum	5.6248	52.7887	51.8078	0.1129	6.1214	2.1504	8.2718	1.3580	2.0088	3.3668	0.0000	11,042.9637	11,042.9637	2.4084	0.0000	11,103.1729

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.4146	3.9234	16.2687	0.0378	2.8382	0.0438	2.8820	0.5667	0.0435	0.6102	0.0000	3,848.0711	3,848.0711	0.7426	0.0000	3,866.6371
2024	1.5171	11.2504	57.3477	0.1129	3.3180	0.1476	3.4655	0.7791	0.1468	0.9259	0.0000	11,042.9637	11,042.9637	2.4084	0.0000	11,103.1728

Maximum	1.5171	11.2504	57.3477	0.1129	3.3180	0.1476	3.4655	0.7791	0.1468	0.9259	0.0000	11,042.96 37	11,042.963 7	2.4084	0.0000	11,103.17 28
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	73.29	78.26	-10.18	0.00	45.59	93.25	55.13	41.01	92.81	68.84	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815
Total	1.6033	2.0544	6.9634	0.0312	3.1637	0.0417	3.2054	0.8460	0.0402	0.8861		3,341.0135	3,341.0135	0.1222	5.9700e-003	3,345.8462

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Energy	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Mobile	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815

Total	1.6033	2.0544	6.9634	0.0312	3.1637	0.0417	3.2054	0.8460	0.0402	0.8861		3,341.0135	3,341.0135	0.1222	5.9700e-003	3,345.8462
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator-Drum Storage Area - 10	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator-Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator-Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator-Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20

Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	589.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8609	0.6766	4.5375	0.5846	0.6328	1.2173		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0857	2.6798	1.2341	0.0125	1.1872	5.3900e-003	1.1926	0.3002	5.1600e-003	0.3054		1,403.7946	1,403.7946	0.1511		1,407.5717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.1335	2.7055	1.5503	0.0137	1.3325	6.3000e-003	1.3388	0.3387	5.9900e-003	0.3447		1,523.6752	1,523.6752	0.1534		1,527.5093

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	1.5057	0.0375	1.5432	0.2280	0.0375	0.2655	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0857	2.6798	1.2341	0.0125	1.1872	5.3900e-003	1.1926	0.3002	5.1600e-003	0.3054		1,403.7946	1,403.7946	0.1511		1,407.5717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.1335	2.7055	1.5503	0.0137	1.3325	6.3000e-003	1.3388	0.3387	5.9900e-003	0.3447		1,523.6752	1,523.6752	0.1534		1,527.5093

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8609	0.0000	3.8609	0.5846	0.0000	0.5846			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8609	0.6311	4.4920	0.5846	0.5895	1.1740		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0842	2.6129	1.2468	0.0124	0.3743	5.2700e-003	0.3795	0.1007	5.0400e-003	0.1057		1,391.9975	1,391.9975	0.1508		1,395.7672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1298	2.6362	1.5408	0.0135	0.5196	6.1600e-003	0.5257	0.1392	5.8600e-003	0.1451		1,507.1289	1,507.1289	0.1529		1,510.9502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5057	0.0000	1.5057	0.2280	0.0000	0.2280			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	1.5057	0.0375	1.5432	0.2280	0.0375	0.2655	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0842	2.6129	1.2468	0.0124	0.3743	5.2700e-003	0.3795	0.1007	5.0400e-003	0.1057	1,391.9975	1,391.9975	0.1508	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394	115.1314	115.1314	2.0700e-003		115.1831
Total	0.1298	2.6362	1.5408	0.0135	0.5196	6.1600e-003	0.5257	0.1392	5.8600e-003	0.1451	1,507.1289	1,507.1289	0.1529		1,510.9502

3.3 Construction of Waste Oil Separator-Drum Storage Area - Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					0.7350	0.0000	0.7350	0.3644	0.0000	0.3644			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	0.7350	0.5722	1.3072	0.3644	0.5265	0.8908		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2867	0.0000	0.2867	0.1421	0.0000	0.1421			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	0.2522	1.0927	10.9071	0.0206	0.2867	0.0336	0.3203	0.1421	0.0336	0.1757	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1859	0.0952	1.1986	4.7000e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		469.3818	469.3818	8.4300e-003		469.5926
Total	0.2266	1.4766	1.7068	9.4900e-003	0.7266	5.3800e-003	0.7320	0.1957	5.0100e-003	0.2007		994.0457	994.0457	0.0492		995.2767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.654 1	2,289.6541	0.4265		2,300.315 4
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.654 1	2,289.6541	0.4265		2,300.315 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1859	0.0952	1.1986	4.7000e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		469.3818	469.3818	8.4300e-003		469.5926
Total	0.2266	1.4766	1.7068	9.4900e-003	0.7266	5.3800e-003	0.7320	0.1957	5.0100e-003	0.2007		994.0457	994.0457	0.0492		995.2767

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.202 4	1,710.2024	0.5420		1,723.752 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.202 4	1,710.2024	0.5420		1,723.752 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003			132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003			132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420			1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420			1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454	132.8439	132.8439	2.3900e-003		132.9036	
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003	132.9036	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815
Unmitigated	0.4595	1.7830	6.7227	0.0296	3.1637	0.0210	3.1847	0.8460	0.0195	0.8655		3,015.4849	3,015.4849	0.1159		3,018.3815

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	336.79	63.78	32.86	1,126,422	1,126,422
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	336.79	63.78	32.86	1,126,422	1,126,422

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
NaturalGas Unmitigated	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2766.76	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.76676	0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0298	0.2713	0.2279	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.5011	325.5011	6.2400e-003	5.9700e-003	327.4354

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Unmitigated	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293
Total	1.1139	1.2000e-004	0.0128	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0275	0.0275	7.0000e-005		0.0293

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 PA Mitigated - Orange County, Summer

**JWA Phase 11 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.54	1000sqft	1.60	69,544.00	0
Other Non-Asphalt Surfaces	17.32	1000sqft	0.40	17,320.00	0
Parking Lot	1.92	1000sqft	0.04	1,924.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined by project schedule and RON estimate
- Construction Phase - * Defined in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	83.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	10.00	83.00
tblConstructionPhase	NumDays	10.00	27.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7610e-003	0.00
tblFleetMix	MCY	4.9610e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	8.5400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.8070e-003	0.00
tblFleetMix	SBUS	6.0600e-004	0.00
tblFleetMix	UBUS	1.4890e-003	0.00
tblLandUse	LandUseSquareFeet	69,540.00	69,544.00
tblLandUse	LandUseSquareFeet	1,920.00	1,924.00
tblTripsAndVMT	VendorTripNumber	15.00	17.00
tblTripsAndVMT	WorkerTripNumber	37.00	44.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.1412	47.8482	55.2262	0.1147	6.9628	1.9751	8.9378	1.2333	1.8488	3.0821	0.0000	11,276.5920	11,276.5920	2.3545	0.0000	11,335.4535
Maximum	5.1412	47.8482	55.2262	0.1147	6.9628	1.9751	8.9378	1.2333	1.8488	3.0821	0.0000	11,276.5920	11,276.5920	2.3545	0.0000	11,335.4535

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4508	11.8437	59.8257	0.1147	3.6421	0.1433	3.7854	0.7305	0.1424	0.8729	0.0000	11,276.5920	11,276.5920	2.3545	0.0000	11,335.4535
Maximum	1.4508	11.8437	59.8257	0.1147	3.6421	0.1433	3.7854	0.7305	0.1424	0.8729	0.0000	11,276.5920	11,276.5920	2.3545	0.0000	11,335.4535

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	71.78	75.25	-8.33	0.00	47.69	92.75	57.65	40.77	92.30	71.68	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Energy	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Mobile	0.6739	2.4887	10.2380	0.0445	4.5531	0.0302	4.5833	1.2175	0.0280	1.2455		4,534.2145	4,534.2145	0.1678		4,538.4093
Total	2.2808	2.8792	10.5750	0.0469	4.5531	0.0599	4.6130	1.2175	0.0577	1.2752		5,002.7173	5,002.7173	0.1768	8.5900e-003	5,009.6973

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Energy	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Mobile	0.6739	2.4887	10.2380	0.0445	4.5531	0.0302	4.5833	1.2175	0.0280	1.2455		4,534.2145	4,534.2145	0.1678		4,538.4093
Total	2.2808	2.8792	10.5750	0.0469	4.5531	0.0599	4.6130	1.2175	0.0577	1.2752		5,002.7173	5,002.7173	0.1768	8.5900e-003	5,009.6973

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of Box Hangars - 11	Building Construction	7/29/2024	11/20/2024	5	83	
3	Surface Repairs - 11	Paving	7/29/2024	11/20/2024	5	83	

4	Misc. Concrete - 11	Paving	7/29/2024	9/3/2024	5	27
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.44

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Box Hangars - 11	Cranes	1	8.00	231	0.29
Construction of Box Hangars - 11	Forklifts	2	7.00	89	0.20
Construction of Box Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of Box Hangars - 11	Graders	0		187	0.41
Construction of Box Hangars - 11	Scrapers	0		367	0.48
Construction of Box Hangars - 11	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of Box Hangars - 11	Welders	3	8.00	46	0.45
Surface Repairs - 11	Cement and Mortar Mixers	1	8.00	9	0.56
Surface Repairs - 11	Graders	0		187	0.41
Surface Repairs - 11	Pavers	1	8.00	130	0.42
Surface Repairs - 11	Paving Equipment	1	8.00	132	0.36
Surface Repairs - 11	Rollers	2	8.00	80	0.38
Surface Repairs - 11	Rubber Tired Dozers	0		247	0.40
Surface Repairs - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74

Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 11	Rollers	2	8.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	5	13.00	0.00	931.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hangars - 11	8	44.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Surface Repairs - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4437	0.0000	5.4437	0.8242	0.0000	0.8242			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	5.4437	0.6311	6.0748	0.8242	0.5895	1.4137		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1158	3.6651	1.7017	0.0177	0.4380	7.2100e-003	0.4452	0.1199	6.9000e-003	0.1268		1,992.3497	1,992.3497	0.2091		1,997.5775
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1557	3.6864	2.0216	0.0189	0.5833	8.1000e-003	0.5914	0.1585	7.7200e-003	0.1662		2,113.9833	2,113.9833	0.2113		2,119.2659

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1230	0.0000	2.1230	0.3215	0.0000	0.3215			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	2.1230	0.0375	2.1605	0.3215	0.0375	0.3589	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.1158	3.6651	1.7017	0.0177	0.4380	7.2100e-003	0.4452	0.1199	6.9000e-003	0.1268	1,992.3497	1,992.3497	0.2091	1,997.5775
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394	121.6336	121.6336	2.1900e-003	121.6884	
Total	0.1557	3.6864	2.0216	0.0189	0.5833	8.1000e-003	0.5914	0.1585	7.7200e-003	0.1662	2,113.9833	2,113.9833	0.2113	2,119.2659	

3.3 Construction of Box Hangars - 11 - 2024

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	2,289.6541	2,289.6541	0.4265			2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	2,289.6541	2,289.6541	0.4265			2,300.3154

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0314	1.1246	0.3817	3.9700e-003	0.1086	1.3400e-003	0.1100	0.0313	1.2800e-003	0.0325		435.2282	435.2282	0.0318		436.0227
Worker	0.1351	0.0720	1.0828	4.1300e-003	0.4918	3.0200e-003	0.4948	0.1304	2.7700e-003	0.1332		411.6829	411.6829	7.4200e-003		411.8683

Total	0.1664	1.1966	1.4645	8.1000e-003	0.6004	4.3600e-003	0.6048	0.1617	4.0500e-003	0.1658		846.9111	846.9111	0.0392		847.8910
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0314	1.1246	0.3817	3.9700e-003	0.1086	1.3400e-003	0.1100	0.0313	1.2800e-003	0.0325		435.2282	435.2282	0.0318		436.0227
Worker	0.1351	0.0720	1.0828	4.1300e-003	0.4918	3.0200e-003	0.4948	0.1304	2.7700e-003	0.1332		411.6829	411.6829	7.4200e-003		411.8683
Total	0.1664	1.1966	1.4645	8.1000e-003	0.6004	4.3600e-003	0.6048	0.1617	4.0500e-003	0.1658		846.9111	846.9111	0.0392		847.8910

3.4 Surface Repairs - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8437	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2116	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

3.5 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8464	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003			140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003			140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420			1,723.7529
Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2143	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420			1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										lb/day					
Mitigated	0.6739	2.4887	10.2380	0.0445	4.5531	0.0302	4.5833	1.2175	0.0280	1.2455		4,534.2145	4,534.2145	0.1678		4,538.4093
Unmitigated	0.6739	2.4887	10.2380	0.0445	4.5531	0.0302	4.5833	1.2175	0.0280	1.2455		4,534.2145	4,534.2145	0.1678		4,538.4093

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	484.69	91.79	47.29	1,621,097	1,621,097
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	484.69	91.79	47.29	1,621,097	1,621,097

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day										lb/day						
NaturalGas Mitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
NaturalGas Unmitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3982.11	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.98211	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Unmitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 PA Mitigated - Orange County, Winter

**JWA Phase 11 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.54	1000sqft	1.60	69,544.00	0
Other Non-Asphalt Surfaces	17.32	1000sqft	0.40	17,320.00	0
Parking Lot	1.92	1000sqft	0.04	1,924.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined by project schedule and RON estimate
- Construction Phase - * Defined in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	220.00	83.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	10.00	83.00
tblConstructionPhase	NumDays	10.00	27.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.57	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.21	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7610e-003	0.00
tblFleetMix	MCY	4.9610e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	8.5400e-004	0.00
tblFleetMix	MHD	0.03	0.00
tblFleetMix	OBUS	1.8070e-003	0.00
tblFleetMix	SBUS	6.0600e-004	0.00
tblFleetMix	UBUS	1.4890e-003	0.00
tblLandUse	LandUseSquareFeet	69,540.00	69,544.00
tblLandUse	LandUseSquareFeet	1,920.00	1,924.00
tblTripsAndVMT	VendorTripNumber	15.00	17.00
tblTripsAndVMT	WorkerTripNumber	37.00	44.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.1836	47.8743	55.1385	0.1139	6.9628	1.9754	8.9381	1.2333	1.8491	3.0824	0.0000	11,192.6161	11,192.6161	2.3584	0.0000	11,251.5749
Maximum	5.1836	47.8743	55.1385	0.1139	6.9628	1.9754	8.9381	1.2333	1.8491	3.0824	0.0000	11,192.6161	11,192.6161	2.3584	0.0000	11,251.5749

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4932	11.8698	59.7380	0.1139	3.6421	0.1436	3.7857	0.7305	0.1427	0.8732	0.0000	11,192.6161	11,192.6161	2.3584	0.0000	11,251.5749
Maximum	1.4932	11.8698	59.7380	0.1139	3.6421	0.1436	3.7857	0.7305	0.1427	0.8732	0.0000	11,192.6161	11,192.6161	2.3584	0.0000	11,251.5749

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	71.19	75.21	-8.34	0.00	47.69	92.73	57.65	40.77	92.28	71.67	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Energy	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Mobile	0.6613	2.5660	9.6751	0.0426	4.5531	0.0303	4.5833	1.2175	0.0281	1.2455		4,339.7521	4,339.7521	0.1668		4,343.9208
Total	2.2681	2.9565	10.0120	0.0449	4.5531	0.0600	4.6130	1.2175	0.0578	1.2752		4,808.2548	4,808.2548	0.1758	8.5900e-003	4,815.2088

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Energy	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Mobile	0.6613	2.5660	9.6751	0.0426	4.5531	0.0303	4.5833	1.2175	0.0281	1.2455		4,339.7521	4,339.7521	0.1668		4,343.9208
Total	2.2681	2.9565	10.0120	0.0449	4.5531	0.0600	4.6130	1.2175	0.0578	1.2752		4,808.2548	4,808.2548	0.1758	8.5900e-003	4,815.2088

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of Box Hangars - 11	Building Construction	7/29/2024	11/20/2024	5	83	
3	Surface Repairs - 11	Paving	7/29/2024	11/20/2024	5	83	

4	Misc. Concrete - 11	Paving	7/29/2024	9/3/2024	5	27
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.44

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Box Hangars - 11	Cranes	1	8.00	231	0.29
Construction of Box Hangars - 11	Forklifts	2	7.00	89	0.20
Construction of Box Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of Box Hangars - 11	Graders	0		187	0.41
Construction of Box Hangars - 11	Scrapers	0		367	0.48
Construction of Box Hangars - 11	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of Box Hangars - 11	Welders	3	8.00	46	0.45
Surface Repairs - 11	Cement and Mortar Mixers	1	8.00	9	0.56
Surface Repairs - 11	Graders	0		187	0.41
Surface Repairs - 11	Pavers	1	8.00	130	0.42
Surface Repairs - 11	Paving Equipment	1	8.00	132	0.36
Surface Repairs - 11	Rollers	2	8.00	80	0.38
Surface Repairs - 11	Rubber Tired Dozers	0		247	0.40
Surface Repairs - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74

Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 11	Rollers	2	8.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	5	13.00	0.00	931.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hangars - 11	8	44.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Surface Repairs - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4437	0.0000	5.4437	0.8242	0.0000	0.8242			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	5.4437	0.6311	6.0748	0.8242	0.5895	1.4137		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1187	3.6835	1.7577	0.0174	0.4380	7.4300e-003	0.4455	0.1199	7.1100e-003	0.1270		1,962.3888	1,962.3888	0.2126		1,967.7031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1643	3.7069	2.0517	0.0186	0.5833	8.3200e-003	0.5917	0.1585	7.9300e-003	0.1664		2,077.5202	2,077.5202	0.2146		2,082.8862

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1230	0.0000	2.1230	0.3215	0.0000	0.3215			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	2.1230	0.0375	2.1605	0.3215	0.0375	0.3589	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.1187	3.6835	1.7577	0.0174	0.4380	7.4300e-003	0.4455	0.1199	7.1100e-003	0.1270	1,962.3888	1,962.3888	0.2126		1,967.7031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394	115.1314	115.1314	2.0700e-003		115.1831
Total	0.1643	3.7069	2.0517	0.0186	0.5833	8.3200e-003	0.5917	0.1585	7.9300e-003	0.1664	2,077.5202	2,077.5202	0.2146		2,082.8862

3.3 Construction of Box Hangars - 11 - 2024

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	2,289.6541	2,289.6541	0.4265			2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	2,289.6541	2,289.6541	0.4265			2,300.3154

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0329	1.1182	0.4114	3.8800e-003	0.1086	1.4200e-003	0.1100	0.0313	1.3500e-003	0.0326		424.7279	424.7279	0.0330		425.5538
Worker	0.1543	0.0791	0.9950	3.9100e-003	0.4918	3.0200e-003	0.4948	0.1304	2.7700e-003	0.1332		389.6755	389.6755	7.0000e-003		389.8505

Total	0.1872	1.1973	1.4065	7.7900e-003	0.6004	4.4400e-003	0.6049	0.1617	4.1200e-003	0.1658		814.4034	814.4034	0.0400		815.4043
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0329	1.1182	0.4114	3.8800e-003	0.1086	1.4200e-003	0.1100	0.0313	1.3500e-003	0.0326		424.7279	424.7279	0.0330		425.5538
Worker	0.1543	0.0791	0.9950	3.9100e-003	0.4918	3.0200e-003	0.4948	0.1304	2.7700e-003	0.1332		389.6755	389.6755	7.0000e-003		389.8505
Total	0.1872	1.1973	1.4065	7.7900e-003	0.6004	4.4400e-003	0.6049	0.1617	4.1200e-003	0.1658		814.4034	814.4034	0.0400		815.4043

3.4 Surface Repairs - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8437	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	1.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2116	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

3.5 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8464	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	3.8800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2143	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454	132.8439	132.8439	2.3900e-003		132.9036	
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003	132.9036	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.6613	2.5660	9.6751	0.0426	4.5531	0.0303	4.5833	1.2175	0.0281	1.2455		4,339.7521	4,339.7521	0.1668		4,343.9208
Unmitigated	0.6613	2.5660	9.6751	0.0426	4.5531	0.0303	4.5833	1.2175	0.0281	1.2455		4,339.7521	4,339.7521	0.1668		4,343.9208

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	484.69	91.79	47.29	1,621,097	1,621,097
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	484.69	91.79	47.29	1,621,097	1,621,097

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day										lb/day						
NaturalGas Mitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
NaturalGas Unmitigated	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	3982.11	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	3.98211	0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0429	0.3904	0.3279	2.3400e-003		0.0297	0.0297		0.0297	0.0297			468.4834	468.4834	8.9800e-003	8.5900e-003	471.2673

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Unmitigated	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.3000e-004	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207
Total	1.5639	8.0000e-005	9.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0194	0.0194	5.0000e-005		0.0207

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 PA Mitigated - Orange County, Summer

**JWA Phase 12 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	34.76	1000sqft	0.80	34,761.00	0
Other Asphalt Surfaces	187.88	1000sqft	4.31	187,878.00	0
Other Non-Asphalt Surfaces	187.88	1000sqft	4.31	187,875.00	0
Other Non-Asphalt Surfaces	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment - *

Off-road Equipment -

Off-road Equipment - *

Trips and VMT -

On-road Fugitive Dust -

Demolition -

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - *

Fleet Mix -

Area Coating - *

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	76.00
tblConstructionPhase	NumDays	20.00	28.00
tblConstructionPhase	NumDays	20.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	27.00
tblLandUse	LandUseSquareFeet	34,760.00	34,761.00
tblLandUse	LandUseSquareFeet	187,880.00	187,878.00
tblLandUse	LandUseSquareFeet	187,880.00	187,875.00
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.3973	24.3048	21.6561	0.0567	5.8589	0.9679	6.8268	0.9777	0.8995	1.8772	0.0000	5,737.1968	5,737.1968	1.2451	0.0000	5,768.3245
2025	5.5636	48.3089	57.8589	0.1389	8.5748	1.8244	10.3993	1.7042	1.6972	3.4014	0.0000	13,900.8598	13,900.8598	2.7118	0.0000	13,968.6556
Maximum	5.5636	48.3089	57.8589	0.1389	8.5748	1.8244	10.3993	1.7042	1.6972	3.4014	0.0000	13,900.8598	13,900.8598	2.7118	0.0000	13,968.6556

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.6158	5.4299	25.2286	0.0567	2.7766	0.0694	2.8459	0.5110	0.0690	0.5800	0.0000	5,737.1968	5,737.1968	1.2451	0.0000	5,768.3245
2025	2.2590	13.5144	65.8136	0.1389	5.4925	0.1654	5.6579	1.2375	0.1638	1.4013	0.0000	13,900.8598	13,900.8598	2.7118	0.0000	13,968.6556
Maximum	2.2590	13.5144	65.8136	0.1389	5.4925	0.1654	5.6579	1.2375	0.1638	1.4013	0.0000	13,900.8598	13,900.8598	2.7118	0.0000	13,968.6556

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	63.89	73.91	-14.50	0.00	42.71	91.59	50.63	34.80	91.04	62.47	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 12	Demolition	12/10/2024	1/16/2025	5	28
2	Construction of Box Hanger and T-Hangers - 12	Building Construction	1/16/2025	5/1/2025	5	76
3	Construction of Apron Concrete - 12	Paving	1/16/2025	2/27/2025	5	31
4	Construction of Park Spaces / Lighting	Paving	4/29/2025	6/12/2025	5	33
5	Construction of Misc. Concrete	Paving	5/15/2025	6/20/2025	5	27

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.67

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of Box Hanger and T-Hangers - 12	Cranes	1	7.00	231	0.29
Construction of Box Hanger and T-Hangers - 12	Forklifts	3	8.00	89	0.20
Construction of Box Hanger and T-Hangers - 12	Generator Sets	1	8.00	84	0.74
Construction of Box Hanger and T-Hangers - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Box Hanger and T-Hangers - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete - 12	Cranes	0		231	0.29
Construction of Apron Concrete - 12	Forklifts	0		89	0.20
Construction of Apron Concrete - 12	Generator Sets	0		84	0.74
Construction of Apron Concrete - 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete - 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete - 12	Rollers	2	8.00	80	0.38
Construction of Apron Concrete - 12	Tractors/Loaders/Backhoes	0		97	0.37
Construction of Apron Concrete - 12	Welders	0		46	0.45
Construction of Park Spaces / Lighting	Cranes	0		231	0.29

Construction of Park Spaces / Lighting	Forklifts	0		89	0.20
Construction of Park Spaces / Lighting	Generator Sets	0		84	0.74
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	0		97	0.37
Construction of Park Spaces / Lighting	Welders	0		46	0.45
Construction of Misc. Concrete	Pavers	2	8.00	130	0.42
Construction of Misc. Concrete	Paving Equipment	2	8.00	132	0.36
Construction of Misc. Concrete	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	6	15.00	0.00	654.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hanger and T	9	173.00	68.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Misc. Concrete	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 12 - 2024

Unmitigated Construction On-Site

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	5.0530	0.9602	6.0132	0.7651	0.8922	1.6573		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1075	3.4022	1.5796	0.0164	0.6382	6.6900e-003	0.6449	0.1682	6.4000e-003	0.1746		1,849.4276	1,849.4276	0.1941		1,854.2804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.1536	3.4267	1.9488	0.0178	0.8059	7.7200e-003	0.8136	0.2126	7.3500e-003	0.2200		1,989.7740	1,989.7740	0.1966		1,994.6900

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9707	0.0000	1.9707	0.2984	0.0000	0.2984			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Total	0.4623	2.0032	23.2798	0.0388	1.9707	0.0616	2.0323	0.2984	0.0616	0.3600	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1075	3.4022	1.5796	0.0164	0.6382	6.6900e-003	0.6449	0.1682	6.4000e-003	0.1746		1,849.4276	1,849.4276	0.1941		1,854.2804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.1536	3.4267	1.9488	0.0178	0.8059	7.7200e-003	0.8136	0.2126	7.3500e-003	0.2200		1,989.7740	1,989.7740	0.1966		1,994.6900

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	5.0530	0.8528	5.9058	0.7651	0.7920	1.5570		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1065	3.3164	1.6051	0.0163	0.8183	6.5700e-003	0.8249	0.2124	6.2800e-003	0.2187		1,837.3633	1,837.3633	0.1940		1,842.2129
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.1505	3.3389	1.9497	0.0176	0.9860	7.5900e-003	0.9936	0.2568	7.2100e-003	0.2641		1,972.0349	1,972.0349	0.1963		1,976.9423

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9707	0.0000	1.9707	0.2984	0.0000	0.2984			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	1.9707	0.0616	2.0323	0.2984	0.0616	0.3600	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.1065	3.3164	1.6051	0.0163	0.8183	6.5700e-003	0.8249	0.2124	6.2800e-003	0.2187		1,837.3633	1,837.3633	0.1940		1,842.2129
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.1505	3.3389	1.9497	0.0176	0.9860	7.5900e-003	0.9936	0.2568	7.2100e-003	0.2641		1,972.0349	1,972.0349	0.1963		1,976.9423

3.3 Construction of Box Hanger and T-Hangers - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1222	4.4401	1.5092	0.0158	0.4344	5.2600e-003	0.4397	0.1250	5.0300e-003	0.1300		1,730.1222	1,730.1222	0.1255		1,733.2586
Worker	0.5075	0.2596	3.9743	0.0156	1.9337	0.0117	1.9454	0.5128	0.0108	0.5236		1,553.2122	1,553.2122	0.0267		1,553.8789
Total	0.6297	4.6997	5.4835	0.0313	2.3682	0.0170	2.3851	0.6379	0.0158	0.6537		3,283.3343	3,283.3343	0.1521		3,287.1375

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1222	4.4401	1.5092	0.0158	0.4344	5.2600e-003	0.4397	0.1250	5.0300e-003	0.1300		1,730.1222	1,730.1222	0.1255		1,733.2586
Worker	0.5075	0.2596	3.9743	0.0156	1.9337	0.0117	1.9454	0.5128	0.0108	0.5236		1,553.2122	1,553.2122	0.0267		1,553.8789
Total	0.6297	4.6997	5.4835	0.0313	2.3682	0.0170	2.3851	0.6379	0.0158	0.6537		3,283.3343	3,283.3343	0.1521		3,287.1375

3.4 Construction of Apron Concrete - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2794	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.3643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6447	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.5 Construction of Park Spaces / Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2573	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6227	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Construction of Misc. Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.4182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3334	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.4182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6987	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3100	1.1668	4.6434	0.0210	2.2759	0.0139	2.2899	0.6086	0.0129	0.6215		2,144,645 4	2,144.6454	0.0783		2,146.602 0
Unmitigated	0.3100	1.1668	4.6434	0.0210	2.2759	0.0139	2.2899	0.6086	0.0129	0.6215		2,144,645 4	2,144.6454	0.0783		2,146.602 0

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	242.28	45.88	23.64	810,315	810,315
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	242.28	45.88	23.64	810,315	810,315

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
NaturalGas Unmitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1990.42	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.99042	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962
Unmitigated	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8700e-003	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962
Total	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8700e-003	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962
Total	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 PA Mitigated - Orange County, Winter

**JWA Phase 12 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	34.76	1000sqft	0.80	34,761.00	0
Other Asphalt Surfaces	187.88	1000sqft	4.31	187,878.00	0
Other Non-Asphalt Surfaces	187.88	1000sqft	4.31	187,875.00	0
Other Non-Asphalt Surfaces	2.00	1000sqft	0.05	2,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment - *

Off-road Equipment -

Off-road Equipment - *

Trips and VMT -

On-road Fugitive Dust -

Demolition -

Vehicle Trips -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - *

Fleet Mix -

Area Coating - *

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	76.00
tblConstructionPhase	NumDays	20.00	28.00
tblConstructionPhase	NumDays	20.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	27.00
tblLandUse	LandUseSquareFeet	34,760.00	34,761.00
tblLandUse	LandUseSquareFeet	187,880.00	187,878.00
tblLandUse	LandUseSquareFeet	187,880.00	187,875.00
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting
tblOffRoadEquipment	PhaseName		Construction of Apron Concrete - 12
tblOffRoadEquipment	PhaseName		Construction of Park Spaces / Lighting

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.4065	24.3244	21.6782	0.0563	5.8589	0.9681	6.8270	0.9777	0.8997	1.8774	0.0000	5,701.8826	5,701.8826	1.2482	0.0000	5,733.0871
2025	5.6589	48.3304	57.6445	0.1373	8.5748	1.8249	10.3997	1.7042	1.6977	3.4019	0.0000	13,734.6507	13,734.6507	2.7178	0.0000	13,802.5963
Maximum	5.6589	48.3304	57.6445	0.1373	8.5748	1.8249	10.3997	1.7042	1.6977	3.4019	0.0000	13,734.6507	13,734.6507	2.7178	0.0000	13,802.5963

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.6250	5.4494	25.2507	0.0563	2.7766	0.0696	2.8461	0.5110	0.0692	0.5802	0.0000	5,701.8826	5,701.8826	1.2482	0.0000	5,733.0871
2025	2.3543	13.5358	65.5992	0.1373	5.4925	0.1658	5.6583	1.2375	0.1642	1.4017	0.0000	13,734.6507	13,734.6507	2.7178	0.0000	13,802.5963
Maximum	2.3543	13.5358	65.5992	0.1373	5.4925	0.1658	5.6583	1.2375	0.1642	1.4017	0.0000	13,734.6507	13,734.6507	2.7178	0.0000	13,802.5963

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	63.06	73.87	-14.53	0.00	42.71	91.57	50.63	34.80	91.01	62.46	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 12	Demolition	12/10/2024	1/16/2025	5	28
2	Construction of Box Hanger and T-Hangers - 12	Building Construction	1/16/2025	5/1/2025	5	76
3	Construction of Apron Concrete - 12	Paving	1/16/2025	2/27/2025	5	31
4	Construction of Park Spaces / Lighting	Paving	4/29/2025	6/12/2025	5	33
5	Construction of Misc. Concrete	Paving	5/15/2025	6/20/2025	5	27

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.67

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of Box Hanger and T-Hangers - 12	Cranes	1	7.00	231	0.29
Construction of Box Hanger and T-Hangers - 12	Forklifts	3	8.00	89	0.20
Construction of Box Hanger and T-Hangers - 12	Generator Sets	1	8.00	84	0.74
Construction of Box Hanger and T-Hangers - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Box Hanger and T-Hangers - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete - 12	Cranes	0		231	0.29
Construction of Apron Concrete - 12	Forklifts	0		89	0.20
Construction of Apron Concrete - 12	Generator Sets	0		84	0.74
Construction of Apron Concrete - 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete - 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete - 12	Rollers	2	8.00	80	0.38
Construction of Apron Concrete - 12	Tractors/Loaders/Backhoes	0		97	0.37
Construction of Apron Concrete - 12	Welders	0		46	0.45
Construction of Park Spaces / Lighting	Cranes	0		231	0.29

Construction of Park Spaces / Lighting	Forklifts	0		89	0.20
Construction of Park Spaces / Lighting	Generator Sets	0		84	0.74
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	0		97	0.37
Construction of Park Spaces / Lighting	Welders	0		46	0.45
Construction of Misc. Concrete	Pavers	2	8.00	130	0.42
Construction of Misc. Concrete	Paving Equipment	2	8.00	132	0.36
Construction of Misc. Concrete	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	6	15.00	0.00	654.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Box Hanger and T	9	173.00	68.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Misc. Concrete	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 12 - 2024

Unmitigated Construction On-Site

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	5.0530	0.9602	6.0132	0.7651	0.8922	1.6573		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1102	3.4193	1.6316	0.0162	0.6382	6.9000e-003	0.6451	0.1682	6.6000e-003	0.1748		1,821.6160	1,821.6160	0.1973		1,826.5490
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.1628	3.4462	1.9709	0.0175	0.8059	7.9300e-003	0.8138	0.2126	7.5500e-003	0.2202		1,954.4599	1,954.4599	0.1997		1,959.4526

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9707	0.0000	1.9707	0.2984	0.0000	0.2984			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Total	0.4623	2.0032	23.2798	0.0388	1.9707	0.0616	2.0323	0.2984	0.0616	0.3600	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1102	3.4193	1.6316	0.0162	0.6382	6.9000e-003	0.6451	0.1682	6.6000e-003	0.1748		1,821.6160	1,821.6160	0.1973		1,826.5490
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.1628	3.4462	1.9709	0.0175	0.8059	7.9300e-003	0.8138	0.2126	7.5500e-003	0.2202		1,954.4599	1,954.4599	0.1997		1,959.4526

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0530	0.0000	5.0530	0.7651	0.0000	0.7651			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	5.0530	0.8528	5.9058	0.7651	0.7920	1.5570		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1090	3.3327	1.6560	0.0160	0.8183	6.7500e-003	0.8251	0.2124	6.4500e-003	0.2188		1,809.9460	1,809.9460	0.1970		1,814.8713
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.1594	3.3575	1.9724	0.0173	0.9860	7.7700e-003	0.9938	0.2568	7.3800e-003	0.2642		1,937.4247	1,937.4247	0.1992		1,942.4046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9707	0.0000	1.9707	0.2984	0.0000	0.2984			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	1.9707	0.0616	2.0323	0.2984	0.0616	0.3600	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.1090	3.3327	1.6560	0.0160	0.8183	6.7500e-003	0.8251	0.2124	6.4500e-003	0.2188		1,809.9460	1,809.9460	0.1970		1,814.8713
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.1594	3.3575	1.9724	0.0173	0.9860	7.7700e-003	0.9938	0.2568	7.3800e-003	0.2642		1,937.4247	1,937.4247	0.1992		1,942.4046

3.3 Construction of Box Hanger and T-Hangers - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1283	4.4153	1.6249	0.0154	0.4344	5.5300e-003	0.4400	0.1250	5.2800e-003	0.1303		1,688.6735	1,688.6735	0.1302		1,691.9283
Worker	0.5814	0.2851	3.6497	0.0147	1.9337	0.0117	1.9454	0.5128	0.0108	0.5236		1,470.2547	1,470.2547	0.0252		1,470.8837
Total	0.7097	4.7003	5.2746	0.0301	2.3682	0.0172	2.3854	0.6379	0.0161	0.6539		3,158.9282	3,158.9282	0.1554		3,162.8120

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1283	4.4153	1.6249	0.0154	0.4344	5.5300e-003	0.4400	0.1250	5.2800e-003	0.1303		1,688.6735	1,688.6735	0.1302		1,691.9283
Worker	0.5814	0.2851	3.6497	0.0147	1.9337	0.0117	1.9454	0.5128	0.0108	0.5236		1,470.2547	1,470.2547	0.0252		1,470.8837
Total	0.7097	4.7003	5.2746	0.0301	2.3682	0.0172	2.3854	0.6379	0.0161	0.6539		3,158.9282	3,158.9282	0.1554		3,162.8120

3.4 Construction of Apron Concrete - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2794	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.3643					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6447	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.5 Construction of Park Spaces / Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2573	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3422					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6227	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Construction of Misc. Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.4182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3334	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.4182					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6987	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3042	1.1998	4.3923	0.0201	2.2759	0.0140	2.2899	0.6086	0.0129	0.6215		2,053.9568	2,053.9568	0.0779		2,055.9045
Unmitigated	0.3042	1.1998	4.3923	0.0201	2.2759	0.0140	2.2899	0.6086	0.0129	0.6215		2,053.9568	2,053.9568	0.0779		2,055.9045

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	242.28	45.88	23.64	810,315	810,315
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	242.28	45.88	23.64	810,315	810,315

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
NaturalGas Unmitigated	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1990.42	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.99042	0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0215	0.1951	0.1639	1.1700e-003		0.0148	0.0148		0.0148	0.0148		234.1676	234.1676	4.4900e-003	4.2900e-003	235.5591

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962
Unmitigated	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8700e-003	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962
Total	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8700e-003	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962
Total	0.9286	3.8000e-004	0.0420	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0903	0.0903	2.3000e-004		0.0962

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 PA Mitigated - Orange County, Summer

**JWA Phase 13 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	150.55	1000sqft	3.46	150,552.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	300.00	66.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	53.00
tblConstructionPhase	NumDays	20.00	144.00
tblConstructionPhase	NumDays	20.00	48.00
tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	150,550.00	150,552.00
tblOffRoadEquipment	PhaseName		Construction of Parking Garage - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblOffRoadEquipment	PhaseName		Construction of FBO Hangers - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblTripsAndVMT	WorkerTripNumber	204.00	18.00
tblTripsAndVMT	WorkerTripNumber	204.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	41.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	7.6088	79.8153	82.3369	0.2334	15.8810	2.4854	18.3665	3.0475	2.3279	5.3754	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722
2026	3.6040	34.9579	48.6641	0.0978	1.3670	1.3757	2.7427	0.3742	1.2768	1.6510	0.0000	9,676.1637	9,676.1637	2.1866	0.0000	9,730.8292
Maximum	7.6088	79.8153	82.3369	0.2334	15.8810	2.4854	18.3665	3.0475	2.3279	5.3754	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.8597	31.9170	92.9070	0.2334	9.4132	0.2340	9.6472	2.0682	0.2312	2.2993	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722
2026	1.2951	9.9904	55.4750	0.0978	1.3670	0.1267	1.4937	0.3742	0.1260	0.5003	0.0000	9,676.1637	9,676.1637	2.1866	0.0000	9,730.8292
Maximum	2.8597	31.9170	92.9070	0.2334	9.4132	0.2340	9.6472	2.0682	0.2312	2.2993	0.0000	23,761.5677	23,761.5677	3.7442	0.0000	23,855.1722

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	62.95	63.49	-13.27	0.00	37.50	90.66	47.22	28.62	90.09	60.16	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 13	Demolition	7/18/2025	9/2/2025	5	33
2	Construction of FBO Hangers - 13	Building Construction	9/2/2025	12/2/2025	5	66
3	Construction of Offices - 13	Building Construction	9/2/2025	1/12/2026	5	95
4	Construction Set Up of Customs Area - 13	Building Construction	9/2/2025	10/14/2025	5	31
5	Construction of Park Spaces / Lighting - 13	Paving	10/16/2025	12/29/2025	5	53
6	Construction of Parking Garage - 13	Paving	10/16/2025	5/5/2026	5	144
7	Apron concrete - 13	Paving	12/2/2025	2/5/2026	5	48

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40

Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 13	6	15.00	0.00	1,617.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13	9	18.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13	9	20.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13	9	204.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13	6	41.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6030	0.0000	10.6030	1.6054	0.0000	1.6054			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	10.6030	0.8528	11.4557	1.6054	0.7920	2.3974		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2233	6.9573	3.3673	0.0342	0.8530	0.0138	0.8668	0.2335	0.0132	0.2467		3,854.5297	3,854.5297	0.4070		3,864.7036
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.2673	6.9798	3.7119	0.0355	1.0207	0.0148	1.0354	0.2780	0.0141	0.2921		3,989.2013	3,989.2013	0.4093		3,999.4329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1352	0.0000	4.1352	0.6261	0.0000	0.6261			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	4.1352	0.0616	4.1968	0.6261	0.0616	0.6877	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2233	6.9573	3.3673	0.0342	0.8530	0.0138	0.8668	0.2335	0.0132	0.2467		3,854.5297	3,854.5297	0.4070		3,864.7036
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.2673	6.9798	3.7119	0.0355	1.0207	0.0148	1.0354	0.2780	0.0141	0.2921		3,989.2013	3,989.2013	0.4093		3,999.4329

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.880 8	2,060.8808	0.1494		2,064.616 8
Worker	0.0528	0.0270	0.4135	1.6200e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		161.6059	161.6059	2.7700e-003		161.6753
Total	0.1984	5.3159	2.2112	0.0204	0.7187	7.4900e-003	0.7262	0.2023	7.1100e-003	0.2094		2,222.486 7	2,222.4867	0.1522		2,226.292 1

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494			2,064.6168
Worker	0.0528	0.0270	0.4135	1.6200e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		161.6059	161.6059	2.7700e-003			161.6753
Total	0.1984	5.3159	2.2112	0.0204	0.7187	7.4900e-003	0.7262	0.2023	7.1100e-003	0.2094		2,222.4867	2,222.4867	0.1522			2,226.2921

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549	2,060.8808	2,060.8808	0.1494		2,064.6168
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605	179.5621	179.5621	3.0800e-003		179.6392
Total	0.2043	5.3189	2.2572	0.0206	0.7410	7.6200e-003	0.7487	0.2082	7.2400e-003	0.2154	2,240.4429	2,240.4429	0.1525		2,244.2560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549	2,060.8808	2,060.8808	0.1494			2,064.6168
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605	179.5621	179.5621	3.0800e-003			179.6392

Total	0.2043	5.3189	2.2572	0.0206	0.7410	7.6200e-003	0.7487	0.2082	7.2400e-003	0.2154		2,240.4429	2,240.4429	0.1525		2,244.2560
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3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1422	5.2196	1.7838	0.0187	0.5175	6.1300e-003	0.5236	0.1489	5.8600e-003	0.1548		2,048.5421	2,048.5421	0.1475		2,052.2293
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.1985	5.2473	2.2153	0.0204	0.7410	7.4400e-003	0.7485	0.2082	7.0700e-003	0.2153		2,221.6097	2,221.6097	0.1503		2,225.3678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1422	5.2196	1.7838	0.0187	0.5175	6.1300e-003	0.5236	0.1489	5.8600e-003	0.1548		2,048.5421	2,048.5421	0.1475		2,052.2293
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.1985	5.2473	2.2153	0.0204	0.7410	7.4400e-003	0.7485	0.2082	7.0700e-003	0.2153		2,221.6097	2,221.6097	0.1503		2,225.3678

3.5 Construction Set up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.880 8	2,060.8808	0.1494		2,064.616 8
Worker	0.5984	0.3061	4.6865	0.0184	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,831.533 4	1,831.5334	0.0315		1,832.319 6
Total	0.7440	5.5950	6.4842	0.0371	2.7977	0.0201	2.8178	0.7536	0.0187	0.7723		3,892.414 2	3,892.4142	0.1809		3,896.936 4

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1456	5.2889	1.7977	0.0188	0.5175	6.2700e-003	0.5238	0.1489	5.9900e-003	0.1549		2,060.8808	2,060.8808	0.1494		2,064.6168
Worker	0.5984	0.3061	4.6865	0.0184	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,831.5334	1,831.5334	0.0315		1,832.3196
Total	0.7440	5.5950	6.4842	0.0371	2.7977	0.0201	2.8178	0.7536	0.0187	0.7723		3,892.4142	3,892.4142	0.1809		3,896.9364

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9493	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3146	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
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3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003		368.2603
Total	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003		368.2603

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2930	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003		368.2603
Total	0.1203	0.0615	0.9419	3.6900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		368.1023	368.1023	6.3200e-003		368.2603

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003		354.9339
Total	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003		354.9339

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2930	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003			354.9339
Total	0.1154	0.0568	0.8846	3.5600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		354.7886	354.7886	5.8100e-003			354.9339

3.8 Apron concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137			2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137			2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3181	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
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3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3181	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Unmitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	695.8471	695.8471	0.0133	0.0128	699.9821	
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	695.8471	695.8471	0.0133	0.0128	699.9821	
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004			0.1155
Unmitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004			0.1155

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004			0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004			0.1155

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 PA Mitigated - Orange County, Winter

**JWA Phase 13 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	150.55	1000sqft	3.46	150,552.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	300.00	66.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	31.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	20.00	53.00
tblConstructionPhase	NumDays	20.00	144.00
tblConstructionPhase	NumDays	20.00	48.00
tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	150,550.00	150,552.00
tblOffRoadEquipment	PhaseName		Construction of Parking Garage - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblOffRoadEquipment	PhaseName		Construction of FBO Hangers - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblOffRoadEquipment	PhaseName		Construction of Offices - 13
tblTripsAndVMT	WorkerTripNumber	204.00	18.00
tblTripsAndVMT	WorkerTripNumber	204.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	41.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	7.7457	79.7988	82.3748	0.2303	15.8810	2.4867	18.3678	3.0475	2.3292	5.3766	0.0000	23,432.6947	23,432.6947	3.7652	0.0000	23,526.8251
2026	3.6429	34.9391	48.6637	0.0970	1.3670	1.3760	2.7430	0.3742	1.2771	1.6513	0.0000	9,592.3095	9,592.3095	2.1914	0.0000	9,647.0934
Maximum	7.7457	79.7988	82.3748	0.2303	15.8810	2.4867	18.3678	3.0475	2.3292	5.3766	0.0000	23,432.6947	23,432.6947	3.7652	0.0000	23,526.8251

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.9966	31.9005	92.9781	0.2303	9.4132	0.2353	9.6485	2.0682	0.2324	2.3006	0.0000	23,432.6947	23,432.6947	3.7652	0.0000	23,526.8251
2026	1.3339	9.9716	55.4747	0.0970	1.3670	0.1270	1.4940	0.3742	0.1263	0.5005	0.0000	9,592.3095	9,592.3095	2.1914	0.0000	9,647.0934
Maximum	2.9966	31.9005	92.9781	0.2303	9.4132	0.2353	9.6485	2.0682	0.2324	2.3006	0.0000	23,432.6947	23,432.6947	3.7652	0.0000	23,526.8251

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	61.97	63.51	-13.29	0.00	37.50	90.62	47.22	28.62	90.05	60.14	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition - 13	Demolition	7/18/2025	9/2/2025	5	33
2	Construction of FBO Hangers - 13	Building Construction	9/2/2025	12/2/2025	5	66
3	Construction of Offices - 13	Building Construction	9/2/2025	1/12/2026	5	95
4	Construction Set Up of Customs Area - 13	Building Construction	9/2/2025	10/14/2025	5	31
5	Construction of Park Spaces / Lighting - 13	Paving	10/16/2025	12/29/2025	5	53
6	Construction of Parking Garage - 13	Paving	10/16/2025	5/5/2026	5	144
7	Apron concrete - 13	Paving	12/2/2025	2/5/2026	5	48

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40

Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 13	6	15.00	0.00	1,617.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13	9	18.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13	9	20.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13	9	204.00	81.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13	6	41.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.6030	0.0000	10.6030	1.6054	0.0000	1.6054			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	10.6030	0.8528	11.4557	1.6054	0.7920	2.3974		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2287	6.9916	3.4740	0.0336	0.8530	0.0142	0.8671	0.2335	0.0135	0.2470		3,797.0121	3,797.0121	0.4133		3,807.3447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.2791	7.0163	3.7905	0.0349	1.0207	0.0152	1.0358	0.2780	0.0145	0.2924		3,924.4908	3,924.4908	0.4155		3,934.8779

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1352	0.0000	4.1352	0.6261	0.0000	0.6261			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	4.1352	0.0616	4.1968	0.6261	0.0616	0.6877	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2287	6.9916	3.4740	0.0336	0.8530	0.0142	0.8671	0.2335	0.0135	0.2470		3,797.0121	3,797.0121	0.4133		3,807.3447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.2791	7.0163	3.7905	0.0349	1.0207	0.0152	1.0358	0.2780	0.0145	0.2924		3,924.4908	3,924.4908	0.4155		3,934.8779

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.508 1	2,011.5081	0.1551		2,015.385 2
Worker	0.0605	0.0297	0.3797	1.5300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		152.9745	152.9745	2.6200e-003		153.0399
Total	0.2133	5.2890	2.3153	0.0199	0.7187	7.8000e-003	0.7265	0.2023	7.4100e-003	0.2097		2,164.482 6	2,164.4826	0.1577		2,168.425 1

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.0605	0.0297	0.3797	1.5300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		152.9745	152.9745	2.6200e-003		153.0399
Total	0.2133	5.2890	2.3153	0.0199	0.7187	7.8000e-003	0.7265	0.2023	7.4100e-003	0.2097		2,164.4826	2,164.4826	0.1577		2,168.4251

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.2200	5.2923	2.3575	0.0201	0.7410	7.9300e-003	0.7490	0.2082	7.5400e-003	0.2157		2,181.4798	2,181.4798	0.1580		2,185.4296

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

Total	0.2200	5.2923	2.3575	0.0201	0.7410	7.9300e-003	0.7490	0.2082	7.5400e-003	0.2157		2,181.4798	2,181.4798	0.1580		2,185.4296
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3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1492	5.1905	1.9185	0.0182	0.5175	6.4000e-003	0.5239	0.1489	6.1200e-003	0.1550		1,999.7994	1,999.7994	0.1528		2,003.6203
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.2139	5.2210	2.3144	0.0199	0.7410	7.7100e-003	0.7488	0.2082	7.3300e-003	0.2155		2,163.6271	2,163.6271	0.1555		2,167.5149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1492	5.1905	1.9185	0.0182	0.5175	6.4000e-003	0.5239	0.1489	6.1200e-003	0.1550		1,999.7994	1,999.7994	0.1528		2,003.6203
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.2139	5.2210	2.3144	0.0199	0.7410	7.7100e-003	0.7488	0.2082	7.3300e-003	0.2155		2,163.6271	2,163.6271	0.1555		2,167.5149

3.5 Construction Set up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.508 1	2,011.5081	0.1551		2,015.385 2
Worker	0.6855	0.3361	4.3037	0.0174	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,733.710 8	1,733.7108	0.0297		1,734.452 4
Total	0.8384	5.5955	6.2392	0.0357	2.7977	0.0204	2.8181	0.7536	0.0190	0.7727		3,745.218 9	3,745.2189	0.1848		3,749.837 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1528	5.2594	1.9355	0.0184	0.5175	6.5800e-003	0.5241	0.1489	6.2900e-003	0.1552		2,011.5081	2,011.5081	0.1551		2,015.3852
Worker	0.6855	0.3361	4.3037	0.0174	2.2802	0.0138	2.2941	0.6047	0.0127	0.6174		1,733.7108	1,733.7108	0.0297		1,734.4524
Total	0.8384	5.5955	6.2392	0.0357	2.7977	0.0204	2.8181	0.7536	0.0190	0.7727		3,745.2189	3,745.2189	0.1848		3,749.8376

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9493	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3146	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
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3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909
Total	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2930	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909
Total	0.1378	0.0676	0.8650	3.4900e-003	0.4583	2.7800e-003	0.4611	0.1215	2.5500e-003	0.1241		348.4419	348.4419	5.9600e-003		348.5909

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9277	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839
Total	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2930	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839
Total	0.1326	0.0624	0.8117	3.3600e-003	0.4583	2.6900e-003	0.4610	0.1215	2.4800e-003	0.1240		335.8469	335.8469	5.4800e-003		335.9839

3.8 Apron concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3181	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
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3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9528	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0377					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3181	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Unmitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	695.8471	695.8471	0.0133	0.0128	699.9821	
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	6.7200e-003	106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Unmitigated	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6400e-003	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155
Total	3.2697	4.6000e-004	0.0505	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1084	0.1084	2.8000e-004		0.1155

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 PA Mitigated - Orange County, Summer

**JWA Phase 14 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	23.87	1000sqft	0.55	23,868.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - * Detailed in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Trips and VMT -
- Demolition -
- Architectural Coating - *

Area Coating - * Defined in project schedule and RON estimate

Construction Off-road Equipment Mitigation - *

Area Mitigation - *

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_Parking	1432	23866
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	5.00	52.00
tblLandUse	LandUseSquareFeet	23,870.00	23,868.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4200	13.9284	16.5896	0.0412	5.3910	0.5014	5.8924	0.8983	0.4738	1.3721	0.0000	4,173.0391	4,173.0391	0.6957	0.0000	4,190.4325
Maximum	1.4200	13.9284	16.5896	0.0412	5.3910	0.5014	5.8924	0.8983	0.4738	1.3721	0.0000	4,173.0391	4,173.0391	0.6957	0.0000	4,190.4325

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.7049	4.2809	16.9171	0.0412	2.5249	0.0408	2.5657	0.4643	0.0404	0.5047	0.0000	4,173.0391	4,173.0391	0.6957	0.0000	4,190.4325
Maximum	0.7049	4.2809	16.9171	0.0412	2.5249	0.0408	2.5657	0.4643	0.0404	0.5047	0.0000	4,173.0391	4,173.0391	0.6957	0.0000	4,190.4325

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	50.36	69.27	-1.97	0.00	53.16	91.87	56.46	48.31	91.48	63.22	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0390	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0238	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0238	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	38.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/6/2024	5	5	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6985	0.0000	4.6985	0.7114	0.0000	0.7114			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	4.6985	0.2504	4.9489	0.7114	0.2392	0.9506		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1003	3.1754	1.4743	0.0153	0.3795	6.2500e-003	0.3858	0.1039	5.9700e-003	0.1099		1,726.1324	1,726.1324	0.1812		1,730.6617
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

Total	0.1310	3.1917	1.7204	0.0163	0.4913	6.9400e-003	0.4982	0.1335	6.6000e-003	0.1401		1,819.6967	1,819.6967	0.1829		1,824.2681
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8324	0.0000	1.8324	0.2775	0.0000	0.2775			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.1326	0.5747	7.8509	0.0120	1.8324	0.0177	1.8501	0.2775	0.0177	0.2951	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1003	3.1754	1.4743	0.0153	0.3795	6.2500e-003	0.3858	0.1039	5.9700e-003	0.1099		1,726.1324	1,726.1324	0.1812		1,730.6617
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.1310	3.1917	1.7204	0.0163	0.4913	6.9400e-003	0.4982	0.1335	6.6000e-003	0.1401		1,819.6967	1,819.6967	0.1829		1,824.2681

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6181	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1397	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.4741					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	0.6549	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.4741					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	0.5038	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004	18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004	18.7213

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	lb/day										lb/day					

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0238	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Unmitigated	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0303					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.2200e-003	5.2200e-003	1.0000e-005	5.5600e-003
Total	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.2200e-003	5.2200e-003	1.0000e-005	5.5600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0152					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.2200e-003	5.2200e-003	1.0000e-005	5.5600e-003
Total	0.0238	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.2200e-003	5.2200e-003	1.0000e-005	5.5600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 PA Mitigated - Orange County, Winter

**JWA Phase 14 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	23.87	1000sqft	0.55	23,868.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Architectural Coating - *

Area Coating - * Defined in project schedule and RON estimate

Construction Off-road Equipment Mitigation - *

Area Mitigation - *

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_Parking	1432	23866
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	5.00	52.00
tblLandUse	LandUseSquareFeet	23,870.00	23,868.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4347	13.9489	16.5823	0.0409	5.3910	0.5016	5.8926	0.8983	0.4740	1.3723	0.0000	4,133.0768	4,133.0768	0.6985	0.0000	4,150.5386
Maximum	1.4347	13.9489	16.5823	0.0409	5.3910	0.5016	5.8926	0.8983	0.4740	1.3723	0.0000	4,133.0768	4,133.0768	0.6985	0.0000	4,150.5386

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.7136	4.3013	16.9098	0.0409	2.5249	0.0410	2.5659	0.4643	0.0405	0.5049	0.0000	4,133.0768	4,133.0768	0.6985	0.0000	4,150.5386
Maximum	0.7136	4.3013	16.9098	0.0409	2.5249	0.0410	2.5659	0.4643	0.0405	0.5049	0.0000	4,133.0768	4,133.0768	0.6985	0.0000	4,150.5386

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	50.26	69.16	-1.97	0.00	53.16	91.83	56.46	48.31	91.45	63.21	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0390	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0238	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0238	2.0000e-005	2.4300e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005	0.0000	5.5600e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	38.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/6/2024	5	5	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6985	0.0000	4.6985	0.7114	0.0000	0.7114			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	4.6985	0.2504	4.9489	0.7114	0.2392	0.9506		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1028	3.1913	1.5229	0.0151	0.3795	6.4400e-003	0.3859	0.1039	6.1600e-003	0.1100		1,700.1749	1,700.1749	0.1842		1,704.7791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

Total	0.1379	3.2093	1.7490	0.0160	0.4913	7.1300e-003	0.4984	0.1335	6.7900e-003	0.1403		1,788.7375	1,788.7375	0.1858		1,793.3815
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8324	0.0000	1.8324	0.2775	0.0000	0.2775			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.1326	0.5747	7.8509	0.0120	1.8324	0.0177	1.8501	0.2775	0.0177	0.2951	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1028	3.1913	1.5229	0.0151	0.3795	6.4400e-003	0.3859	0.1039	6.1600e-003	0.1100		1,700.1749	1,700.1749	0.1842		1,704.3891
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.1379	3.2093	1.7490	0.0160	0.4913	7.1300e-003	0.4984	0.1335	6.7900e-003	0.1403		1,788.7375	1,788.7375	0.1858		1,793.3815

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6181	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1397	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.4741					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	0.6549	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004			17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004			17.7205

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	0.4741					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159			281.8443
Total	0.5038	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159			281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
--	-----	-----	----	-----	---------------	--------------	------------	----------------	---------------	-------------	----------	-----------	-----------	-----	-----	------

Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004	17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004	17.7205

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	lb/day										lb/day					
	Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	lb/day										lb/day					

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0238	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Unmitigated	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0303					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Total	0.0390	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0152					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003
Total	0.0238	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.2200e-003	5.2200e-003	1.0000e-005		5.5600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 PA Mitigated - Orange County, Summer

**JWA Phase 15 PA Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	191.81	1000sqft	4.40	191,808.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating - * low VOC Paint (Parking) based on Sherwin Williams Pro-Park Waterborne Traffic Marking Paint specs: <https://www.sherwin-williams.com/document/DDS/en/025777081000/>

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Area Coating - * low VOC Paint (Parking) based on Sherwin Williams Pro-Park Waterborne Traffic Marking Paint specs: <https://www.sherwin-williams.com/document/DDS/en/025777081000/>
 Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - * low VOC Paint (Parking) based on Sherwin Williams Pro-Park Waterborne Traffic Marking Paint specs: <https://www.sherwin-williams.com/document/DDS/en/025777081000/>
 Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	64.00
tblLandUse	LandUseSquareFeet	191,810.00	191,808.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0585	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	26.8857	7.5598	12.6093	0.0207	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	26.8857	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.4582	0.9809	13.9918	0.0207	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	26.7445	0.9786	13.9638	0.0207	0.2236	0.0306	0.2541	0.0593	0.0305	0.0898	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	26.7445	0.9809	13.9918	0.0207	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.65	87.04	-10.73	0.00	0.00	91.35	55.97	0.00	90.68	76.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0770	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0770	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	10/16/2025	1/13/2026	5	64	
2	New Marking - 15	Architectural Coating	1/14/2026	1/14/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.4

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,508

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3996	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3996	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.6698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	26.8407	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108
Total	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.6698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	26.6995	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108

Total	0.0450	0.0222	0.3452	1.3900e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		138.4541	138.4541	2.2700e-003		138.5108
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Unmitigated	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.3100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.0771	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.3100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.0771	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 PA Mitigated - Orange County, Winter

**JWA Phase 15 PA Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	191.81	1000sqft	4.40	191,808.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating - * low VOC Paint (Parking) based on Sherwin Williams Pro-Park Waterborne Traffic Marking Paint specs: <https://www.sherwin-williams.com/document/DDS/en/025777001000/>

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Area Coating - * low VOC Paint (Parking) based on Sherwin Williams Pro-Park Waterborne Traffic Marking Paint specs: <https://www.sherwin-williams.com/document/DDS/en/025777081000/>
 Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - * low VOC Paint (Parking) based on Sherwin Williams Pro-Park Waterborne Traffic Marking Paint specs: <https://www.sherwin-williams.com/document/DDS/en/025777081000/>
 Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	64.00
tblLandUse	LandUseSquareFeet	191,810.00	191,808.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0671	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4
2026	26.8924	7.5625	12.5737	0.0206	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,969.220 3	1,969.2203	0.5699	0.0000	1,983.468 6
Maximum	26.8924	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.4668	0.9839	13.9542	0.0206	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4
2026	26.7512	0.9813	13.9283	0.0206	0.2236	0.0306	0.2541	0.0593	0.0305	0.0898	0.0000	1,969.220 3	1,969.2203	0.5699	0.0000	1,983.468 6
Maximum	26.7512	0.9839	13.9542	0.0206	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.65	87.01	-10.76	0.00	0.00	91.35	55.97	0.00	90.68	76.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0770	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0770	1.8000e-004	0.0195	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004	0.0000	0.0447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	10/16/2025	1/13/2026	5	64	
2	New Marking - 15	Architectural Coating	1/14/2026	1/14/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.4

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,508

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3996	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9999	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3996	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.6698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	26.8407	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003	131.1157	
Total	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003	131.1157	

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	26.6698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	26.6995	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003		131.1157

Total	0.0517	0.0243	0.3168	1.3100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		131.0622	131.0622	2.1400e-003		131.1157
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Unmitigated	0.0770	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.3100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.0771	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.3100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0679					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8000e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447
Total	0.0771	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0420	0.0420	1.1000e-004		0.0447

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 ALT1 Mitigated - Orange County, Summer

**JWA Phase 1 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	33.00	1000sqft	0.76	33,000.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	78.46	1000sqft	1.80	78,462.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	78,460.00	78,462.00
tblTripsAndVMT	HaulingTripNumber	872.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.1172	82.1024	73.9881	0.1443	8.4913	4.3054	11.6144	1.4621	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920
Maximum	9.1172	82.1024	73.9881	0.1443	8.4913	4.3054	11.6144	1.4621	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2019	2.7026	16.3569	79.8427	0.1443	4.2273	0.2329	4.3680	0.8165	0.2290	1.0364	0.0000	14,348.87 67	14,348.876 7	2.9326	0.0000	14,422.19 20
Maximum	2.7026	16.3569	79.8427	0.1443	4.2273	0.2329	4.3680	0.8165	0.2290	1.0364	0.0000	14,348.87 67	14,348.876 7	2.9326	0.0000	14,422.19 20

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	70.36	80.08	-7.91	0.00	50.22	94.59	62.39	44.16	94.30	78.51	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Total	2.6308	4.6531	15.0426	0.0556	4.6475	0.0729	4.7204	1.2428	0.0696	1.3124		5,793.9012	5,793.9012	0.2326	5.8600e-003	5,801.4609

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Total	2.6308	4.6531	15.0426	0.0556	4.6475	0.0729	4.7204	1.2428	0.0696	1.3124		5,793.9012	5,793.9012	0.2326	5.8600e-003	5,801.4609

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	2/15/2019	5	27	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20

Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9903	0.0000	6.9903	1.0584	0.0000	1.0584			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	6.9903	1.7949	8.7852	1.0584	1.6697	2.7281		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.7262	0.0000	2.7262	0.4128	0.0000	0.4128			0.0000				0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618			3,843.4451
Total	0.4623	2.0032	23.2798	0.0388	2.7262	0.0616	2.7878	0.4128	0.0616	0.4744	0.0000	3,816.8994	3,816.8994	1.0618			3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313			2,607.3635

Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4079	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4234	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Unmitigated	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	363.99	81.18	34.65	890,863	890,863
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	594.00	124.74	57.09	1,660,150	1,660,150

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
NaturalGas Unmitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	826.356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.826356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Unmitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 ALT1 Mitigated - Orange County, Winter

**JWA Phase 1 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	33.00	1000sqft	0.76	33,000.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	78.46	1000sqft	1.80	78,462.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	78,460.00	78,462.00
tblTripsAndVMT	HaulingTripNumber	872.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.2480	82.1718	73.6245	0.1425	8.4913	4.3065	11.6149	1.4621	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406
Maximum	9.2480	82.1718	73.6245	0.1425	8.4913	4.3065	11.6149	1.4621	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2019	2.8334	16.4262	79.4791	0.1425	4.2273	0.2340	4.3685	0.8165	0.2301	1.0375	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406
Maximum	2.8334	16.4262	79.4791	0.1425	4.2273	0.2340	4.3685	0.8165	0.2301	1.0375	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	69.36	80.01	-7.95	0.00	50.22	94.57	62.39	44.16	94.27	78.49	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Total	2.6150	4.7988	14.3520	0.0532	4.6475	0.0731	4.7206	1.2428	0.0698	1.3126		5,549.7105	5,549.7105	0.2310	5.8600e-003	5,557.2321

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Total	2.6150	4.7988	14.3520	0.0532	4.6475	0.0731	4.7206	1.2428	0.0698	1.3126		5,549.7105	5,549.7105	0.2310	5.8600e-003	5,557.2321

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	2/15/2019	5	27	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20

Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.9903	0.0000	6.9903	1.0584	0.0000	1.0584			0.0000				0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618			3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	6.9903	1.7949	8.7852	1.0584	1.6697	2.7281		3,816.8994	3,816.8994	1.0618			3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003			159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003			159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7262	0.0000	2.7262	0.4128	0.0000	0.4128			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.4623	2.0032	23.2798	0.0388	2.7262	0.0616	2.7878	0.4128	0.0616	0.4744	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946			1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255			1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201			2,075.5875

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313			2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313			2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4079	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4234	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Unmitigated	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	363.99	81.18	34.65	890,863	890,863
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	594.00	124.74	57.09	1,660,150	1,660,150

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
NaturalGas Unmitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	826.356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.826356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Unmitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B ALT1 Mitigated - Orange County, Summer

**JWA Phases 1A-1B ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	43.04	1000sqft	0.99	43,038.00	0
Other Non-Asphalt Surfaces	48.38	1000sqft	1.11	48,384.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - * Defined in project schedule or ROM estimate

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	5485	6301
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	10.00	32.00

tblLandUse	LandUseSquareFeet	43,040.00	43,038.00
tblLandUse	LandUseSquareFeet	48,380.00	48,384.00
tblTripsAndVMT	HaulingTripNumber	196.00	0.00
tblTripsAndVMT	HaulingTripNumber	220.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.6942	76.7198	50.5457	0.0892	9.2845	4.1135	13.3980	3.9551	3.8039	7.7590	0.0000	8,796.6047	8,796.6047	2.3473	0.0000	8,855.2871
2020	4.1365	42.3438	30.3484	0.0504	7.8919	2.1443	10.0362	3.5996	1.9887	5.5882	0.0000	4,866.4205	4,866.4205	1.2483	0.0000	4,897.6230
Maximum	7.6942	76.7198	50.5457	0.0892	9.2845	4.1135	13.3980	3.9551	3.8039	7.7590	0.0000	8,796.6047	8,796.6047	2.3473	0.0000	8,855.2871

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.3029	4.3576	51.9058	0.0892	4.6273	0.1334	4.7607	1.8009	0.1329	1.9338	0.0000	8,796.6047	8,796.6047	2.3473	0.0000	8,855.2870
2020	0.7177	2.4128	31.6381	0.0504	3.2347	0.0742	3.3075	1.4454	0.0739	1.5181	0.0000	4,866.4205	4,866.4205	1.2483	0.0000	4,897.6230
Maximum	1.3029	4.3576	51.9058	0.0892	4.6273	0.1334	4.7607	1.8009	0.1329	1.9338	0.0000	8,796.6047	8,796.6047	2.3473	0.0000	8,855.2870

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	82.92	94.31	-3.28	0.00	54.23	96.68	65.57	57.03	96.43	74.14	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	10/16/2019	5	20	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area PavementM - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	
6	Construction of Tie-Down Area Pavement - 1B	Paving	2/27/2020	4/10/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Cement and Mortar Mixers	0		9	0.56
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Pavers	0		130	0.42
Demolition - 1A	Paving Equipment	0		132	0.36
Demolition - 1A	Rollers	0		80	0.38
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Subgrade - 1A	Concrete/Industrial Saws	0			81	0.73
Subgrade - 1A	Graders	1	8.00		187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00		81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
PavementM - 1A	Graders	0			187	0.41
PavementM - 1A	Pavers	1	8.00		130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00		132	0.36
PavementM - 1A	Rollers	2	8.00		80	0.38
Construction of Tie-Down Area	Rubber Tired Dozers	0			247	0.40
PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
PavementM - 1A	Graders	1	8.00		187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
Pavement - 1B	Pavers	1	8.00		130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00		132	0.36
Pavement - 1B	Rollers	2	8.00		80	0.38
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Pavement - 1B	Tractors/Loaders/Backhoes	1	8.00		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area Pavement	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1182	0.0000	2.1182	0.3207	0.0000	0.3207			0.0000			0.0000
Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324		3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	2.1182	1.7544	3.8726	0.3207	1.6324	1.9531		3,283.3453	3,283.3453	0.8930		3,305.6708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		225.2281	225.2281	5.5400e-003		225.3665
Total	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		225.2281	225.2281	5.5400e-003		225.3665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8261	0.0000	0.8261	0.1251	0.0000	0.1251			0.0000			0.0000
Off-Road	0.3950	1.7117	21.7446	0.0334		0.0527	0.0527		0.0527	0.0527	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708
Total	0.3950	1.7117	21.7446	0.0334	0.8261	0.0527	0.8788	0.1251	0.0527	0.1778	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		225.2281	225.2281	5.5400e-003		225.3665

Total	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		225.2281	225.2281	5.5400e-003		225.3665
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3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000				0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800		3,424.8806	3,424.8806	1.0836			3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	6.5523	1.9348	8.4871	3.3675	1.7800	5.1475		3,424.8806	3,424.8806	1.0836			3,451.9705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003			405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003			405.6597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.4232	1.8337	18.8393	0.0346		0.0564	0.0564		0.0564	0.0564	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705
Total	0.4232	1.8337	18.8393	0.0346	2.5554	0.0564	2.6118	1.3133	0.0564	1.3697	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000	
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017			2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0824	1.2863	2.3687	0.1639	1.2017	1.3656			2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003			146.4882
Total	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003			146.4882

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000	
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011			2,375.7475
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,360.7197	2,360.7197	0.6011			2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.0824	1.1525	2.2349	0.1639	1.0761	1.2400		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003	141.7864	
Total	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003	141.7864	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864

Total	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
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3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393
Total	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393
Total	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.5523	0.9902	7.5425	3.3675	0.9110	4.2784		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
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3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Unmitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B ALT1 Mitigated - Orange County, Winter

**JWA Phases 1A-1B ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	43.04	1000sqft	0.99	43,038.00	0
Other Non-Asphalt Surfaces	48.38	1000sqft	1.11	48,384.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - * Defined in project schedule or ROM estimate

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	5485	6301
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	10.00	32.00

tblLandUse	LandUseSquareFeet	43,040.00	43,038.00
tblLandUse	LandUseSquareFeet	48,380.00	48,384.00
tblTripsAndVMT	HaulingTripNumber	196.00	0.00
tblTripsAndVMT	HaulingTripNumber	220.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.7391	76.7426	50.3207	0.0887	9.2845	4.1135	13.3980	3.9551	3.8039	7.7590	0.0000	8,745.2931	8,745.2931	2.3461	0.0000	8,803.9451
2020	4.1480	42.3493	30.2270	0.0501	7.8919	2.1443	10.0362	3.5996	1.9887	5.5882	0.0000	4,837.7935	4,837.7935	1.2480	0.0000	4,868.9800
Maximum	7.7391	76.7426	50.3207	0.0887	9.2845	4.1135	13.3980	3.9551	3.8039	7.7590	0.0000	8,745.2931	8,745.2931	2.3461	0.0000	8,803.9451

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.3478	4.3804	51.6809	0.0887	4.6273	0.1334	4.7607	1.8009	0.1329	1.9338	0.0000	8,745.2930	8,745.2930	2.3461	0.0000	8,803.9451
2020	0.7422	2.4246	31.5166	0.0501	3.2347	0.0742	3.3075	1.4454	0.0739	1.5181	0.0000	4,837.7935	4,837.7935	1.2480	0.0000	4,868.9800
Maximum	1.3478	4.3804	51.6809	0.0887	4.6273	0.1334	4.7607	1.8009	0.1329	1.9338	0.0000	8,745.2930	8,745.2930	2.3461	0.0000	8,803.9451

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	82.42	94.29	-3.29	0.00	54.23	96.68	65.57	57.03	96.43	74.14	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	10/16/2019	5	20	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area Pavement - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	
6	Construction of Tie-Down Area Pavement - 1B	Paving	2/27/2020	4/10/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Cement and Mortar Mixers	0		9	0.56
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Pavers	0		130	0.42
Demolition - 1A	Paving Equipment	0		132	0.36
Demolition - 1A	Rollers	0		80	0.38
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Subgrade - 1A	Concrete/Industrial Saws	0			81	0.73
Subgrade - 1A	Graders	1	8.00		187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00		81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
PavementM - 1A	Graders	0			187	0.41
PavementM - 1A	Pavers	1	8.00		130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00		132	0.36
PavementM - 1A	Rollers	2	8.00		80	0.38
Construction of Tie-Down Area	Rubber Tired Dozers	0			247	0.40
PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
PavementM - 1A	Graders	1	8.00		187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
Pavement - 1B	Pavers	1	8.00		130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00		132	0.36
Pavement - 1B	Rollers	2	8.00		80	0.38
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Pavement - 1B	Tractors/Loaders/Backhoes	1	8.00		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area Pavement	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1182	0.0000	2.1182	0.3207	0.0000	0.3207			0.0000			0.0000
Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324		3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	2.1182	1.7544	3.8726	0.3207	1.6324	1.9531		3,283.3453	3,283.3453	0.8930		3,305.6708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		213.1547	213.1547	5.2500e-003		213.2860
Total	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		213.1547	213.1547	5.2500e-003		213.2860

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8261	0.0000	0.8261	0.1251	0.0000	0.1251			0.0000			0.0000
Off-Road	0.3950	1.7117	21.7446	0.0334		0.0527	0.0527		0.0527	0.0527	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708
Total	0.3950	1.7117	21.7446	0.0334	0.8261	0.0527	0.8788	0.1251	0.0527	0.1778	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		213.1547	213.1547	5.2500e-003		213.2860

Total	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		213.1547	213.1547	5.2500e-003		213.2860
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3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000				0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800		3,424.8806	3,424.8806	1.0836			3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	6.5523	1.9348	8.4871	3.3675	1.7800	5.1475		3,424.8806	3,424.8806	1.0836			3,451.9705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003			383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003			383.9149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.4232	1.8337	18.8393	0.0346		0.0564	0.0564		0.0564	0.0564	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705
Total	0.4232	1.8337	18.8393	0.0346	2.5554	0.0564	2.6118	1.3133	0.0564	1.3697	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0824	1.2863	2.3687	0.1639	1.2017	1.3656		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.0824	1.1525	2.2349	0.1639	1.0761	1.2400		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873
Total	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873

Total	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873
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3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955
Total	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955
Total	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.5523	0.9902	7.5425	3.3675	0.9110	4.2784		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003	103.2210	
Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003	103.2210	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210

Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210
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3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Unmitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 ALT1 Mitigated - Orange County, Summer

**JWA Phase 2 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	124.20	1000sqft	2.85	124,200.00	0
Parking Lot	71.22	1000sqft	1.63	71,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	31063	33000
tblAreaCoating	Area_Nonresidential_Interior	93188	99000
tblAreaCoating	Area_Parking	11725	10378
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02

tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004

tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	71,220.00	71,217.00
tblSolidWaste	SolidWasteGenerationRate	27.09	30.69
tblTripsAndVMT	HaulingTripNumber	711.00	0.00
tblVehicleEF	HHD	0.63	0.68
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	2.36	2.50
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	3.99	4.02
tblVehicleEF	HHD	4,116.44	4,165.36
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.04	21.32
tblVehicleEF	HHD	3.96	4.38
tblVehicleEF	HHD	19.26	19.32
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004

tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.57	0.60
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9200e-004	1.9100e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.68	0.72
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	HHD	0.59	0.64
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	1.72	1.82
tblVehicleEF	HHD	1.30	1.29
tblVehicleEF	HHD	3.80	3.83
tblVehicleEF	HHD	4,359.67	4,410.69
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.68	21.99
tblVehicleEF	HHD	3.75	4.15
tblVehicleEF	HHD	19.25	19.31
tblVehicleEF	HHD	0.02	0.02

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.54	0.57
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8900e-004	1.8800e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.64	0.68
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.68	0.73
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	3.25	3.44

tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	4.03	4.06
tblVehicleEF	HHD	3,780.54	3,826.56
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	19.16	20.38
tblVehicleEF	HHD	3.89	4.31
tblVehicleEF	HHD	19.27	19.33
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.61	0.65
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9300e-004	1.9200e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003

tblVehicleEF	HHD	0.73	0.77
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	LDA	4.3340e-003	4.7780e-003
tblVehicleEF	LDA	5.1760e-003	5.9450e-003
tblVehicleEF	LDA	0.58	0.62
tblVehicleEF	LDA	1.10	1.22
tblVehicleEF	LDA	263.86	274.63
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6420e-003	2.7500e-003
tblVehicleEF	LDA	6.0200e-004	6.2500e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04

tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	4.5760e-003	5.0430e-003
tblVehicleEF	LDA	4.6500e-003	5.3400e-003
tblVehicleEF	LDA	0.63	0.67
tblVehicleEF	LDA	0.95	1.06
tblVehicleEF	LDA	274.96	286.20
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	2.7540e-003	2.8670e-003
tblVehicleEF	LDA	5.9900e-004	6.2300e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	4.2520e-003	4.6870e-003
tblVehicleEF	LDA	5.2830e-003	6.0690e-003
tblVehicleEF	LDA	0.56	0.60

tblVehicleEF	LDA	1.13	1.26
tblVehicleEF	LDA	259.76	270.36
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6010e-003	2.7070e-003
tblVehicleEF	LDA	6.0200e-004	6.2600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDT1	9.9920e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.19	1.30
tblVehicleEF	LDT1	2.74	3.03
tblVehicleEF	LDT1	324.21	333.96
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12

tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	3.2560e-003	3.3550e-003
tblVehicleEF	LDT1	7.6600e-004	7.8900e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.28	1.40
tblVehicleEF	LDT1	2.36	2.61
tblVehicleEF	LDT1	337.31	347.44
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003

tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	3.3880e-003	3.4910e-003
tblVehicleEF	LDT1	7.5900e-004	7.8100e-004
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	9.8200e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.16	1.26
tblVehicleEF	LDT1	2.82	3.12
tblVehicleEF	LDT1	319.38	328.99
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11

tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.19	0.22
tblVehicleEF	LDT1	3.2070e-003	3.3050e-003
tblVehicleEF	LDT1	7.6700e-004	7.9000e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT2	5.7840e-003	6.2570e-003
tblVehicleEF	LDT2	6.6620e-003	7.5390e-003
tblVehicleEF	LDT2	0.74	0.79
tblVehicleEF	LDT2	1.41	1.57
tblVehicleEF	LDT2	369.26	381.95
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6980e-003	3.8250e-003

tblVehicleEF	LDT2	8.4100e-004	8.6900e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	6.1050e-003	6.6030e-003
tblVehicleEF	LDT2	5.9960e-003	6.7840e-003
tblVehicleEF	LDT2	0.80	0.86
tblVehicleEF	LDT2	1.22	1.36
tblVehicleEF	LDT2	384.42	397.64
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	3.8500e-003	3.9830e-003
tblVehicleEF	LDT2	8.3800e-004	8.6500e-004
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	5.6750e-003	6.1400e-003
tblVehicleEF	LDT2	6.7990e-003	7.6940e-003
tblVehicleEF	LDT2	0.72	0.76
tblVehicleEF	LDT2	1.45	1.61
tblVehicleEF	LDT2	363.66	376.16
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6420e-003	3.7670e-003
tblVehicleEF	LDT2	8.4100e-004	8.7000e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.78	0.86
tblVehicleEF	LHD1	2.55	2.73
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.27	1.37
tblVehicleEF	LHD1	1.04	1.09
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7900e-004	3.9400e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.79	0.87
tblVehicleEF	LHD1	2.44	2.61
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.19	1.29
tblVehicleEF	LHD1	1.00	1.04
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.06	0.07

tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.26	0.28
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7700e-004	3.9200e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.28	0.30
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.77	0.86
tblVehicleEF	LHD1	2.56	2.74
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.24	1.34
tblVehicleEF	LHD1	1.05	1.10
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01

tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.8000e-004	3.9400e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2710e-003	4.8900e-003
tblVehicleEF	LHD2	9.4470e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.51
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.87	1.00
tblVehicleEF	LHD2	0.60	0.65
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.3220e-003	4.9510e-003
tblVehicleEF	LHD2	9.1410e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.37	0.42
tblVehicleEF	LHD2	1.32	1.45
tblVehicleEF	LHD2	13.67	13.66

tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.82	0.95
tblVehicleEF	LHD2	0.58	0.63
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
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tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.0900e-004	3.2200e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003

tblVehicleEF	LHD2	4.2570e-003	4.8740e-003
tblVehicleEF	LHD2	9.5090e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.52
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.85	0.99
tblVehicleEF	LHD2	0.61	0.66
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.61	18.92
tblVehicleEF	MCY	9.56	9.54
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.38	2.40
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.05	2.07
tblVehicleEF	MCY	2.1510e-003	2.1490e-003
tblVehicleEF	MCY	6.7000e-004	6.7400e-004
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.95	2.97
tblVehicleEF	MCY	0.65	0.67

tblVehicleEF	MCY	2.24	2.25
tblVehicleEF	MCY	0.47	0.47
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	17.91	18.20
tblVehicleEF	MCY	8.81	8.80
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	1.85	1.86
tblVehicleEF	MCY	2.1380e-003	2.1360e-003
tblVehicleEF	MCY	6.5100e-004	6.5500e-004
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.89	2.89
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	2.01	2.02
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.72	19.03

tblVehicleEF	MCY	9.67	9.65
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.39	2.41
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.09	2.11
tblVehicleEF	MCY	2.1530e-003	2.1510e-003
tblVehicleEF	MCY	6.7300e-004	6.7700e-004
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.97	2.98
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.28	2.29
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	1.26	1.39
tblVehicleEF	MDV	2.62	2.88
tblVehicleEF	MDV	500.02	514.66
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.14	0.15

tblVehicleEF	MDV	0.24	0.27
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	5.0080e-003	5.1570e-003
tblVehicleEF	MDV	1.1270e-003	1.1610e-003
tblVehicleEF	MDV	0.07	0.07
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tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	1.36	1.50
tblVehicleEF	MDV	2.27	2.50
tblVehicleEF	MDV	519.96	535.20
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.23	0.26
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003

tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.18	0.20
tblVehicleEF	MDV	5.2090e-003	5.3640e-003
tblVehicleEF	MDV	1.1210e-003	1.1540e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.23	1.35
tblVehicleEF	MDV	2.69	2.96
tblVehicleEF	MDV	492.66	507.08
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.13	0.15
tblVehicleEF	MDV	0.25	0.28
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07

tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.23
tblVehicleEF	MDV	4.9340e-003	5.0800e-003
tblVehicleEF	MDV	1.1290e-003	1.1620e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.15	2.58
tblVehicleEF	MH	5.50	5.94
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.43	1.52
tblVehicleEF	MH	0.78	0.81
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7000e-004	6.9200e-004
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.39
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.21	2.62
tblVehicleEF	MH	5.21	5.63
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.33	1.41
tblVehicleEF	MH	0.75	0.78
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.31	0.34
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.6500e-004	6.8600e-004
tblVehicleEF	MH	1.28	1.37

tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.34	0.38
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.13	2.56
tblVehicleEF	MH	5.54	5.98
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.40	1.49
tblVehicleEF	MH	0.79	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7100e-004	6.9200e-004
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.12	0.14

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.40
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2090e-003	7.0470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.36	0.43
tblVehicleEF	MHD	0.33	0.52
tblVehicleEF	MHD	6.12	6.64
tblVehicleEF	MHD	141.40	144.07
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.54	0.91
tblVehicleEF	MHD	1.18	1.91
tblVehicleEF	MHD	10.59	10.60
tblVehicleEF	MHD	2.3000e-004	2.6680e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.2000e-004	2.5520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.3610e-003	1.3870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.2900e-004

tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.41	0.45
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2610e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.26	0.32
tblVehicleEF	MHD	0.34	0.52
tblVehicleEF	MHD	5.83	6.33
tblVehicleEF	MHD	149.77	152.59
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.56	0.94
tblVehicleEF	MHD	1.12	1.81
tblVehicleEF	MHD	10.55	10.56
tblVehicleEF	MHD	1.9400e-004	2.2490e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	1.8500e-004	2.1520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.04	0.09

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.36	0.39
tblVehicleEF	MHD	1.4400e-003	1.4670e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0900e-004	7.2300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.40	0.43
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1930e-003	7.0270e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.50	0.60
tblVehicleEF	MHD	0.33	0.51
tblVehicleEF	MHD	6.17	6.70
tblVehicleEF	MHD	129.83	132.28
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.52	0.87
tblVehicleEF	MHD	1.16	1.88
tblVehicleEF	MHD	10.60	10.61
tblVehicleEF	MHD	2.8000e-004	3.2460e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.6800e-004	3.1060e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004

tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.2520e-003	1.2760e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1500e-004	7.3000e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.42	0.45
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.4360e-003	9.6820e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	0.58	0.66
tblVehicleEF	OBUS	5.60	5.92
tblVehicleEF	OBUS	84.68	84.60
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
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tblVehicleEF	OBUS	2.11	2.16
tblVehicleEF	OBUS	1.4500e-004	2.1500e-004

tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.3900e-004	2.0600e-004
tblVehicleEF	OBUS	7.0420e-003	8.3600e-003
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tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	8.0700e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.41
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.5800e-003	9.8490e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.27
tblVehicleEF	OBUS	0.58	0.67
tblVehicleEF	OBUS	5.31	5.62
tblVehicleEF	OBUS	88.70	88.61
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26

tblVehicleEF	OBUS	0.43	0.48
tblVehicleEF	OBUS	1.35	1.62
tblVehicleEF	OBUS	2.08	2.12
tblVehicleEF	OBUS	1.2200e-004	1.8100e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.1700e-004	1.7400e-004
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tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.34	0.36
tblVehicleEF	OBUS	8.5900e-004	8.5800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9100e-004	8.0100e-004
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.37	0.40
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3930e-003	9.6320e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.30

tblVehicleEF	OBUS	0.57	0.65
tblVehicleEF	OBUS	5.64	5.97
tblVehicleEF	OBUS	79.14	79.07
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
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tblVehicleEF	OBUS	2.12	2.17
tblVehicleEF	OBUS	1.7600e-004	2.6200e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.6900e-004	2.5100e-004
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tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.38
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.42

tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.16	8.02
tblVehicleEF	SBUS	1.19	1.27
tblVehicleEF	SBUS	9.61	9.90
tblVehicleEF	SBUS	1,131.05	1,146.39
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tblVehicleEF	SBUS	54.18	52.78
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tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.52
tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	7.0800e-004	7.0000e-004

tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
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tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
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tblVehicleEF	SBUS	0.56	0.57
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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
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tblVehicleEF	SBUS	0.98	0.97

tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
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tblVehicleEF	SBUS	54.18	52.78
tblVehicleEF	SBUS	9.36	10.02
tblVehicleEF	SBUS	4.57	4.95
tblVehicleEF	SBUS	12.51	12.80
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.99	0.98
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.53
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1100e-004	7.0200e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.41
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.58
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.96	9.40
tblVehicleEF	UBUS	13.19	13.37
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.82	5.44
tblVehicleEF	UBUS	13.49	13.69
tblVehicleEF	UBUS	0.53	0.54

tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	0.53	0.57
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.96	0.97
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5700e-003	1.5510e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	2.52	2.69
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	1.06
tblVehicleEF	UBUS	1.94	2.06
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	9.02	9.46
tblVehicleEF	UBUS	11.63	11.79
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.53	5.12
tblVehicleEF	UBUS	13.42	13.62
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003

tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	0.53	0.58
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.89	0.90
tblVehicleEF	UBUS	8.6450e-003	8.7590e-003
tblVehicleEF	UBUS	1.5430e-003	1.5230e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	2.53	2.70
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.95	9.39
tblVehicleEF	UBUS	13.46	13.64
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.73	5.34
tblVehicleEF	UBUS	13.51	13.71
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04

tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	0.52	0.57
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5750e-003	1.5550e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	2.52	2.68
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.07	1.08
tblWater	IndoorWaterUseRate	5,177,384.08	5,865,213.68
tblWater	OutdoorWaterUseRate	3,173,235.40	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.6848	80.8688	65.1248	0.1382	6.3951	3.9551	10.3502	1.3277	3.7015	5.0291	0.0000	13,583.9122	13,583.9122	2.5438	0.0000	13,647.5064
Maximum	8.6848	80.8688	65.1248	0.1382	6.3951	3.9551	10.3502	1.3277	3.7015	5.0291	0.0000	13,583.9122	13,583.9122	2.5438	0.0000	13,647.5064

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.4600	22.9475	69.2689	0.1382	4.3556	0.4843	4.8399	1.0189	0.4810	1.4999	0.0000	13,583.9122	13,583.9122	2.5438	0.0000	13,647.5064
Maximum	2.4600	22.9475	69.2689	0.1382	4.3556	0.4843	4.8399	1.0189	0.4810	1.4999	0.0000	13,583.9122	13,583.9122	2.5438	0.0000	13,647.5064

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	71.67	71.62	-6.36	0.00	31.89	87.75	53.24	23.26	87.01	70.18	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122
Total	2.4899	4.3549	14.0880	0.0521	4.3558	0.0688	4.4246	1.1648	0.0658	1.2306		5,437.1799	5,437.1799	0.2179	5.6500e-003	5,444.3104

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004			0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003		309.9381
Mobile	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118			5,134.3122
Total	2.4899	4.3549	14.0880	0.0521	4.3558	0.0688	4.4246	1.1648	0.0658	1.2306		5,437.1799	5,437.1799	0.2179	5.6500e-003		5,444.3104

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 2	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 2	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 2	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of New Sheriff Office - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3434	0.0000	3.3434	0.5062	0.0000	0.5062			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	3.3434	1.6587	5.0021	0.5062	1.5419	2.0481		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003	163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003	163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3039	0.0000	1.3039	0.1974	0.0000	0.1974			0.0000			0.0000
Off-Road	0.6714	9.1825	24.6739	0.0388		0.3404	0.3404		0.3404	0.3404	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.6714	9.1825	24.6739	0.0388	1.3039	0.3404	1.6444	0.1974	0.3404	0.5379	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991	1,138.7415	1,138.7415	0.0921		1,141.0440	
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184	1,144.5458	1,144.5458	0.0261		1,145.1981	
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175	2,283.2873	2,283.2873	0.1182		2,286.2421	

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003			163.5997

Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3991	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4139	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122

Unmitigated	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129,016	5,129,016	0.2118		5,134,312
												3				2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Unmitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 ALT1 Mitigated - Orange County, Winter

**JWA Phase 2 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	124.20	1000sqft	2.85	124,200.00	0
Parking Lot	71.22	1000sqft	1.63	71,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	31063	33000
tblAreaCoating	Area_Nonresidential_Interior	93188	99000
tblAreaCoating	Area_Parking	11725	10378
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02

tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004

tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	71,220.00	71,217.00
tblSolidWaste	SolidWasteGenerationRate	27.09	30.69
tblTripsAndVMT	HaulingTripNumber	711.00	0.00
tblVehicleEF	HHD	0.63	0.68
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	2.36	2.50
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	3.99	4.02
tblVehicleEF	HHD	4,116.44	4,165.36
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.04	21.32
tblVehicleEF	HHD	3.96	4.38
tblVehicleEF	HHD	19.26	19.32
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004

tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.57	0.60
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9200e-004	1.9100e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.68	0.72
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	HHD	0.59	0.64
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	1.72	1.82
tblVehicleEF	HHD	1.30	1.29
tblVehicleEF	HHD	3.80	3.83
tblVehicleEF	HHD	4,359.67	4,410.69
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.68	21.99
tblVehicleEF	HHD	3.75	4.15
tblVehicleEF	HHD	19.25	19.31
tblVehicleEF	HHD	0.02	0.02

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.54	0.57
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8900e-004	1.8800e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.64	0.68
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.68	0.73
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	3.25	3.44

tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	4.03	4.06
tblVehicleEF	HHD	3,780.54	3,826.56
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	19.16	20.38
tblVehicleEF	HHD	3.89	4.31
tblVehicleEF	HHD	19.27	19.33
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.61	0.65
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9300e-004	1.9200e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003

tblVehicleEF	HHD	0.73	0.77
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	LDA	4.3340e-003	4.7780e-003
tblVehicleEF	LDA	5.1760e-003	5.9450e-003
tblVehicleEF	LDA	0.58	0.62
tblVehicleEF	LDA	1.10	1.22
tblVehicleEF	LDA	263.86	274.63
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6420e-003	2.7500e-003
tblVehicleEF	LDA	6.0200e-004	6.2500e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04

tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	4.5760e-003	5.0430e-003
tblVehicleEF	LDA	4.6500e-003	5.3400e-003
tblVehicleEF	LDA	0.63	0.67
tblVehicleEF	LDA	0.95	1.06
tblVehicleEF	LDA	274.96	286.20
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	2.7540e-003	2.8670e-003
tblVehicleEF	LDA	5.9900e-004	6.2300e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	4.2520e-003	4.6870e-003
tblVehicleEF	LDA	5.2830e-003	6.0690e-003
tblVehicleEF	LDA	0.56	0.60

tblVehicleEF	LDA	1.13	1.26
tblVehicleEF	LDA	259.76	270.36
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6010e-003	2.7070e-003
tblVehicleEF	LDA	6.0200e-004	6.2600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDT1	9.9920e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.19	1.30
tblVehicleEF	LDT1	2.74	3.03
tblVehicleEF	LDT1	324.21	333.96
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12

tblVehicleEF	LDT1	0.16	0.18
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	3.2560e-003	3.3550e-003
tblVehicleEF	LDT1	7.6600e-004	7.8900e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.28	1.40
tblVehicleEF	LDT1	2.36	2.61
tblVehicleEF	LDT1	337.31	347.44
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003

tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	3.3880e-003	3.4910e-003
tblVehicleEF	LDT1	7.5900e-004	7.8100e-004
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	9.8200e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.16	1.26
tblVehicleEF	LDT1	2.82	3.12
tblVehicleEF	LDT1	319.38	328.99
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11

tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.19	0.22
tblVehicleEF	LDT1	3.2070e-003	3.3050e-003
tblVehicleEF	LDT1	7.6700e-004	7.9000e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT2	5.7840e-003	6.2570e-003
tblVehicleEF	LDT2	6.6620e-003	7.5390e-003
tblVehicleEF	LDT2	0.74	0.79
tblVehicleEF	LDT2	1.41	1.57
tblVehicleEF	LDT2	369.26	381.95
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6980e-003	3.8250e-003

tblVehicleEF	LDT2	8.4100e-004	8.6900e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	6.1050e-003	6.6030e-003
tblVehicleEF	LDT2	5.9960e-003	6.7840e-003
tblVehicleEF	LDT2	0.80	0.86
tblVehicleEF	LDT2	1.22	1.36
tblVehicleEF	LDT2	384.42	397.64
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	3.8500e-003	3.9830e-003
tblVehicleEF	LDT2	8.3800e-004	8.6500e-004
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	5.6750e-003	6.1400e-003
tblVehicleEF	LDT2	6.7990e-003	7.6940e-003
tblVehicleEF	LDT2	0.72	0.76
tblVehicleEF	LDT2	1.45	1.61
tblVehicleEF	LDT2	363.66	376.16
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6420e-003	3.7670e-003
tblVehicleEF	LDT2	8.4100e-004	8.7000e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.78	0.86
tblVehicleEF	LHD1	2.55	2.73
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.27	1.37
tblVehicleEF	LHD1	1.04	1.09
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7900e-004	3.9400e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.79	0.87
tblVehicleEF	LHD1	2.44	2.61
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.19	1.29
tblVehicleEF	LHD1	1.00	1.04
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.06	0.07

tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.26	0.28
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7700e-004	3.9200e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.28	0.30
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.77	0.86
tblVehicleEF	LHD1	2.56	2.74
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.24	1.34
tblVehicleEF	LHD1	1.05	1.10
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01

tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.8000e-004	3.9400e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2710e-003	4.8900e-003
tblVehicleEF	LHD2	9.4470e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.51
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.87	1.00
tblVehicleEF	LHD2	0.60	0.65
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.3220e-003	4.9510e-003
tblVehicleEF	LHD2	9.1410e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.37	0.42
tblVehicleEF	LHD2	1.32	1.45
tblVehicleEF	LHD2	13.67	13.66

tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.82	0.95
tblVehicleEF	LHD2	0.58	0.63
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
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tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.0900e-004	3.2200e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003

tblVehicleEF	LHD2	4.2570e-003	4.8740e-003
tblVehicleEF	LHD2	9.5090e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.52
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.85	0.99
tblVehicleEF	LHD2	0.61	0.66
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.61	18.92
tblVehicleEF	MCY	9.56	9.54
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.38	2.40
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.05	2.07
tblVehicleEF	MCY	2.1510e-003	2.1490e-003
tblVehicleEF	MCY	6.7000e-004	6.7400e-004
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.95	2.97
tblVehicleEF	MCY	0.65	0.67

tblVehicleEF	MCY	2.24	2.25
tblVehicleEF	MCY	0.47	0.47
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	17.91	18.20
tblVehicleEF	MCY	8.81	8.80
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	1.85	1.86
tblVehicleEF	MCY	2.1380e-003	2.1360e-003
tblVehicleEF	MCY	6.5100e-004	6.5500e-004
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.89	2.89
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	2.01	2.02
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.72	19.03

tblVehicleEF	MCY	9.67	9.65
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.39	2.41
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.09	2.11
tblVehicleEF	MCY	2.1530e-003	2.1510e-003
tblVehicleEF	MCY	6.7300e-004	6.7700e-004
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.97	2.98
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.28	2.29
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	1.26	1.39
tblVehicleEF	MDV	2.62	2.88
tblVehicleEF	MDV	500.02	514.66
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.14	0.15

tblVehicleEF	MDV	0.24	0.27
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	5.0080e-003	5.1570e-003
tblVehicleEF	MDV	1.1270e-003	1.1610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	1.36	1.50
tblVehicleEF	MDV	2.27	2.50
tblVehicleEF	MDV	519.96	535.20
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.23	0.26
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003

tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.18	0.20
tblVehicleEF	MDV	5.2090e-003	5.3640e-003
tblVehicleEF	MDV	1.1210e-003	1.1540e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.23	1.35
tblVehicleEF	MDV	2.69	2.96
tblVehicleEF	MDV	492.66	507.08
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.13	0.15
tblVehicleEF	MDV	0.25	0.28
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07

tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.23
tblVehicleEF	MDV	4.9340e-003	5.0800e-003
tblVehicleEF	MDV	1.1290e-003	1.1620e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.15	2.58
tblVehicleEF	MH	5.50	5.94
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.43	1.52
tblVehicleEF	MH	0.78	0.81
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7000e-004	6.9200e-004
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.39
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.21	2.62
tblVehicleEF	MH	5.21	5.63
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.33	1.41
tblVehicleEF	MH	0.75	0.78
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.31	0.34
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.6500e-004	6.8600e-004
tblVehicleEF	MH	1.28	1.37

tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.34	0.38
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.13	2.56
tblVehicleEF	MH	5.54	5.98
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.40	1.49
tblVehicleEF	MH	0.79	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7100e-004	6.9200e-004
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.12	0.14

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.40
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2090e-003	7.0470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.36	0.43
tblVehicleEF	MHD	0.33	0.52
tblVehicleEF	MHD	6.12	6.64
tblVehicleEF	MHD	141.40	144.07
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.54	0.91
tblVehicleEF	MHD	1.18	1.91
tblVehicleEF	MHD	10.59	10.60
tblVehicleEF	MHD	2.3000e-004	2.6680e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.2000e-004	2.5520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.3610e-003	1.3870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.2900e-004

tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.41	0.45
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2610e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.26	0.32
tblVehicleEF	MHD	0.34	0.52
tblVehicleEF	MHD	5.83	6.33
tblVehicleEF	MHD	149.77	152.59
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.56	0.94
tblVehicleEF	MHD	1.12	1.81
tblVehicleEF	MHD	10.55	10.56
tblVehicleEF	MHD	1.9400e-004	2.2490e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	1.8500e-004	2.1520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.04	0.09

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.36	0.39
tblVehicleEF	MHD	1.4400e-003	1.4670e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0900e-004	7.2300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.40	0.43
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1930e-003	7.0270e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.50	0.60
tblVehicleEF	MHD	0.33	0.51
tblVehicleEF	MHD	6.17	6.70
tblVehicleEF	MHD	129.83	132.28
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.52	0.87
tblVehicleEF	MHD	1.16	1.88
tblVehicleEF	MHD	10.60	10.61
tblVehicleEF	MHD	2.8000e-004	3.2460e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.6800e-004	3.1060e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004

tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.2520e-003	1.2760e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1500e-004	7.3000e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.42	0.45
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.4360e-003	9.6820e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	0.58	0.66
tblVehicleEF	OBUS	5.60	5.92
tblVehicleEF	OBUS	84.68	84.60
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.42	0.47
tblVehicleEF	OBUS	1.44	1.72
tblVehicleEF	OBUS	2.11	2.16
tblVehicleEF	OBUS	1.4500e-004	2.1500e-004

tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.3900e-004	2.0600e-004
tblVehicleEF	OBUS	7.0420e-003	8.3600e-003
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tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	8.0700e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.41
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.5800e-003	9.8490e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.27
tblVehicleEF	OBUS	0.58	0.67
tblVehicleEF	OBUS	5.31	5.62
tblVehicleEF	OBUS	88.70	88.61
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26

tblVehicleEF	OBUS	0.43	0.48
tblVehicleEF	OBUS	1.35	1.62
tblVehicleEF	OBUS	2.08	2.12
tblVehicleEF	OBUS	1.2200e-004	1.8100e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.1700e-004	1.7400e-004
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tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.34	0.36
tblVehicleEF	OBUS	8.5900e-004	8.5800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9100e-004	8.0100e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.37	0.40
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3930e-003	9.6320e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.30

tblVehicleEF	OBUS	0.57	0.65
tblVehicleEF	OBUS	5.64	5.97
tblVehicleEF	OBUS	79.14	79.07
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
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tblVehicleEF	OBUS	1.41	1.68
tblVehicleEF	OBUS	2.12	2.17
tblVehicleEF	OBUS	1.7600e-004	2.6200e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.6900e-004	2.5100e-004
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tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9700e-004	8.0800e-004
tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.42

tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.16	8.02
tblVehicleEF	SBUS	1.19	1.27
tblVehicleEF	SBUS	9.61	9.90
tblVehicleEF	SBUS	1,131.05	1,146.39
tblVehicleEF	SBUS	1,090.69	1,099.72
tblVehicleEF	SBUS	54.18	52.78
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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0800e-004	7.0000e-004

tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.40
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.57
tblVehicleEF	SBUS	0.87	0.88
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tblVehicleEF	SBUS	8.04	7.89
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tblVehicleEF	SBUS	1,182.37	1,199.03
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
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tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
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tblVehicleEF	SBUS	0.98	0.97

tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
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tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
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tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
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tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.50	0.52
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tblVehicleEF	SBUS	1.18	1.27
tblVehicleEF	SBUS	9.77	10.06
tblVehicleEF	SBUS	1,060.18	1,073.69
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tblVehicleEF	SBUS	4.57	4.95
tblVehicleEF	SBUS	12.51	12.80
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.99	0.98
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.53
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1100e-004	7.0200e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.41
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.58
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.96	9.40
tblVehicleEF	UBUS	13.19	13.37
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.82	5.44
tblVehicleEF	UBUS	13.49	13.69
tblVehicleEF	UBUS	0.53	0.54

tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	0.53	0.57
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.96	0.97
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5700e-003	1.5510e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	2.52	2.69
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	1.06
tblVehicleEF	UBUS	1.94	2.06
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	9.02	9.46
tblVehicleEF	UBUS	11.63	11.79
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.53	5.12
tblVehicleEF	UBUS	13.42	13.62
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003

tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	0.53	0.58
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.89	0.90
tblVehicleEF	UBUS	8.6450e-003	8.7590e-003
tblVehicleEF	UBUS	1.5430e-003	1.5230e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	2.53	2.70
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.95	9.39
tblVehicleEF	UBUS	13.46	13.64
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.73	5.34
tblVehicleEF	UBUS	13.51	13.71
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04

tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	0.52	0.57
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5750e-003	1.5550e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	2.52	2.68
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.07	1.08
tblWater	IndoorWaterUseRate	5,177,384.08	5,865,213.68
tblWater	OutdoorWaterUseRate	3,173,235.40	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.8091	80.9198	64.7889	0.1363	6.3951	3.9559	10.3509	1.3277	3.7023	5.0299	0.0000	13,396.49 34	13,396.493 4	2.5501	0.0000	13,460.24 62
Maximum	8.8091	80.9198	64.7889	0.1363	6.3951	3.9559	10.3509	1.3277	3.7023	5.0299	0.0000	13,396.49 34	13,396.493 4	2.5501	0.0000	13,460.24 62

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.5844	22.9986	68.9331	0.1363	4.3556	0.4851	4.8407	1.0189	0.4818	1.5006	0.0000	13,396.4934	13,396.4934	2.5501	0.0000	13,460.2462
Maximum	2.5844	22.9986	68.9331	0.1363	4.3556	0.4851	4.8407	1.0189	0.4818	1.5006	0.0000	13,396.4934	13,396.4934	2.5501	0.0000	13,460.2462

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	70.66	71.58	-6.40	0.00	31.89	87.74	53.23	23.26	86.99	70.17	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296
Total	2.4751	4.4916	13.4371	0.0499	4.3558	0.0690	4.4248	1.1648	0.0660	1.2307		5,208.4339	5,208.4339	0.2164	5.6500e-003	5,215.5278

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296
Total	2.4751	4.4916	13.4371	0.0499	4.3558	0.0690	4.4248	1.1648	0.0660	1.2307		5,208.4339	5,208.4339	0.2164	5.6500e-003	5,215.5278

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 2	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 2	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 2	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of New Sheriff Office - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3434	0.0000	3.3434	0.5062	0.0000	0.5062			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	3.3434	1.6587	5.0021	0.5062	1.5419	2.0481		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003	154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003	154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3039	0.0000	1.3039	0.1974	0.0000	0.1974			0.0000			0.0000
Off-Road	0.6714	9.1825	24.6739	0.0388		0.3404	0.3404		0.3404	0.3404	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.6714	9.1825	24.6739	0.0388	1.3039	0.3404	1.6444	0.1974	0.3404	0.5379	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994	1,110.7574	1,110.7574	0.0968		1,113.1761	
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184	1,083.2022	1,083.2022	0.0247		1,083.8201	
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178	2,193.9596	2,193.9596	0.1215		2,196.9961	

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	154.7432	154.7432	3.5300e-003			154.8314

Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3991	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4139	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296

Unmitigated	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.270	4,900.2704	0.2104		4,905.529
												4				6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Unmitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 3 ALT1 Mitigation - Orange County, Summer

**JWA Phase 3 ALT1 Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	95.70	1000sqft	2.20	95,697.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Detailed in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	95,700.00	95,697.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4538	36.2957	23.0170	0.0490	3.1766	1.6697	4.8463	0.5620	1.5524	2.1144	0.0000	4,860.0207	4,860.0207	1.1600	0.0000	4,889.0214
2021	7.8457	68.5222	71.4272	0.1429	4.1894	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6768
Maximum	7.8457	68.5222	71.4272	0.1429	4.1894	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6768

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.6039	5.0979	24.5436	0.0490	1.7077	0.0727	1.7803	0.3396	0.0721	0.4118	0.0000	4,860.0207	4,860.0207	1.1600	0.0000	4,889.0214
2021	2.8623	25.3427	78.4821	0.1429	4.1008	0.6868	4.7876	1.1044	0.6840	1.7885	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6767
Maximum	2.8623	25.3427	78.4821	0.1429	4.1008	0.6868	4.7876	1.1044	0.6840	1.7885	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6767

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	69.32	70.96	-9.09	0.00	21.14	84.73	44.66	13.35	83.67	63.45	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3874	2.0794	6.9339	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5084	2,958.5084	0.1111	4.0200e-003	2,962.4859

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3874	2.0794	6.9339	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5084	2,958.5084	0.1111	4.0200e-003	2,962.4859

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/ Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36

Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	545.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO-3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.4081	1.6587	4.0668	0.3646	1.5419	1.9065		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0840	3.0583	0.7728	8.5100e-003	0.6009	9.9000e-003	0.6108	0.1530	9.4700e-003	0.1624		948.8093	948.8093	0.0984		951.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1416	3.0947	1.2638	0.0102	0.7685	0.0110	0.7796	0.1974	0.0105	0.2079		1,112.3158	1,112.3158	0.1021		1,114.8678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0840	3.0583	0.7728	8.5100e-003	0.6009	9.9000e-003	0.6108	0.1530	9.4700e-003	0.1624		948.8093	948.8093	0.0984		951.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1416	3.0947	1.2638	0.0102	0.7685	0.0110	0.7796	0.1974	0.0105	0.2079		1,112.3158	1,112.3158	0.1021		1,114.8678

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000				0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549			3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.4081	1.5513	3.9594	0.3646	1.4411	1.8057		3,747.9449	3,747.9449	1.0549			3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0801	2.8275	0.7768	8.3900e-003	0.2468	8.8800e-003	0.2556	0.0660	8.5000e-003	0.0745		937.1974	937.1974	0.0972		939.6266
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1342	2.8603	1.2324	9.9700e-003	0.4144	9.9700e-003	0.4244	0.1105	9.5000e-003	0.1200		1,095.0265	1,095.0265	0.1006		1,097.5402

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0801	2.8275	0.7768	8.3900e-003	0.2468	8.8800e-003	0.2556	0.0660	8.5000e-003	0.0745		937.1974	937.1974	0.0972		939.6266
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1342	2.8603	1.2324	9.9700e-003	0.4144	9.9700e-003	0.4244	0.1105	9.5000e-003	0.1200		1,095.0265	1,095.0265	0.1006		1,097.5402

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4540	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6014	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	157.8291	157.8291	3.3800e-003	157.9136	
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	157.8291	157.8291	3.3800e-003	157.9136	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Unmitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139			219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
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6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Unmitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 3 ALT1 Mitigation - Orange County, Winter

**JWA Phase 3 ALT1 Mitigation
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	95.70	1000sqft	2.20	95,697.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Detailed in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	95,700.00	95,697.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4633	36.3378	23.0206	0.0487	3.1766	1.6699	4.8465	0.5620	1.5525	2.1146	0.0000	4,836.9339	4,836.9339	1.1622	0.0000	4,865.9881
2021	7.9658	68.5546	71.0802	0.1412	4.1894	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6685
Maximum	7.9658	68.5546	71.0802	0.1412	4.1894	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6685

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.6135	5.1400	24.5473	0.0487	1.7077	0.0728	1.7805	0.3396	0.0723	0.4120	0.0000	4,836.9339	4,836.9339	1.1622	0.0000	4,865.9881
2021	2.9824	25.3816	78.1352	0.1412	4.1008	0.6876	4.7884	1.1044	0.6849	1.7893	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6684
Maximum	2.9824	25.3816	78.1352	0.1412	4.1008	0.6876	4.7884	1.1044	0.6849	1.7893	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6684

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	68.54	70.90	-9.12	0.00	21.14	84.71	44.65	13.35	83.66	63.43	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Total	1.3794	2.1395	6.5814	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2596	2,838.2596	0.1104	4.0200e-003	2,842.2188

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Total	1.3794	2.1395	6.5814	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2596	2,838.2596	0.1104	4.0200e-003	2,842.2188

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36

Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	545.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO-3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.4081	1.6587	4.0668	0.3646	1.5419	1.9065		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0861	3.0968	0.8136	8.3800e-003	0.6009	0.0101	0.6110	0.1530	9.6500e-003	0.1626		934.4858	934.4858	0.1007		937.0031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1512	3.1367	1.2674	9.9300e-003	0.7685	0.0112	0.7797	0.1974	0.0107	0.2081		1,089.2290	1,089.2290	0.1042		1,091.8345

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0861	3.0968	0.8136	8.3800e-003	0.6009	0.0101	0.6110	0.1530	9.6500e-003	0.1626		934.4858	934.4858	0.1007		937.0031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1512	3.1367	1.2674	9.9300e-003	0.7685	0.0112	0.7797	0.1974	0.0107	0.2081		1,089.2290	1,089.2290	0.1042		1,091.8345

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.4081	1.5513	3.9594	0.3646	1.4411	1.8057		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0821	2.8609	0.8154	8.2600e-003	0.2468	9.0400e-003	0.2558	0.0660	8.6500e-003	0.0747		922.9968	922.9968	0.0993		925.4803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1434	2.8969	1.2358	9.7600e-003	0.4144	0.0101	0.4245	0.1105	9.6500e-003	0.1202		1,072.3716	1,072.3716	0.1025		1,074.9351

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0821	2.8609	0.8154	8.2600e-003	0.2468	9.0400e-003	0.2558	0.0660	8.6500e-003	0.0747		922.9968	922.9968	0.0993		925.4803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1434	2.8969	1.2358	9.7600e-003	0.4144	0.0101	0.4245	0.1105	9.6500e-003	0.1202		1,072.3716	1,072.3716	0.1025		1,074.9351

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862			1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213			996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075			2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4540	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6014	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	149.3748	149.3748	3.2000e-003	149.4548	
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	149.3748	149.3748	3.2000e-003	149.4548	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Unmitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139			219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
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6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Unmitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 ALT1 Mitigated - Orange County, Summer

**JWA Phase 4 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblTripsAndVMT	HaulingTripNumber	358.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0197	34.7531	29.2364	0.0548	2.1282	1.7315	3.8597	0.3968	1.6381	2.0349	0.0000	5,215.8217	5,215.8217	0.9918	0.0000	5,240.6158
2022	3.3943	27.4158	32.4399	0.0588	0.7825	1.2905	2.0730	0.2095	1.2162	1.4257	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	4.0197	34.7531	32.4399	0.0588	2.1282	1.7315	3.8597	0.3968	1.6381	2.0349	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.7883	6.3504	29.6870	0.0548	1.2187	0.0741	1.2927	0.2591	0.0737	0.3327	0.0000	5,215.8217	5,215.8217	0.9918	0.0000	5,240.6158
2022	0.9828	6.4618	34.9280	0.0588	0.7825	0.0797	0.8621	0.2095	0.0792	0.2888	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	0.9828	6.4618	34.9280	0.0588	1.2187	0.0797	1.2927	0.2591	0.0792	0.3327	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	76.11	79.39	-4.76	0.00	31.25	94.91	63.68	22.71	94.64	82.04	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Area	Energy	Mobile	Total												
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198	
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/10/2021	5	52	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 1 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 1 - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Park Spaces / Lighting Phase 1 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 1 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 1 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 1 - 4	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting Phase 1 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 2 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 2 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 2 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 2 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 2 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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Demolition - 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 4	7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4911	0.0000	1.4911	0.2258	0.0000	0.2258			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.4911	1.0409	2.5320	0.2258	0.9715	1.1972		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5815	0.0000	0.5815	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.2811	1.2179	14.7184	0.0241	0.5815	0.0375	0.6190	0.0881	0.0375	0.1255	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927
Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927
Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280		372.6137	372.6137	0.0286		373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		364.7524	364.7524	7.3700e-003		364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371		737.3661	737.3661	0.0360		738.2649

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280		372.6137	372.6137	0.0286		373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		364.7524	364.7524	7.3700e-003		364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371		737.3661	737.3661	0.0360		738.2649

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2180	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2253	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2214	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Unmitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day										lb/day						
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108			171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 ALT1 Mitigated - Orange County, Winter

**JWA Phase 4 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblTripsAndVMT	HaulingTripNumber	358.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.0449	34.7606	29.1560	0.0544	2.1282	1.7316	3.8598	0.3968	1.6382	2.0350	0.0000	5,178.9594	5,178.9594	0.9926	0.0000	5,203.7748
2022	3.4247	27.4242	32.3345	0.0584	0.7825	1.2906	2.0731	0.2095	1.2163	1.4258	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	4.0449	34.7606	32.3345	0.0584	2.1282	1.7316	3.8598	0.3968	1.6382	2.0350	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8135	6.3579	29.6066	0.0544	1.2187	0.0742	1.2928	0.2591	0.0738	0.3328	0.0000	5,178.9594	5,178.9594	0.9926	0.0000	5,203.7748
2022	1.0132	6.4701	34.8226	0.0584	0.7825	0.0798	0.8622	0.2095	0.0793	0.2889	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	1.0132	6.4701	34.8226	0.0584	1.2187	0.0798	1.2928	0.2591	0.0793	0.3328	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.55	79.37	-4.78	0.00	31.25	94.91	63.68	22.71	94.64	82.04	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.7802	1,863.7802	0.0697	3.1400e-003	1,866.4574

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Area	Energy	Mobile	Total												
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198	
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.7802	1,863.7802	0.0697	3.1400e-003	1,866.4574

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/10/2021	5	52	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 1 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 1 - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Park Spaces / Lighting Phase 1 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 1 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 1 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 1 - 4	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting Phase 1 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 2 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 2 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 2 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 2 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 2 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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Demolition - 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 4	7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 4	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4911	0.0000	1.4911	0.2258	0.0000	0.2258			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.4911	1.0409	2.5320	0.2258	0.9715	1.1972		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5815	0.0000	0.5815	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.2811	1.2179	14.7184	0.0241	0.5815	0.0375	0.6190	0.0881	0.0375	0.1255	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573			2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573			2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310			367.8384
Worker	0.1471	0.0864	1.0090	3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003			358.6915
Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386			726.5299

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.1471	0.0864	1.0090	3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003		358.6915
Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386		726.5299

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2180	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2253	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2214	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Unmitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day										lb/day						
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108			171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 ALT1 Mitigated - Orange County, Summer

**JWA Phase 5 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	71.20	1000sqft	1.63	71,200.00	0
Other Non-Asphalt Surfaces	91.22	1000sqft	2.09	91,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	91,220.00	91,215.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	88.29	48.61
tblTripsAndVMT	HaulingTripNumber	739.00	0.00
tblTripsAndVMT	VendorTripNumber	27.00	17.00
tblTripsAndVMT	WorkerTripNumber	68.00	43.00
tblWater	IndoorWaterUseRate	16,465,000.00	9,065,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7781	32.8454	30.3189	0.0590	5.7306	1.5469	7.2775	0.9537	1.4624	2.4161	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484
Maximum	3.7781	32.8454	30.3189	0.0590	5.7306	1.5469	7.2775	0.9537	1.4624	2.4161	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8443	6.7080	31.6590	0.0590	2.6830	0.0795	2.7625	0.4923	0.0791	0.5714	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484
Maximum	0.8443	6.7080	31.6590	0.0590	2.6830	0.0795	2.7625	0.4923	0.0791	0.5714	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	77.65	79.58	-4.42	0.00	53.18	94.86	62.04	48.38	94.59	76.35	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Total	2.3570	3.1540	12.1748	0.0512	4.6620	0.0624	4.7244	1.2467	0.0601	1.3068		5,442.5803	5,442.5803	0.1970	8.7900e-003	5,450.1254

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Total	2.3570	3.1540	12.1748	0.0512	4.6620	0.0624	4.7244	1.2467	0.0601	1.3068		5,442.5803	5,442.5803	0.1970	8.7900e-003	5,450.1254

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9960	0.0000	4.9960	0.7564	0.0000	0.7564			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	4.9960	0.8379	5.8339	0.7564	0.7829	1.5393		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9485	0.0000	1.9485	0.2950	0.0000	0.2950			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.9485	0.0375	1.9859	0.2950	0.0375	0.3325	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003	152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003	152.0569

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Unmitigated	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	496.26	93.98	48.42	1,659,794	1,659,794
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	496.26	93.98	48.42	1,659,794	1,659,794

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
NaturalGas Unmitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4076.93	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4.07693	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Unmitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day						
	Architectural Coating	0.1044					0.0000	0.0000			0.0000	0.0000			0.0000		
Consumer Products	1.4421					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 ALT1 Mitigated - Orange County, Winter

**JWA Phase 5 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	71.20	1000sqft	1.63	71,200.00	0
Other Non-Asphalt Surfaces	91.22	1000sqft	2.09	91,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	91,220.00	91,215.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	88.29	48.61
tblTripsAndVMT	HaulingTripNumber	739.00	0.00
tblTripsAndVMT	VendorTripNumber	27.00	17.00
tblTripsAndVMT	WorkerTripNumber	68.00	43.00
tblWater	IndoorWaterUseRate	16,465,000.00	9,065,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8061	32.8517	30.2339	0.0586	5.7306	1.5471	7.2776	0.9537	1.4625	2.4162	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513
Maximum	3.8061	32.8517	30.2339	0.0586	5.7306	1.5471	7.2776	0.9537	1.4625	2.4162	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8722	6.7144	31.5741	0.0586	2.6830	0.0796	2.7626	0.4923	0.0792	0.5715	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513
Maximum	0.8722	6.7144	31.5741	0.0586	2.6830	0.0796	2.7626	0.4923	0.0792	0.5715	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	77.08	79.56	-4.43	0.00	53.18	94.85	62.04	48.38	94.59	76.35	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Total	2.3427	3.2484	11.5176	0.0491	4.6620	0.0625	4.7245	1.2467	0.0602	1.3069		5,226.5147	5,226.5147	0.1954	8.7900e-003	5,234.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Total	2.3427	3.2484	11.5176	0.0491	4.6620	0.0625	4.7245	1.2467	0.0602	1.3069		5,226.5147	5,226.5147	0.1954	8.7900e-003	5,234.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9960	0.0000	4.9960	0.7564	0.0000	0.7564			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	4.9960	0.8379	5.8339	0.7564	0.7829	1.5393		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9485	0.0000	1.9485	0.2950	0.0000	0.2950			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.9485	0.0375	1.9859	0.2950	0.0375	0.3325	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003	143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003	143.9194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Unmitigated	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	496.26	93.98	48.42	1,659,794	1,659,794
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	496.26	93.98	48.42	1,659,794	1,659,794

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
NaturalGas Unmitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4076.93	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4.07693	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Unmitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
	Architectural Coating	0.1044					0.0000	0.0000			0.0000	0.0000			0.0000	0.0000
Consumer Products	1.4421					0.0000	0.0000			0.0000	0.0000			0.0000	0.0000	
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005	0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005	0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 ALT1 Mitigated - Orange County, Summer

**JWA Phase 6 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	152.00	1000sqft	3.49	152,001.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Architectural Coating - *low VOC

tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	18.00	7.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	18.00	47.00
tblLandUse	LandUseSquareFeet	152,000.00	152,001.00
tblTripsAndVMT	HaulingTripNumber	691.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.0528	27.1833	23.2014	0.0446	15.2752	1.3264	16.6015	2.3484	1.2388	3.5872	0.0000	4,311.9256	4,311.9256	1.0765	0.0000	4,338.8378
Maximum	5.0528	27.1833	23.2014	0.0446	15.2752	1.3264	16.6015	2.3484	1.2388	3.5872	0.0000	4,311.9256	4,311.9256	1.0765	0.0000	4,338.8378

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.5756	2.1874	25.9060	0.0446	6.1482	0.0676	6.2158	0.9665	0.0674	1.0340	0.0000	4,311.9256	4,311.9256	1.0765	0.0000	4,338.8378
Maximum	3.5756	2.1874	25.9060	0.0446	6.1482	0.0676	6.2158	0.9665	0.0674	1.0340	0.0000	4,311.9256	4,311.9256	1.0765	0.0000	4,338.8378

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	29.23	91.95	-11.66	0.00	59.75	94.90	62.56	58.84	94.56	71.18	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/14/2022	7/27/2022	5	10	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,120

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Excavators	3	8.00	158	0.38
Demolition - 6	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	0		97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Road Relocation - 6	Cement and Mortar Mixers	2	6.00	9	0.56
Road Relocation - 6	Pavers	1	8.00	130	0.42
Road Relocation - 6	Paving Equipment	2	6.00	132	0.36
Road Relocation - 6	Rollers	2	6.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					14.9622	0.0000	14.9622	2.2654	0.0000	2.2654			0.0000			0.0000

Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	14.9622	1.2427	16.2048	2.2654	1.1553	3.4207		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8353	0.0000	5.8353	0.8835	0.0000	0.8835			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	0.4623	2.0032	23.2798	0.0388	5.8353	0.0616	5.8969	0.8835	0.0616	0.9452	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	2.3181	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	2.1433	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4140	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	3.2239	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	3.0491	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Other Asphalt Surfaces	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Unmitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 ALT1 Mitigated - Orange County, Winter

JWA Phase 6 ALT1 Mitigated
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	152.00	1000sqft	3.49	152,001.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Architectural Coating - *low VOC

tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	18.00	7.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	18.00	47.00
tblLandUse	LandUseSquareFeet	152,000.00	152,001.00
tblTripsAndVMT	HaulingTripNumber	691.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.0657	27.1888	23.1390	0.0445	15.2752	1.3264	16.6015	2.3484	1.2388	3.5872	0.0000	4,296.7433	4,296.7433	1.0762	0.0000	4,323.6477
Maximum	5.0657	27.1888	23.1390	0.0445	15.2752	1.3264	16.6015	2.3484	1.2388	3.5872	0.0000	4,296.7433	4,296.7433	1.0762	0.0000	4,323.6477

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.5909	2.1929	25.8436	0.0445	6.1482	0.0676	6.2158	0.9665	0.0674	1.0340	0.0000	4,296.7433	4,296.7433	1.0762	0.0000	4,323.6477
Maximum	3.5909	2.1929	25.8436	0.0445	6.1482	0.0676	6.2158	0.9665	0.0674	1.0340	0.0000	4,296.7433	4,296.7433	1.0762	0.0000	4,323.6477

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	29.11	91.93	-11.69	0.00	59.75	94.90	62.56	58.84	94.56	71.18	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/14/2022	7/27/2022	5	10	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,120

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Excavators	3	8.00	158	0.38
Demolition - 6	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	0		97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Road Relocation - 6	Cement and Mortar Mixers	2	6.00	9	0.56
Road Relocation - 6	Pavers	1	8.00	130	0.42
Road Relocation - 6	Paving Equipment	2	6.00	132	0.36
Road Relocation - 6	Rollers	2	6.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					14.9622	0.0000	14.9622	2.2654	0.0000	2.2654			0.0000			0.0000

Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	14.9622	1.2427	16.2048	2.2654	1.1553	3.4207		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8353	0.0000	5.8353	0.8835	0.0000	0.8835			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	0.4623	2.0032	23.2798	0.0388	5.8353	0.0616	5.8969	0.8835	0.0616	0.9452	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	2.3181	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	2.1433	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4140	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	3.2239	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	3.0491	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Other Asphalt Surfaces	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Unmitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7 ALT1 Mitigated - Orange County, Summer

**JWA Phase 7 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.20	1000sqft	1.59	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34600	33441
tblAreaCoating	Area_Nonresidential_Interior	103800	100323
tblAreaCoating	Area_Parking	0	6629
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	5.7840e-003	5.7610e-003
tblFleetMix	MCY	4.9410e-003	4.9610e-003

tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MH	9.0400e-004	8.5400e-004
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	OBUS	1.7750e-003	1.8070e-003
tbIFleetMix	SBUS	5.9800e-004	6.0600e-004
tbIFleetMix	UBUS	1.5240e-003	1.4890e-003
tbISolidWaste	SolidWasteGenerationRate	85.81	82.93
tbITripsAndVMT	HaulingTripNumber	846.00	0.00
tbIVehicleEF	HHD	0.47	0.42
tbIVehicleEF	HHD	0.16	0.17
tbIVehicleEF	HHD	0.07	0.06
tbIVehicleEF	HHD	1.51	1.43
tbIVehicleEF	HHD	1.25	1.29
tbIVehicleEF	HHD	4.18	4.34
tbIVehicleEF	HHD	3,872.44	3,764.04
tbIVehicleEF	HHD	1,597.37	1,576.10
tbIVehicleEF	HHD	13.53	14.15
tbIVehicleEF	HHD	13.41	12.60
tbIVehicleEF	HHD	1.83	1.71
tbIVehicleEF	HHD	19.09	18.97
tbIVehicleEF	HHD	0.01	9.4350e-003
tbIVehicleEF	HHD	0.06	0.06
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	6.0810e-003	5.9410e-003
tbIVehicleEF	HHD	1.2600e-004	1.3700e-004
tbIVehicleEF	HHD	0.01	9.0270e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.6700e-003	8.6680e-003
tbIVehicleEF	HHD	5.8180e-003	5.6830e-003
tbIVehicleEF	HHD	1.1600e-004	1.2600e-004

tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.36	0.34
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1200e-004
tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.44	0.39
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	1.10	1.04
tblVehicleEF	HHD	1.26	1.29
tblVehicleEF	HHD	3.98	4.13
tblVehicleEF	HHD	4,102.50	3,987.66
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	13.84	13.00
tblVehicleEF	HHD	1.73	1.61
tblVehicleEF	HHD	19.08	18.96
tblVehicleEF	HHD	0.01	7.9540e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	9.6890e-003	7.6100e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.34	0.32
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	2.0900e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.42	0.40
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	0.51	0.45
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	2.08	1.97
tblVehicleEF	HHD	1.25	1.28
tblVehicleEF	HHD	4.22	4.38

tblVehicleEF	HHD	3,554.73	3,455.22
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	12.81	12.04
tblVehicleEF	HHD	1.80	1.68
tblVehicleEF	HHD	19.10	18.97
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1300e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.48	0.45
tblVehicleEF	HHD	8.8000e-005	8.9000e-005

tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	LDA	3.5840e-003	2.9860e-003
tblVehicleEF	LDA	3.9920e-003	3.1350e-003
tblVehicleEF	LDA	0.52	0.45
tblVehicleEF	LDA	0.92	0.78
tblVehicleEF	LDA	242.31	221.65
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.0380e-003	7.5160e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.4260e-003	2.2190e-003
tblVehicleEF	LDA	5.5500e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	3.7860e-003	3.1560e-003

tblVehicleEF	LDA	3.5910e-003	2.8240e-003
tblVehicleEF	LDA	0.56	0.49
tblVehicleEF	LDA	0.80	0.67
tblVehicleEF	LDA	252.48	230.94
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	9.5380e-003	7.9370e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.5280e-003	2.3120e-003
tblVehicleEF	LDA	5.5300e-004	5.0800e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	3.5150e-003	2.9280e-003
tblVehicleEF	LDA	4.0740e-003	3.1990e-003
tblVehicleEF	LDA	0.50	0.44
tblVehicleEF	LDA	0.95	0.80
tblVehicleEF	LDA	238.56	218.23

tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	8.8680e-003	7.3740e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.3880e-003	2.1840e-003
tblVehicleEF	LDA	5.5600e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDT1	8.0440e-003	6.5640e-003
tblVehicleEF	LDT1	0.01	8.9170e-003
tblVehicleEF	LDT1	1.00	0.85
tblVehicleEF	LDT1	2.24	1.85
tblVehicleEF	LDT1	303.32	282.04
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003

tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	3.0440e-003	2.8290e-003
tblVehicleEF	LDT1	7.1900e-004	6.7100e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	8.4500e-003	6.9040e-003
tblVehicleEF	LDT1	9.9950e-003	8.0030e-003
tblVehicleEF	LDT1	1.08	0.91
tblVehicleEF	LDT1	1.93	1.60
tblVehicleEF	LDT1	315.58	293.45
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.08	0.06
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.15	0.14

tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	3.1680e-003	2.9440e-003
tblVehicleEF	LDT1	7.1300e-004	6.6600e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	7.9040e-003	6.4480e-003
tblVehicleEF	LDT1	0.01	9.1050e-003
tblVehicleEF	LDT1	0.97	0.82
tblVehicleEF	LDT1	2.30	1.91
tblVehicleEF	LDT1	298.79	277.83
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.15

tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	2.9980e-003	2.7870e-003
tblVehicleEF	LDT1	7.2000e-004	6.7200e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT2	4.9710e-003	4.2560e-003
tblVehicleEF	LDT2	5.3310e-003	4.3490e-003
tblVehicleEF	LDT2	0.67	0.60
tblVehicleEF	LDT2	1.19	1.03
tblVehicleEF	LDT2	342.73	316.54
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.4320e-003	3.1690e-003
tblVehicleEF	LDT2	7.8300e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	5.2490e-003	4.4960e-003
tblVehicleEF	LDT2	4.8000e-003	3.9210e-003
tblVehicleEF	LDT2	0.73	0.66
tblVehicleEF	LDT2	1.03	0.90
tblVehicleEF	LDT2	356.77	329.50
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	3.5730e-003	3.2990e-003
tblVehicleEF	LDT2	7.8100e-004	7.2400e-004
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05

tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	4.8770e-003	4.1760e-003
tblVehicleEF	LDT2	5.4400e-003	4.4370e-003
tblVehicleEF	LDT2	0.65	0.58
tblVehicleEF	LDT2	1.22	1.06
tblVehicleEF	LDT2	337.54	311.75
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.3800e-003	3.1210e-003
tblVehicleEF	LDT2	7.8400e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.3180e-003	6.6120e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.21	1.93
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	0.93	0.83
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.22	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5200e-004	3.2700e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.4720e-003	6.7190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.65	0.54
tblVehicleEF	LHD1	2.11	1.85
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.00	0.83
tblVehicleEF	LHD1	0.90	0.80
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.26	0.25

tblVehicleEF	LHD1	0.22	0.18
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7620e-003	5.6340e-003
tblVehicleEF	LHD1	3.5100e-004	3.2600e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.24	0.20
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.2770e-003	6.5830e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.22	1.94
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.05	0.86
tblVehicleEF	LHD1	0.94	0.84
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003

tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.23	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5300e-004	3.2700e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3120e-003	2.7710e-003
tblVehicleEF	LHD2	7.2560e-003	5.7240e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.05
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.46
tblVehicleEF	LHD2	0.51	0.43

tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3450e-003	2.7950e-003
tblVehicleEF	LHD2	7.0320e-003	5.5590e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25

tblVehicleEF	LHD2	1.13	1.01
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.43
tblVehicleEF	LHD2	0.49	0.41
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.05	0.04

tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3030e-003	2.7640e-003
tblVehicleEF	LHD2	7.3020e-003	5.7580e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.06
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.45
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004

tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.11	17.78
tblVehicleEF	MCY	9.59	9.63
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.12	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.35	2.33
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.03	2.01
tblVehicleEF	MCY	2.1510e-003	2.1500e-003
tblVehicleEF	MCY	6.6200e-004	6.5500e-004
tblVehicleEF	MCY	1.13	1.12

tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.93	2.91
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.46	17.16
tblVehicleEF	MCY	8.83	8.85
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.30	2.28
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.83	1.81
tblVehicleEF	MCY	6.4300e-004	6.3600e-004
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.86	2.85
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.99	1.97

tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.21	17.87
tblVehicleEF	MCY	9.71	9.76
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.36	2.34
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.07	2.05
tblVehicleEF	MCY	2.1530e-003	2.1520e-003
tblVehicleEF	MCY	6.6500e-004	6.5800e-004
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.94	2.92
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.25	2.23
tblVehicleEF	MDV	9.1870e-003	7.5110e-003
tblVehicleEF	MDV	0.01	9.2910e-003
tblVehicleEF	MDV	1.04	0.89
tblVehicleEF	MDV	2.15	1.78

tblVehicleEF	MDV	467.69	434.17
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6820e-003	4.3440e-003
tblVehicleEF	MDV	1.0560e-003	9.8200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	9.6820e-003	7.9230e-003
tblVehicleEF	MDV	0.01	8.3650e-003
tblVehicleEF	MDV	1.13	0.96
tblVehicleEF	MDV	1.86	1.54
tblVehicleEF	MDV	486.30	451.43
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.18	0.14

tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	4.8690e-003	4.5180e-003
tblVehicleEF	MDV	1.0510e-003	9.7800e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.16	0.12
tblVehicleEF	MDV	9.0170e-003	7.3710e-003
tblVehicleEF	MDV	0.01	9.4820e-003
tblVehicleEF	MDV	1.01	0.86
tblVehicleEF	MDV	2.21	1.83
tblVehicleEF	MDV	460.81	427.80
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.20	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003

tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6120e-003	4.2800e-003
tblVehicleEF	MDV	1.0570e-003	9.8300e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.49	1.13
tblVehicleEF	MH	4.71	4.26
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.24	1.09
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05

tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5000e-004	6.3900e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.27
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.53	1.16
tblVehicleEF	MH	4.46	4.04
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.67	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.07	0.05

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.4600e-004	6.3500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.48	1.12
tblVehicleEF	MH	4.74	4.29
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.22	1.07
tblVehicleEF	MH	0.71	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5100e-004	6.4000e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9430e-003	2.4630e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.33	0.32
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.08	4.27
tblVehicleEF	MHD	141.00	145.52
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.36	0.37
tblVehicleEF	MHD	0.69	0.67
tblVehicleEF	MHD	10.82	11.16
tblVehicleEF	MHD	7.6000e-005	6.2000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	7.2000e-005	6.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	6.2700e-004

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.31	0.27
tblVehicleEF	MHD	1.3570e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7100e-004	6.2800e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.34	0.29
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.9770e-003	2.4860e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.24	0.23
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	4.84	4.07
tblVehicleEF	MHD	149.34	154.13
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.37	0.38
tblVehicleEF	MHD	0.65	0.64
tblVehicleEF	MHD	10.79	11.13
tblVehicleEF	MHD	6.4000e-005	5.3000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	6.1000e-005	5.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003

tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.30	0.26
tblVehicleEF	MHD	1.4350e-003	1.4810e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.6700e-004	6.2500e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.33	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9330e-003	2.4570e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.12	4.31
tblVehicleEF	MHD	129.46	133.61
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.34	0.36
tblVehicleEF	MHD	0.68	0.66
tblVehicleEF	MHD	10.83	11.17

tblVehicleEF	MHD	9.2000e-005	7.6000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	8.8000e-005	7.3000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.27
tblVehicleEF	MHD	1.2480e-003	1.2870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7200e-004	6.2900e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8760e-003	4.8420e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.05	4.65
tblVehicleEF	OBUS	76.29	77.10

tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.55	0.56
tblVehicleEF	OBUS	1.99	1.93
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	7.4000e-004	7.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	7.7000e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.9810e-003	4.9210e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24

tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	4.79	4.41
tblVehicleEF	OBUS	79.82	80.67
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.51	0.52
tblVehicleEF	OBUS	1.96	1.90
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.28
tblVehicleEF	OBUS	7.7400e-004	7.8200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	7.6600e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	5.8450e-003	4.8180e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.09	4.69
tblVehicleEF	OBUS	71.43	72.16
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.54	0.55
tblVehicleEF	OBUS	2.00	1.94
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.30
tblVehicleEF	OBUS	6.9400e-004	7.0100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	7.7000e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.38	8.62
tblVehicleEF	SBUS	1.03	0.85
tblVehicleEF	SBUS	8.97	8.29
tblVehicleEF	SBUS	1,100.64	1,070.68
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.42	7.09
tblVehicleEF	SBUS	3.91	3.21
tblVehicleEF	SBUS	11.93	11.39
tblVehicleEF	SBUS	8.0260e-003	5.9080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	7.6790e-003	5.6520e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.44
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	7.3600e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.48
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.27	8.53
tblVehicleEF	SBUS	1.04	0.86
tblVehicleEF	SBUS	7.41	6.84
tblVehicleEF	SBUS	1,149.38	1,116.92
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.69	7.32
tblVehicleEF	SBUS	3.69	3.03
tblVehicleEF	SBUS	11.90	11.36
tblVehicleEF	SBUS	6.7660e-003	4.9800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	6.4740e-003	4.7650e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.40
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	7.1200e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.46	0.43
tblVehicleEF	SBUS	0.84	0.83
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.52	8.75
tblVehicleEF	SBUS	1.02	0.84
tblVehicleEF	SBUS	9.12	8.42
tblVehicleEF	SBUS	1,033.33	1,006.83
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.05	6.78
tblVehicleEF	SBUS	3.84	3.15
tblVehicleEF	SBUS	11.94	11.40
tblVehicleEF	SBUS	9.7670e-003	7.1890e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	9.3440e-003	6.8780e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.00	1.03
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.45
tblVehicleEF	SBUS	0.01	9.9070e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	7.3900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.45	1.49
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.49
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.06	6.98
tblVehicleEF	UBUS	12.43	11.13
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.94	3.21

tblVehicleEF	UBUS	13.12	12.84
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	0.44	0.29
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.94	0.88
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5920e-003	1.5890e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	2.18	1.82
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.03	0.97
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	8.11	7.01
tblVehicleEF	UBUS	10.96	9.86
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.69	3.01
tblVehicleEF	UBUS	13.05	12.78
tblVehicleEF	UBUS	0.52	0.51

tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	0.44	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.87	0.82
tblVehicleEF	UBUS	8.5780e-003	8.4530e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	2.18	1.83
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.05	6.97
tblVehicleEF	UBUS	12.68	11.35
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.86	3.14
tblVehicleEF	UBUS	13.14	12.86
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22

tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	0.43	0.29
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5960e-003	1.5930e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	2.17	1.82
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	1.04	0.98
tblWater	IndoorWaterUseRate	16,002,500.00	15,466,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.5085	30.1842	28.1478	0.0531	3.4471	1.4316	4.8787	0.5849	1.3563	1.9412	0.0000	5,043.2721	5,043.2721	0.9718	0.0000	5,067.5659
Maximum	3.5085	30.1842	28.1478	0.0531	3.4471	1.4316	4.8787	0.5849	1.3563	1.9412	0.0000	5,043.2721	5,043.2721	0.9718	0.0000	5,067.5659

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.7449	5.9894	29.3034	0.0531	1.6736	0.0726	1.7462	0.3164	0.0723	0.3887	0.0000	5,043.2721	5,043.2721	0.9718	0.0000	5,067.5659
Maximum	0.7449	5.9894	29.3034	0.0531	1.6736	0.0726	1.7462	0.3164	0.0723	0.3887	0.0000	5,043.2721	5,043.2721	0.9718	0.0000	5,067.5659

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	78.77	80.16	-4.11	0.00	51.45	94.93	64.21	45.91	94.67	79.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Total	2.2625	2.8651	10.5213	0.0466	4.5308	0.0596	4.5904	1.2115	0.0574	1.2689		4,978.2266	4,978.2266	0.1759	8.5500e-003	4,985.1721

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Total	2.2625	2.8651	10.5213	0.0466	4.5308	0.0596	4.5904	1.2115	0.0574	1.2689		4,978.2266	4,978.2266	0.1759	8.5500e-003	4,985.1721

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	0		158	0.38
Demolition - 7	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of T Hangers - 7	Cranes	1	6.00	231	0.29
Construction of T Hangers - 7	Forklifts	1	6.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T Hangers - 7	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	7	29.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000			0.0000

Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1339	0.0000	1.1339	0.1717	0.0000	0.1717			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.1339	0.0375	1.1714	0.1717	0.0375	0.2092	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0276	0.9763	0.2702	2.6800e-003	0.0703	1.8600e-003	0.0721	0.0202	1.7800e-003	0.0220		292.7679	292.7679	0.0225		293.3293
Worker	0.0989	0.0574	0.8221	2.9500e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		293.8284	293.8284	5.9300e-003		293.9767
Total	0.1265	1.0337	1.0923	5.6300e-003	0.3944	3.9200e-003	0.3984	0.1062	3.6700e-003	0.1099		586.5962	586.5962	0.0284		587.3061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.9763	0.2702	2.6800e-003	0.0703	1.8600e-003	0.0721	0.0202	1.7800e-003	0.0220		292.7679	292.7679	0.0225		293.3293
Worker	0.0989	0.0574	0.8221	2.9500e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		293.8284	293.8284	5.9300e-003		293.9767
Total	0.1265	1.0337	1.0923	5.6300e-003	0.3944	3.9200e-003	0.3984	0.1062	3.6700e-003	0.1099		586.5962	586.5962	0.0284		587.3061

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Unmitigated	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	482.32	91.34	47.06	1,613,171	1,613,171
Total	482.32	91.34	47.06	1,613,171	1,613,171

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
NaturalGas Unmitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3962.41	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.96241	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7 ALT1 Mitigated - Orange County, Winter

JWA Phase 7 ALT1 Mitigated
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.20	1000sqft	1.59	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34600	33441
tblAreaCoating	Area_Nonresidential_Interior	103800	100323
tblAreaCoating	Area_Parking	0	6629
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	5.7840e-003	5.7610e-003
tblFleetMix	MCY	4.9410e-003	4.9610e-003

tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MH	9.0400e-004	8.5400e-004
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	OBUS	1.7750e-003	1.8070e-003
tbIFleetMix	SBUS	5.9800e-004	6.0600e-004
tbIFleetMix	UBUS	1.5240e-003	1.4890e-003
tbISolidWaste	SolidWasteGenerationRate	85.81	82.93
tbITripsAndVMT	HaulingTripNumber	846.00	0.00
tbIVehicleEF	HHD	0.47	0.42
tbIVehicleEF	HHD	0.16	0.17
tbIVehicleEF	HHD	0.07	0.06
tbIVehicleEF	HHD	1.51	1.43
tbIVehicleEF	HHD	1.25	1.29
tbIVehicleEF	HHD	4.18	4.34
tbIVehicleEF	HHD	3,872.44	3,764.04
tbIVehicleEF	HHD	1,597.37	1,576.10
tbIVehicleEF	HHD	13.53	14.15
tbIVehicleEF	HHD	13.41	12.60
tbIVehicleEF	HHD	1.83	1.71
tbIVehicleEF	HHD	19.09	18.97
tbIVehicleEF	HHD	0.01	9.4350e-003
tbIVehicleEF	HHD	0.06	0.06
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	6.0810e-003	5.9410e-003
tbIVehicleEF	HHD	1.2600e-004	1.3700e-004
tbIVehicleEF	HHD	0.01	9.0270e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.6700e-003	8.6680e-003
tbIVehicleEF	HHD	5.8180e-003	5.6830e-003
tbIVehicleEF	HHD	1.1600e-004	1.2600e-004

tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.36	0.34
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1200e-004
tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.44	0.39
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	1.10	1.04
tblVehicleEF	HHD	1.26	1.29
tblVehicleEF	HHD	3.98	4.13
tblVehicleEF	HHD	4,102.50	3,987.66
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	13.84	13.00
tblVehicleEF	HHD	1.73	1.61
tblVehicleEF	HHD	19.08	18.96
tblVehicleEF	HHD	0.01	7.9540e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	9.6890e-003	7.6100e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.34	0.32
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	2.0900e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.42	0.40
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	0.51	0.45
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	2.08	1.97
tblVehicleEF	HHD	1.25	1.28
tblVehicleEF	HHD	4.22	4.38

tblVehicleEF	HHD	3,554.73	3,455.22
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	12.81	12.04
tblVehicleEF	HHD	1.80	1.68
tblVehicleEF	HHD	19.10	18.97
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1300e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.48	0.45
tblVehicleEF	HHD	8.8000e-005	8.9000e-005

tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	LDA	3.5840e-003	2.9860e-003
tblVehicleEF	LDA	3.9920e-003	3.1350e-003
tblVehicleEF	LDA	0.52	0.45
tblVehicleEF	LDA	0.92	0.78
tblVehicleEF	LDA	242.31	221.65
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.0380e-003	7.5160e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.4260e-003	2.2190e-003
tblVehicleEF	LDA	5.5500e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	3.7860e-003	3.1560e-003

tblVehicleEF	LDA	3.5910e-003	2.8240e-003
tblVehicleEF	LDA	0.56	0.49
tblVehicleEF	LDA	0.80	0.67
tblVehicleEF	LDA	252.48	230.94
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	9.5380e-003	7.9370e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.5280e-003	2.3120e-003
tblVehicleEF	LDA	5.5300e-004	5.0800e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	3.5150e-003	2.9280e-003
tblVehicleEF	LDA	4.0740e-003	3.1990e-003
tblVehicleEF	LDA	0.50	0.44
tblVehicleEF	LDA	0.95	0.80
tblVehicleEF	LDA	238.56	218.23

tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	8.8680e-003	7.3740e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.3880e-003	2.1840e-003
tblVehicleEF	LDA	5.5600e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDT1	8.0440e-003	6.5640e-003
tblVehicleEF	LDT1	0.01	8.9170e-003
tblVehicleEF	LDT1	1.00	0.85
tblVehicleEF	LDT1	2.24	1.85
tblVehicleEF	LDT1	303.32	282.04
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003

tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	3.0440e-003	2.8290e-003
tblVehicleEF	LDT1	7.1900e-004	6.7100e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	8.4500e-003	6.9040e-003
tblVehicleEF	LDT1	9.9950e-003	8.0030e-003
tblVehicleEF	LDT1	1.08	0.91
tblVehicleEF	LDT1	1.93	1.60
tblVehicleEF	LDT1	315.58	293.45
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.08	0.06
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.15	0.14

tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	3.1680e-003	2.9440e-003
tblVehicleEF	LDT1	7.1300e-004	6.6600e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	7.9040e-003	6.4480e-003
tblVehicleEF	LDT1	0.01	9.1050e-003
tblVehicleEF	LDT1	0.97	0.82
tblVehicleEF	LDT1	2.30	1.91
tblVehicleEF	LDT1	298.79	277.83
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.15

tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	2.9980e-003	2.7870e-003
tblVehicleEF	LDT1	7.2000e-004	6.7200e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT2	4.9710e-003	4.2560e-003
tblVehicleEF	LDT2	5.3310e-003	4.3490e-003
tblVehicleEF	LDT2	0.67	0.60
tblVehicleEF	LDT2	1.19	1.03
tblVehicleEF	LDT2	342.73	316.54
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.4320e-003	3.1690e-003
tblVehicleEF	LDT2	7.8300e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	5.2490e-003	4.4960e-003
tblVehicleEF	LDT2	4.8000e-003	3.9210e-003
tblVehicleEF	LDT2	0.73	0.66
tblVehicleEF	LDT2	1.03	0.90
tblVehicleEF	LDT2	356.77	329.50
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	3.5730e-003	3.2990e-003
tblVehicleEF	LDT2	7.8100e-004	7.2400e-004
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05

tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	4.8770e-003	4.1760e-003
tblVehicleEF	LDT2	5.4400e-003	4.4370e-003
tblVehicleEF	LDT2	0.65	0.58
tblVehicleEF	LDT2	1.22	1.06
tblVehicleEF	LDT2	337.54	311.75
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.3800e-003	3.1210e-003
tblVehicleEF	LDT2	7.8400e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.3180e-003	6.6120e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.21	1.93
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	0.93	0.83
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.22	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5200e-004	3.2700e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.4720e-003	6.7190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.65	0.54
tblVehicleEF	LHD1	2.11	1.85
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.00	0.83
tblVehicleEF	LHD1	0.90	0.80
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.26	0.25

tblVehicleEF	LHD1	0.22	0.18
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7620e-003	5.6340e-003
tblVehicleEF	LHD1	3.5100e-004	3.2600e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.24	0.20
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.2770e-003	6.5830e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.22	1.94
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.05	0.86
tblVehicleEF	LHD1	0.94	0.84
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003

tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.23	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5300e-004	3.2700e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3120e-003	2.7710e-003
tblVehicleEF	LHD2	7.2560e-003	5.7240e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.05
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.46
tblVehicleEF	LHD2	0.51	0.43

tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3450e-003	2.7950e-003
tblVehicleEF	LHD2	7.0320e-003	5.5590e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25

tblVehicleEF	LHD2	1.13	1.01
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.43
tblVehicleEF	LHD2	0.49	0.41
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.05	0.04

tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3030e-003	2.7640e-003
tblVehicleEF	LHD2	7.3020e-003	5.7580e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.06
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.45
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004

tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.11	17.78
tblVehicleEF	MCY	9.59	9.63
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.12	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.35	2.33
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.03	2.01
tblVehicleEF	MCY	2.1510e-003	2.1500e-003
tblVehicleEF	MCY	6.6200e-004	6.5500e-004
tblVehicleEF	MCY	1.13	1.12

tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.93	2.91
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.46	17.16
tblVehicleEF	MCY	8.83	8.85
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.30	2.28
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.83	1.81
tblVehicleEF	MCY	6.4300e-004	6.3600e-004
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.86	2.85
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.99	1.97

tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.21	17.87
tblVehicleEF	MCY	9.71	9.76
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.36	2.34
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.07	2.05
tblVehicleEF	MCY	2.1530e-003	2.1520e-003
tblVehicleEF	MCY	6.6500e-004	6.5800e-004
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.94	2.92
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.25	2.23
tblVehicleEF	MDV	9.1870e-003	7.5110e-003
tblVehicleEF	MDV	0.01	9.2910e-003
tblVehicleEF	MDV	1.04	0.89
tblVehicleEF	MDV	2.15	1.78

tblVehicleEF	MDV	467.69	434.17
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6820e-003	4.3440e-003
tblVehicleEF	MDV	1.0560e-003	9.8200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	9.6820e-003	7.9230e-003
tblVehicleEF	MDV	0.01	8.3650e-003
tblVehicleEF	MDV	1.13	0.96
tblVehicleEF	MDV	1.86	1.54
tblVehicleEF	MDV	486.30	451.43
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.18	0.14

tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	4.8690e-003	4.5180e-003
tblVehicleEF	MDV	1.0510e-003	9.7800e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.16	0.12
tblVehicleEF	MDV	9.0170e-003	7.3710e-003
tblVehicleEF	MDV	0.01	9.4820e-003
tblVehicleEF	MDV	1.01	0.86
tblVehicleEF	MDV	2.21	1.83
tblVehicleEF	MDV	460.81	427.80
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.20	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003

tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6120e-003	4.2800e-003
tblVehicleEF	MDV	1.0570e-003	9.8300e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.49	1.13
tblVehicleEF	MH	4.71	4.26
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.24	1.09
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05

tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5000e-004	6.3900e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.27
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.53	1.16
tblVehicleEF	MH	4.46	4.04
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.67	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.07	0.05

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.4600e-004	6.3500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.48	1.12
tblVehicleEF	MH	4.74	4.29
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.22	1.07
tblVehicleEF	MH	0.71	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5100e-004	6.4000e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9430e-003	2.4630e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.33	0.32
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.08	4.27
tblVehicleEF	MHD	141.00	145.52
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.36	0.37
tblVehicleEF	MHD	0.69	0.67
tblVehicleEF	MHD	10.82	11.16
tblVehicleEF	MHD	7.6000e-005	6.2000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	7.2000e-005	6.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	6.2700e-004

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.31	0.27
tblVehicleEF	MHD	1.3570e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7100e-004	6.2800e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.34	0.29
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.9770e-003	2.4860e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.24	0.23
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	4.84	4.07
tblVehicleEF	MHD	149.34	154.13
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.37	0.38
tblVehicleEF	MHD	0.65	0.64
tblVehicleEF	MHD	10.79	11.13
tblVehicleEF	MHD	6.4000e-005	5.3000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	6.1000e-005	5.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003

tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.30	0.26
tblVehicleEF	MHD	1.4350e-003	1.4810e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.6700e-004	6.2500e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.33	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9330e-003	2.4570e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.12	4.31
tblVehicleEF	MHD	129.46	133.61
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.34	0.36
tblVehicleEF	MHD	0.68	0.66
tblVehicleEF	MHD	10.83	11.17

tblVehicleEF	MHD	9.2000e-005	7.6000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	8.8000e-005	7.3000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.27
tblVehicleEF	MHD	1.2480e-003	1.2870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7200e-004	6.2900e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8760e-003	4.8420e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.05	4.65
tblVehicleEF	OBUS	76.29	77.10

tblVehicleEF	OBUS	1,208.63	1,201.04
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tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.55	0.56
tblVehicleEF	OBUS	1.99	1.93
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	7.4000e-004	7.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	7.7000e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.9810e-003	4.9210e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24

tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	4.79	4.41
tblVehicleEF	OBUS	79.82	80.67
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.51	0.52
tblVehicleEF	OBUS	1.96	1.90
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.28
tblVehicleEF	OBUS	7.7400e-004	7.8200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	7.6600e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	5.8450e-003	4.8180e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.09	4.69
tblVehicleEF	OBUS	71.43	72.16
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.54	0.55
tblVehicleEF	OBUS	2.00	1.94
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.30
tblVehicleEF	OBUS	6.9400e-004	7.0100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	7.7000e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.38	8.62
tblVehicleEF	SBUS	1.03	0.85
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tblVehicleEF	SBUS	1,100.64	1,070.68
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.42	7.09
tblVehicleEF	SBUS	3.91	3.21
tblVehicleEF	SBUS	11.93	11.39
tblVehicleEF	SBUS	8.0260e-003	5.9080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	7.6790e-003	5.6520e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
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tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.44
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	7.3600e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
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tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	0.06
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tblVehicleEF	SBUS	1,149.38	1,116.92
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tblVehicleEF	SBUS	11.90	11.36
tblVehicleEF	SBUS	6.7660e-003	4.9800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	6.4740e-003	4.7650e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003

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tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.40
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	7.1200e-004
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tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
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tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	9.3440e-003	6.8780e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
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tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
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tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
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tblVehicleEF	SBUS	0.01	9.9070e-003
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tblVehicleEF	SBUS	7.2600e-004	7.3900e-004
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tblVehicleEF	SBUS	1.45	1.49
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
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tblVehicleEF	SBUS	0.52	0.49
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tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.06	6.98
tblVehicleEF	UBUS	12.43	11.13
tblVehicleEF	UBUS	1,803.73	1,782.08
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tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	0.44	0.29
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.94	0.88
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5920e-003	1.5890e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
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tblVehicleEF	UBUS	10.96	9.86
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
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tblVehicleEF	UBUS	13.05	12.78
tblVehicleEF	UBUS	0.52	0.51

tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	0.44	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.87	0.82
tblVehicleEF	UBUS	8.5780e-003	8.4530e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	2.18	1.83
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.05	6.97
tblVehicleEF	UBUS	12.68	11.35
tblVehicleEF	UBUS	1,803.73	1,782.08
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tblVehicleEF	UBUS	13.14	12.86
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22

tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	0.43	0.29
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5960e-003	1.5930e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	2.17	1.82
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	1.04	0.98
tblWater	IndoorWaterUseRate	16,002,500.00	15,466,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.5292	30.1894	28.0799	0.0528	3.4471	1.4317	4.8788	0.5849	1.3563	1.9413	0.0000	5,013.2790	5,013.2790	0.9723	0.0000	5,037.5874
Maximum	3.5292	30.1894	28.0799	0.0528	3.4471	1.4317	4.8788	0.5849	1.3563	1.9413	0.0000	5,013.2790	5,013.2790	0.9723	0.0000	5,037.5874

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.7657	5.9946	29.2355	0.0528	1.6736	0.0727	1.7463	0.3164	0.0724	0.3888	0.0000	5,013.2790	5,013.2790	0.9723	0.0000	5,037.5874
Maximum	0.7657	5.9946	29.2355	0.0528	1.6736	0.0727	1.7463	0.3164	0.0724	0.3888	0.0000	5,013.2790	5,013.2790	0.9723	0.0000	5,037.5874

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	78.31	80.14	-4.12	0.00	51.45	94.92	64.21	45.91	94.66	79.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Total	2.2499	2.9420	9.9611	0.0447	4.5308	0.0597	4.5905	1.2115	0.0575	1.2690		4,784.7150	4,784.7150	0.1749	8.5500e-003	4,791.6345

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Total	2.2499	2.9420	9.9611	0.0447	4.5308	0.0597	4.5905	1.2115	0.0575	1.2690		4,784.7150	4,784.7150	0.1749	8.5500e-003	4,791.6345

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	0		158	0.38
Demolition - 7	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of T Hangers - 7	Cranes	1	6.00	231	0.29
Construction of T Hangers - 7	Forklifts	1	6.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T Hangers - 7	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	7	29.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000			0.0000

Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1339	0.0000	1.1339	0.1717	0.0000	0.1717			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.1339	0.0375	1.1714	0.1717	0.0375	0.2092	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0290	0.9733	0.2961	2.6200e-003	0.0703	1.9400e-003	0.0722	0.0202	1.8500e-003	0.0221		285.5482	285.5482	0.0235		286.1360
Worker	0.1123	0.0630	0.7574	2.7900e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		278.1039	278.1039	5.6100e-003		278.2441
Total	0.1413	1.0364	1.0535	5.4100e-003	0.3944	4.0000e-003	0.3984	0.1062	3.7400e-003	0.1099		563.6521	563.6521	0.0291		564.3802

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0290	0.9733	0.2961	2.6200e-003	0.0703	1.9400e-003	0.0722	0.0202	1.8500e-003	0.0221		285.5482	285.5482	0.0235		286.1360
Worker	0.1123	0.0630	0.7574	2.7900e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		278.1039	278.1039	5.6100e-003		278.2441
Total	0.1413	1.0364	1.0535	5.4100e-003	0.3944	4.0000e-003	0.3984	0.1062	3.7400e-003	0.1099		563.6521	563.6521	0.0291		564.3802

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Unmitigated	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	482.32	91.34	47.06	1,613,171	1,613,171
Total	482.32	91.34	47.06	1,613,171	1,613,171

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
NaturalGas Unmitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3962.41	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.96241	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 8-9 Alt1 Mitigation - Orange County, Summer

**JWA Phase 8-9 Alt1 Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	34.50	1000sqft	0.79	34,497.00	0
Other Non-Asphalt Surfaces	6.72	1000sqft	0.15	6,723.00	0
Other Non-Asphalt Surfaces	111.09	1000sqft	2.55	111,087.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - * Defined in project schedule and ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	9138	3941
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	78.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	8.00	36.00
tblConstructionPhase	NumDays	18.00	36.00
tblConstructionPhase	NumDays	18.00	42.00
tblConstructionPhase	NumDays	18.00	28.00
tblLandUse	LandUseSquareFeet	34,500.00	34,497.00
tblLandUse	LandUseSquareFeet	111,090.00	111,087.00
tblLandUse	LandUseSquareFeet	6,720.00	6,723.00
tblTripsAndVMT	HaulingTripNumber	505.00	0.00
tblTripsAndVMT	HaulingTripNumber	243.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2023	5.1171	48.3004	47.9063	0.0923	10.5284	2.2116	12.7400	4.0331	2.0466	6.0797	0.0000	8,912.2301	8,912.2301	2.5550	0.0000	8,976.1054
Maximum	5.1171	48.3004	47.9063	0.0923	10.5284	2.2116	12.7400	4.0331	2.0466	6.0797	0.0000	8,912.2301	8,912.2301	2.5550	0.0000	8,976.1054

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.2639	6.1939	55.8867	0.0923	4.4470	0.1428	4.5898	1.6633	0.1425	1.8059	0.0000	8,912.2301	8,912.2301	2.5550	0.0000	8,976.1054
Maximum	1.2639	6.1939	55.8867	0.0923	4.4470	0.1428	4.5898	1.6633	0.1425	1.8059	0.0000	8,912.2301	8,912.2301	2.5550	0.0000	8,976.1054

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.30	87.18	-16.66	0.00	57.76	93.54	63.97	58.76	93.04	70.30	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.4268	0.5185	1.9140	7.8700e-003	0.7538	7.1600e-003	0.7609	0.2016	6.7800e-003	0.2084		814.8257	814.8257	0.0307	5.4000e-004	815.7542

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.4268	0.5185	1.9140	7.8700e-003	0.7538	7.1600e-003	0.7609	0.2016	6.7800e-003	0.2084		814.8257	814.8257	0.0307	5.4000e-004	815.7542

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 8	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 8	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 8	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9	Building Construction	6/1/2023	9/18/2023	5	78	

6	Construction of Park Spaces / Lighting - 9	Paving	9/18/2023	11/14/2023	5	42
7	Misc Concrete - 9	Paving	11/14/2023	12/21/2023	5	28

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 8	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 8	Excavators	3	8.00	158	0.38
Demolition - 8	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 8	Tractors/Loaders/Backhoes	0		97	0.37
Construction Trench Drains and Site Utilities - 8	Excavators	1	8.00	158	0.38
Construction Trench Drains and Site Utilities - 8	Graders	1	8.00	187	0.41
Construction Trench Drains and Site Utilities - 8	Rubber Tired Dozers	1	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Concrete - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Concrete - 8	Graders	0		187	0.41
Concrete - 8	Pavers	1	8.00	130	0.42
Concrete - 8	Paving Equipment	2	6.00	132	0.36
Concrete - 8	Rollers	2	6.00	80	0.38
Concrete - 8	Rubber Tired Dozers	0		247	0.40
Concrete - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9	Cranes	0		231	0.29
Demolition - 9	Excavators	3	8.00	158	0.38
Demolition - 9	Forklifts	0		89	0.20
Demolition - 9	Generator Sets	0		84	0.74

Demolition - 9	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 9	Tractors/Loaders/Backhoes	0		97	0.37
Demolition - 9	Welders	0		46	0.45
Construction of Flight School Office - 9	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9	Cranes	1	7.00	231	0.29
Construction of Flight School Office - 9	Forklifts	3	8.00	89	0.20
Construction of Flight School Office - 9	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9	Pavers	0		130	0.42
Construction of Flight School Office - 9	Paving Equipment	0		132	0.36
Construction of Flight School Office - 9	Rollers	0		80	0.38
Construction of Flight School Office - 9	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Flight School Office - 9	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 9	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 9	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting - 9	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting - 9	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting - 9	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting - 9	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc Concrete - 9	Cement and Mortar Mixers	2	6.00	9	0.56
Misc Concrete - 9	Pavers	1	8.00	130	0.42
Misc Concrete - 9	Paving Equipment	2	6.00	132	0.36
Misc Concrete - 9	Rollers	2	6.00	80	0.38
Misc Concrete - 9	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 8	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 8	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Demolition - 9	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Flight School Office - 9	9	67.00	27.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4172	0.0000	3.4172	0.5174	0.0000	0.5174			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	3.4172	0.9975	4.4147	0.5174	0.9280	1.4454		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003	146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003	146.2070

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					1.3327	0.0000	1.3327	0.2018	0.0000	0.2018			0.0000				0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494			3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	1.3327	0.0616	1.3943	0.2018	0.0616	0.2634	0.0000	3,746.9840	3,746.9840	1.0494			3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003			146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003			146.2070

3.3 Construction Trench Drains and Site Utilities - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.5523	0.7749	7.3273	3.3675	0.7129	4.0804		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	0.3632	1.5737	17.7527	0.0297	2.5554	0.0484	2.6038	1.3133	0.0484	1.3617	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

3.4 Concrete - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003			194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003			194.9427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2769	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

3.5 Demolition - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					1.6401	0.0000	1.6401	0.2483	0.0000	0.2483			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.6401	0.9975	2.6376	0.2483	0.9280	1.1763		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6396	0.0000	0.6396	0.0968	0.0000	0.0968			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	0.6396	0.0616	0.7013	0.0968	0.0616	0.1585	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

3.6 Construction of Flight School Office - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0516	1.8087	0.6191	6.3700e-003	0.1725	2.1800e-003	0.1747	0.0496	2.0800e-003	0.0517		696.7797	696.7797	0.0513		698.0609
Worker	0.2164	0.1204	1.7713	6.5400e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		652.7472	652.7472	0.0124		653.0581
Total	0.2680	1.9291	2.3903	0.0129	0.9214	6.8500e-003	0.9282	0.2483	6.3800e-003	0.2546		1,349.5268	1,349.5268	0.0637		1,351.1189

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0516	1.8087	0.6191	6.3700e-003	0.1725	2.1800e-003	0.1747	0.0496	2.0800e-003	0.0517		696.7797	696.7797	0.0513		698.0609
Worker	0.2164	0.1204	1.7713	6.5400e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		652.7472	652.7472	0.0124		653.0581
Total	0.2680	1.9291	2.3903	0.0129	0.9214	6.8500e-003	0.9282	0.2483	6.3800e-003	0.2546		1,349.5268	1,349.5268	0.0637		1,351.1189

3.7 Construction of Park Spaces / Lighting - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003			194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003			194.9427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2687	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

3.8 Misc Concrete - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2934	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Unmitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Unmitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 8-9 Alt1 Mitigation - Orange County, Winter

**JWA Phase 8-9 Alt1 Mitigation
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	34.50	1000sqft	0.79	34,497.00	0
Other Non-Asphalt Surfaces	6.72	1000sqft	0.15	6,723.00	0
Other Non-Asphalt Surfaces	111.09	1000sqft	2.55	111,087.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - * Defined in project schedule and ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	9138	3941
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	78.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	8.00	36.00
tblConstructionPhase	NumDays	18.00	36.00
tblConstructionPhase	NumDays	18.00	42.00
tblConstructionPhase	NumDays	18.00	28.00
tblLandUse	LandUseSquareFeet	34,500.00	34,497.00
tblLandUse	LandUseSquareFeet	111,090.00	111,087.00
tblLandUse	LandUseSquareFeet	6,720.00	6,723.00
tblTripsAndVMT	HaulingTripNumber	505.00	0.00
tblTripsAndVMT	HaulingTripNumber	243.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2023	5.1394	48.3092	47.8005	0.0921	10.5284	2.2116	12.7400	4.0331	2.0466	6.0797	0.0000	8,886.1846	8,886.1846	2.5545	0.0000	8,950.0470
Maximum	5.1394	48.3092	47.8005	0.0921	10.5284	2.2116	12.7400	4.0331	2.0466	6.0797	0.0000	8,886.1846	8,886.1846	2.5545	0.0000	8,950.0470

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.2863	6.1981	55.7808	0.0921	4.4470	0.1428	4.5898	1.6633	0.1425	1.8059	0.0000	8,886.1846	8,886.1846	2.5545	0.0000	8,950.0470
Maximum	1.2863	6.1981	55.7808	0.0921	4.4470	0.1428	4.5898	1.6633	0.1425	1.8059	0.0000	8,886.1846	8,886.1846	2.5545	0.0000	8,950.0470

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	74.97	87.17	-16.70	0.00	57.76	93.54	63.97	58.76	93.04	70.30	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.4241	0.5318	1.8282	7.5300e-003	0.7538	7.1800e-003	0.7610	0.2016	6.8000e-003	0.2084		780.5889	780.5889	0.0306	5.4000e-004	781.5153

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.4241	0.5318	1.8282	7.5300e-003	0.7538	7.1800e-003	0.7610	0.2016	6.8000e-003	0.2084		780.5889	780.5889	0.0306	5.4000e-004	781.5153

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 8	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 8	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 8	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9	Building Construction	6/1/2023	9/18/2023	5	78	

6	Construction of Park Spaces / Lighting - 9	Paving	9/18/2023	11/14/2023	5	42
7	Misc Concrete - 9	Paving	11/14/2023	12/21/2023	5	28

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 8	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 8	Excavators	3	8.00	158	0.38
Demolition - 8	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 8	Tractors/Loaders/Backhoes	0		97	0.37
Construction Trench Drains and Site Utilities - 8	Excavators	1	8.00	158	0.38
Construction Trench Drains and Site Utilities - 8	Graders	1	8.00	187	0.41
Construction Trench Drains and Site Utilities - 8	Rubber Tired Dozers	1	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Concrete - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Concrete - 8	Graders	0		187	0.41
Concrete - 8	Pavers	1	8.00	130	0.42
Concrete - 8	Paving Equipment	2	6.00	132	0.36
Concrete - 8	Rollers	2	6.00	80	0.38
Concrete - 8	Rubber Tired Dozers	0		247	0.40
Concrete - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9	Cranes	0		231	0.29
Demolition - 9	Excavators	3	8.00	158	0.38
Demolition - 9	Forklifts	0		89	0.20
Demolition - 9	Generator Sets	0		84	0.74

Demolition - 9	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 9	Tractors/Loaders/Backhoes	0		97	0.37
Demolition - 9	Welders	0		46	0.45
Construction of Flight School Office - 9	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9	Cranes	1	7.00	231	0.29
Construction of Flight School Office - 9	Forklifts	3	8.00	89	0.20
Construction of Flight School Office - 9	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9	Pavers	0		130	0.42
Construction of Flight School Office - 9	Paving Equipment	0		132	0.36
Construction of Flight School Office - 9	Rollers	0		80	0.38
Construction of Flight School Office - 9	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Flight School Office - 9	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting - 9	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 9	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting - 9	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting - 9	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting - 9	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting - 9	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc Concrete - 9	Cement and Mortar Mixers	2	6.00	9	0.56
Misc Concrete - 9	Pavers	1	8.00	130	0.42
Misc Concrete - 9	Paving Equipment	2	6.00	132	0.36
Misc Concrete - 9	Rollers	2	6.00	80	0.38
Misc Concrete - 9	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 8	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 8	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Demolition - 9	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Flight School Office - 9	9	67.00	27.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4172	0.0000	3.4172	0.5174	0.0000	0.5174			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	3.4172	0.9975	4.4147	0.5174	0.9280	1.4454		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003	138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003	138.3895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3327	0.0000	1.3327	0.2018	0.0000	0.2018			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	1.3327	0.0616	1.3943	0.2018	0.0616	0.2634	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

3.3 Construction Trench Drains and Site Utilities - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.5523	0.7749	7.3273	3.3675	0.7129	4.0804		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	0.3632	1.5737	17.7527	0.0297	2.5554	0.0484	2.6038	1.3133	0.0484	1.3617	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

3.4 Concrete - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2769	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

3.5 Demolition - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					1.6401	0.0000	1.6401	0.2483	0.0000	0.2483			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.6401	0.9975	2.6376	0.2483	0.9280	1.1763		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648		1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454	138.3238	138.3238	2.6300e-003		138.3895

Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.6396	0.0000	0.6396	0.0968	0.0000	0.0968			0.0000				0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494			3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	0.6396	0.0616	0.7013	0.0968	0.0616	0.1585	0.0000	3,746.9840	3,746.9840	1.0494			3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003			138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003			138.3895

3.6 Construction of Flight School Office - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0542	1.7983	0.6677	6.2200e-003	0.1725	2.3100e-003	0.1748	0.0496	2.2100e-003	0.0519		679.8850	679.8850	0.0534		681.2190
Worker	0.2464	0.1322	1.6294	6.1900e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		617.8461	617.8461	0.0118		618.1398
Total	0.3006	1.9305	2.2971	0.0124	0.9214	6.9800e-003	0.9284	0.2483	6.5100e-003	0.2548		1,297.7311	1,297.7311	0.0651		1,299.3588

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0542	1.7983	0.6677	6.2200e-003	0.1725	2.3100e-003	0.1748	0.0496	2.2100e-003	0.0519		679.8850	679.8850	0.0534		681.2190
Worker	0.2464	0.1322	1.6294	6.1900e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		617.8461	617.8461	0.0118		618.1398
Total	0.3006	1.9305	2.2971	0.0124	0.9214	6.9800e-003	0.9284	0.2483	6.5100e-003	0.2548		1,297.7311	1,297.7311	0.0651		1,299.3588

3.7 Construction of Park Spaces / Lighting - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2687	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606	184.4317	184.4317	3.5100e-003		184.5194	
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

3.8 Misc Concrete - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606	184.4317	184.4317	3.5100e-003			184.5194

Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2934	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Unmitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Unmitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 ALT1 - Orange County, Summer

**JWA Phase 10 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblSolidWaste	SolidWasteGenerationRate	63.24	59.92
tblTripsAndVMT	HaulingTripNumber	591.00	0.00
tblTripsAndVMT	WorkerTripNumber	54.00	53.00
tblWater	IndoorWaterUseRate	11,793,750.00	11,174,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5145	14.3418	13.8014	0.0254	4.0203	0.6775	4.6978	0.6252	0.6336	1.2588	0.0000	2,451.0483	2,451.0483	0.5917	0.0000	2,465.8466
2024	5.4989	50.1690	50.7057	0.1011	11.5786	2.1450	13.7236	4.2626	2.0037	6.2662	0.0000	9,709.4525	9,709.4525	2.2569	0.0000	9,765.8749
Maximum	5.4989	50.1690	50.7057	0.1011	11.5786	2.1450	13.7236	4.2626	2.0037	6.2662	0.0000	9,709.4525	9,709.4525	2.2569	0.0000	9,765.8749

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2023	0.3231	1.2413	15.0621	0.0254	1.6565	0.0384	1.6949	0.2674	0.0383	0.3057	0.0000	2,451.0483	2,451.0483	0.5917	0.0000	2,465.8406
2024	1.3913	8.6308	56.2456	0.1011	5.2180	0.1422	5.3602	1.8505	0.1417	1.9921	0.0000	9,709.4525	9,709.4525	2.2569	0.0000	9,765.8748
Maximum	1.3913	8.6308	56.2456	0.1011	5.2180	0.1422	5.3602	1.8505	0.1417	1.9921	0.0000	9,709.4525	9,709.4525	2.2569	0.0000	9,765.8748

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.56	84.70	-10.54	0.00	55.93	93.60	61.70	56.67	93.18	69.46	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279
Total	1.6928	2.1116	7.7620	0.0344	3.3392	0.0440	3.3831	0.8929	0.0423	0.9352		3,668.9412	3,668.9412	0.1297	6.3000e-003	3,674.0610

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279
Total	1.6928	2.1116	7.7620	0.0344	3.3392	0.0440	3.3831	0.8929	0.0423	0.9352		3,668.9412	3,668.9412	0.1297	6.3000e-003	3,674.0610

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator-Drum Storage Area - 10	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator-Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator-Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator-Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20
Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8750	0.6766	4.5516	0.5867	0.6328	1.2195		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562

Total	1.4397	13.8867	13.4879	0.0241	3.8750	0.6311	4.5061	0.5867	0.5895	1.1762		2,324.9459	2,324.9459	0.5884		2,339.6562
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884

**3.3 Construction of Waste Oil Separator-Drum Storage Area -
Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	6.5523	0.5722	7.1246	3.3675	0.5265	3.8939		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000				0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.5803	1,995.5803	0.6454			2,011.7155
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,995.5803	1,995.5803	0.6454			2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1627	0.0867	1.3043	4.9700e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		495.8908	495.8908	8.9300e-003		496.1141
Total	0.2015	1.4759	1.7758	9.8800e-003	0.7266	5.2900e-003	0.7319	0.1957	4.9200e-003	0.2006		1,033.5256	1,033.5256	0.0482		1,034.7304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1627	0.0867	1.3043	4.9700e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		495.8908	495.8908	8.9300e-003		496.1141
Total	0.2015	1.4759	1.7758	9.8800e-003	0.7266	5.2900e-003	0.7319	0.1957	4.9200e-003	0.2006		1,033.5256	1,033.5256	0.0482		1,034.7304

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279
Unmitigated	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	355.47	67.32	34.68	1,188,898	1,188,898
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	355.47	67.32	34.68	1,188,898	1,188,898

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day											lb/day					
NaturalGas Mitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
NaturalGas Unmitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	2920.27	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	2.92027	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Unmitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 ALT1 - Orange County, Winter

**JWA Phase 10 ALT1
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblSolidWaste	SolidWasteGenerationRate	63.24	59.92
tblTripsAndVMT	HaulingTripNumber	591.00	0.00
tblTripsAndVMT	WorkerTripNumber	54.00	53.00
tblWater	IndoorWaterUseRate	11,793,750.00	11,174,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5203	14.3441	13.7738	0.0253	4.0203	0.6775	4.6978	0.6252	0.6336	1.2588	0.0000	2,444.2765	2,444.2765	0.5916	0.0000	2,459.0654
2024	5.5406	50.1758	50.5610	0.1005	11.5786	2.1451	13.7237	4.2626	2.0038	6.2663	0.0000	9,650.9662	9,650.9662	2.2576	0.0000	9,707.4057
Maximum	5.5406	50.1758	50.5610	0.1005	11.5786	2.1451	13.7237	4.2626	2.0038	6.2663	0.0000	9,650.9662	9,650.9662	2.2576	0.0000	9,707.4057

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2023	0.3289	1.2436	15.0346	0.0253	1.6565	0.0384	1.6949	0.2674	0.0383	0.3057	0.0000	2,444.2765	2,444.2765	0.5916	0.0000	2,459.0654
2024	1.4330	8.6376	56.1009	0.1005	5.2180	0.1423	5.3603	1.8505	0.1417	1.9922	0.0000	9,650.9662	9,650.9662	2.2576	0.0000	9,707.4057
Maximum	1.4330	8.6376	56.1009	0.1005	5.2180	0.1423	5.3603	1.8505	0.1417	1.9922	0.0000	9,650.9662	9,650.9662	2.2576	0.0000	9,707.4057

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.05	84.69	-10.57	0.00	55.93	93.60	61.70	56.67	93.17	69.46	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Total	1.6835	2.1683	7.3492	0.0330	3.3392	0.0440	3.3832	0.8929	0.0424	0.9353		3,526.3242	3,526.3242	0.1289	6.3000e-003	3,531.4249

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Total	1.6835	2.1683	7.3492	0.0330	3.3392	0.0440	3.3832	0.8929	0.0424	0.9353		3,526.3242	3,526.3242	0.1289	6.3000e-003	3,531.4249

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator-Drum Storage Area - 10	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator-Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator-Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator-Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20
Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	53.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8750	0.6766	4.5516	0.5867	0.6328	1.2195		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562

Total	1.4397	13.8867	13.4879	0.0241	3.8750	0.6311	4.5061	0.5867	0.5895	1.1762		2,324.9459	2,324.9459	0.5884		2,339.6562
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831

**3.3 Construction of Waste Oil Separator-Drum Storage Area -
Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	6.5523	0.5722	7.1246	3.3675	0.5265	3.8939		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1859	0.0952	1.1986	4.7000e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		469.3818	469.3818	8.4300e-003		469.5926
Total	0.2266	1.4766	1.7068	9.4900e-003	0.7266	5.3800e-003	0.7320	0.1957	5.0100e-003	0.2007		994.0457	994.0457	0.0492		995.2767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1859	0.0952	1.1986	4.7000e-003	0.5924	3.6300e-003	0.5961	0.1571	3.3400e-003	0.1605		469.3818	469.3818	8.4300e-003		469.5926
Total	0.2266	1.4766	1.7068	9.4900e-003	0.7266	5.3800e-003	0.7320	0.1957	5.0100e-003	0.2007		994.0457	994.0457	0.0492		995.2767

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Unmitigated	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	355.47	67.32	34.68	1,188,898	1,188,898
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	355.47	67.32	34.68	1,188,898	1,188,898

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
NaturalGas Unmitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	2920.27	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	2.92027	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218			343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Unmitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 ALT1 Mitigated - Orange County, Summer

**JWA Phase 11 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	76.00	1000sqft	1.74	76,000.00	0
Other Non-Asphalt Surfaces	96.69	1000sqft	2.22	96,687.00	0
Parking Lot	33.60	1000sqft	0.77	33,597.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined by project schedule and RON estimate
- Construction Phase - * Defined in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Grading -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	38000	34772
tblAreaCoating	Area_Nonresidential_Interior	114000	104316
tblAreaCoating	Area_Parking	7817	1155
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	126.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	18.00	26.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	96,690.00	96,687.00
tblLandUse	LandUseSquareFeet	33,600.00	33,597.00
tblSolidWaste	SolidWasteGenerationRate	94.24	86.23
tblTripsAndVMT	HaulingTripNumber	705.00	0.00
tblWater	IndoorWaterUseRate	17,575,000.00	16,081,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.0912	36.7379	44.4975	0.0847	5.4830	1.5832	7.0662	0.9896	1.4781	2.4676	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626
2025	1.6837	14.8203	18.8379	0.0427	1.1897	0.5361	1.7257	0.3204	0.5042	0.8246	0.0000	4,202.6306	4,202.6306	0.6771	0.0000	4,219.5578

Maximum	4.0912	36.7379	44.4975	0.0847	5.4830	1.5832	7.0662	0.9896	1.4781	2.4676	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.3500	6.6540	48.4136	0.0847	2.9664	0.1121	3.0785	0.6085	0.1114	0.7199	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626
2025	0.6441	4.5853	20.2135	0.0427	1.1897	0.0493	1.2390	0.3204	0.0487	0.3691	0.0000	4,202.6306	4,202.6306	0.6771	0.0000	4,219.5578
Maximum	1.3500	6.6540	48.4136	0.0847	2.9664	0.1121	3.0785	0.6085	0.1114	0.7199	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	65.47	78.20	-8.36	0.00	37.72	92.38	50.89	29.09	91.92	66.92	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Total	2.5144	3.1468	11.5684	0.0512	4.9760	0.0655	5.0415	1.3306	0.0631	1.3937		5,467.4450	5,467.4450	0.1933	9.3900e-003	5,475.0748

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Total	2.5144	3.1468	11.5684	0.0512	4.9760	0.0655	5.0415	1.3306	0.0631	1.3937		5,467.4450	5,467.4450	0.1933	9.3900e-003	5,475.0748

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of FBO Hangars - 11	Building Construction	7/29/2024	1/20/2025	5	126	
3	Misc. Concrete - 11	Paving	9/24/2024	10/29/2024	5	26	
4	Construction of Park Spaces / Lighting - 11	Paving	10/29/2024	12/19/2024	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Excavators	3	8.00	158	0.38
Demolition - 11	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	0		97	0.37
Construction of FBO Hangars - 11	Cranes	1	7.00	231	0.29
Construction of FBO Hangars - 11	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars - 11	Graders	0		187	0.41
Construction of FBO Hangars - 11	Scrapers	0		367	0.48
Construction of FBO Hangars - 11	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars - 11	Welders	1	8.00	46	0.45
Misc. Concrete - 11	Cement and Mortar Mixers	2	6.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	2	6.00	132	0.36
Misc. Concrete - 11	Rollers	2	6.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45
Construction of Park Spaces / Lighting 11	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting 11	Graders	0		187	0.41
Construction of Park Spaces / Lighting 11	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting 11	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting 11	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting 11	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars - 11	9	87.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1257	0.0000	4.1257	0.6247	0.0000	0.6247			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	4.1257	0.9602	5.0859	0.6247	0.8922	1.5169		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6090	0.0000	1.6090	0.2436	0.0000	0.2436			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	0.4623	2.0032	23.2798	0.0388	1.6090	0.0616	1.6707	0.2436	0.0616	0.3053	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
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3.3 Construction of FBO Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0627	2.2492	0.7634	7.9400e-003	0.2172	2.6800e-003	0.2199	0.0625	2.5700e-003	0.0651		870.4563	870.4563	0.0636		872.0454
Worker	0.2671	0.1423	2.1410	8.1600e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		814.0094	814.0094	0.0147		814.3760
Total	0.3298	2.3915	2.9044	0.0161	1.1897	8.6400e-003	1.1983	0.3204	8.0600e-003	0.3285		1,684.4658	1,684.4658	0.0782		1,686.4214

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0627	2.2492	0.7634	7.9400e-003	0.2172	2.6800e-003	0.2199	0.0625	2.5700e-003	0.0651		870.4563	870.4563	0.0636		872.0454
Worker	0.2671	0.1423	2.1410	8.1600e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		814.0094	814.0094	0.0147		814.3760
Total	0.3298	2.3915	2.9044	0.0161	1.1897	8.6400e-003	1.1983	0.3204	8.0600e-003	0.3285		1,684.4658	1,684.4658	0.0782		1,686.4214

3.3 Construction of FBO Hangars - 11 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0611	2.2200	0.7546	7.8900e-003	0.2172	2.6300e-003	0.2198	0.0625	2.5100e-003	0.0650		865.0611	865.0611	0.0627		866.6293
Worker	0.2552	0.1306	1.9986	7.8300e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		781.0951	781.0951	0.0134		781.4304
Total	0.3163	2.3506	2.7532	0.0157	1.1897	8.5200e-003	1.1982	0.3204	7.9300e-003	0.3283		1,646.156 2	1,646.1562	0.0761		1,648.059 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0611	2.2200	0.7546	7.8900e-003	0.2172	2.6300e-003	0.2198	0.0625	2.5100e-003	0.0650		865.0611	865.0611	0.0627			866.6293
Worker	0.2552	0.1306	1.9986	7.8300e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		781.0951	781.0951	0.0134			781.4304
Total	0.3163	2.3506	2.7532	0.0157	1.1897	8.5200e-003	1.1982	0.3204	7.9300e-003	0.3283		1,646.1562	1,646.1562	0.0761			1,648.0597

3.4 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2970	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
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3.5 Construction of Park Spaces / Lighting - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2725	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Unmitigated	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	529.72	100.32	51.68	1,771,691	1,771,691
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	529.72	100.32	51.68	1,771,691	1,771,691

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
NaturalGas Unmitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4351.78	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4.35178	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481

Unmitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 ALT1 Mitigated - Orange County, Winter

**JWA Phase 11 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	76.00	1000sqft	1.74	76,000.00	0
Other Non-Asphalt Surfaces	96.69	1000sqft	2.22	96,687.00	0
Parking Lot	33.60	1000sqft	0.77	33,597.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined by project schedule and RON estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Grading -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	38000	34772
tblAreaCoating	Area_Nonresidential_Interior	114000	104316
tblAreaCoating	Area_Parking	7817	1155
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	126.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	18.00	26.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	96,690.00	96,687.00
tblLandUse	LandUseSquareFeet	33,600.00	33,597.00
tblSolidWaste	SolidWasteGenerationRate	94.24	86.23
tblTripsAndVMT	HaulingTripNumber	705.00	0.00
tblWater	IndoorWaterUseRate	17,575,000.00	16,081,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.1389	36.7417	44.3036	0.0839	5.4830	1.5833	7.0663	0.9896	1.4782	2.4678	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732
2025	1.7239	14.8207	18.7325	0.0421	1.1897	0.5362	1.7259	0.3204	0.5043	0.8247	0.0000	4,140.1878	4,140.1878	0.6787	0.0000	4,157.1552

Maximum	4.1389	36.7417	44.3036	0.0839	5.4830	1.5833	7.0663	0.9896	1.4782	2.4678	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4086	6.6577	48.2198	0.0839	2.9664	0.1123	3.0786	0.6085	0.1116	0.7201	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732
2025	0.6843	4.5857	20.1081	0.0421	1.1897	0.0494	1.2391	0.3204	0.0489	0.3693	0.0000	4,140.1878	4,140.1878	0.6787	0.0000	4,157.1552
Maximum	1.4086	6.6577	48.2198	0.0839	2.9664	0.1123	3.0786	0.6085	0.1116	0.7201	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	64.30	78.19	-8.39	0.00	37.72	92.37	50.89	29.09	91.91	66.91	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Total	2.5006	3.2313	10.9532	0.0491	4.9760	0.0656	5.0416	1.3306	0.0632	1.3938		5,254.9178	5,254.9178	0.1922	9.3900e-003	5,262.5191

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Total	2.5006	3.2313	10.9532	0.0491	4.9760	0.0656	5.0416	1.3306	0.0632	1.3938		5,254.9178	5,254.9178	0.1922	9.3900e-003	5,262.5191

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of FBO Hangars - 11	Building Construction	7/29/2024	1/20/2025	5	126	
3	Misc. Concrete - 11	Paving	9/24/2024	10/29/2024	5	26	
4	Construction of Park Spaces / Lighting - 11	Paving	10/29/2024	12/19/2024	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Excavators	3	8.00	158	0.38
Demolition - 11	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	0		97	0.37
Construction of FBO Hangars - 11	Cranes	1	7.00	231	0.29
Construction of FBO Hangars - 11	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars - 11	Graders	0		187	0.41
Construction of FBO Hangars - 11	Scrapers	0		367	0.48
Construction of FBO Hangars - 11	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars - 11	Welders	1	8.00	46	0.45
Misc. Concrete - 11	Cement and Mortar Mixers	2	6.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	2	6.00	132	0.36
Misc. Concrete - 11	Rollers	2	6.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45
Construction of Park Spaces / Lighting 11	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting 11	Graders	0		187	0.41
Construction of Park Spaces / Lighting 11	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting 11	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting 11	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting 11	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars - 11	9	87.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1257	0.0000	4.1257	0.6247	0.0000	0.6247			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	4.1257	0.9602	5.0859	0.6247	0.8922	1.5169		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6090	0.0000	1.6090	0.2436	0.0000	0.2436			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	0.4623	2.0032	23.2798	0.0388	1.6090	0.0616	1.6707	0.2436	0.0616	0.3053	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
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3.3 Construction of FBO Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0659	2.2365	0.8228	7.7600e-003	0.2172	2.8300e-003	0.2201	0.0625	2.7100e-003	0.0652		849.4558	849.4558	0.0661		851.1076
Worker	0.3051	0.1563	1.9675	7.7200e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		770.4947	770.4947	0.0138		770.8407
Total	0.3710	2.3928	2.7903	0.0155	1.1897	8.7900e-003	1.1985	0.3204	8.2000e-003	0.3286		1,619.9505	1,619.9505	0.0799		1,621.9483

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0659	2.2365	0.8228	7.7600e-003	0.2172	2.8300e-003	0.2201	0.0625	2.7100e-003	0.0652		849.4558	849.4558	0.0661		851.1076
Worker	0.3051	0.1563	1.9675	7.7200e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		770.4947	770.4947	0.0138		770.8407
Total	0.3710	2.3928	2.7903	0.0155	1.1897	8.7900e-003	1.1985	0.3204	8.2000e-003	0.3286		1,619.9505	1,619.9505	0.0799		1,621.9483

3.3 Construction of FBO Hangars - 11 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0642	2.2076	0.8125	7.7000e-003	0.2172	2.7600e-003	0.2200	0.0625	2.6400e-003	0.0652		844.3368	844.3368	0.0651		845.9642
Worker	0.2924	0.1434	1.8354	7.4100e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		739.3767	739.3767	0.0127		739.6929
Total	0.3565	2.3510	2.6479	0.0151	1.1897	8.6500e-003	1.1983	0.3204	8.0600e-003	0.3285		1,583.713 4	1,583.7134	0.0778		1,585.657 1

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0642	2.2076	0.8125	7.7000e-003	0.2172	2.7600e-003	0.2200	0.0625	2.6400e-003	0.0652		844.3368	844.3368	0.0651		845.9642
Worker	0.2924	0.1434	1.8354	7.4100e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		739.3767	739.3767	0.0127		739.6929
Total	0.3565	2.3510	2.6479	0.0151	1.1897	8.6500e-003	1.1983	0.3204	8.0600e-003	0.3285		1,583.7134	1,583.7134	0.0778		1,585.6571

3.4 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	177.1252	177.1252	3.1800e-003		177.2048	
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2970	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	177.1252	177.1252	3.1800e-003			177.2048

Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
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3.5 Construction of Park Spaces / Lighting - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2725	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Unmitigated	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	529.72	100.32	51.68	1,771,691	1,771,691
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	529.72	100.32	51.68	1,771,691	1,771,691

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
NaturalGas Unmitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4351.78	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4.35178	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481

Unmitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 ALT1 Mitigation - Orange County, Summer

**JWA Phase 12 ALT1 Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.67	1000sqft	0.91	39,670.00	0
Other Asphalt Surfaces	143.40	1000sqft	3.29	143,399.00	0
Other Non-Asphalt Surfaces	71.70	1000sqft	1.65	71,699.00	0
Other Non-Asphalt Surfaces	7.97	1000sqft	0.18	7,967.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	26.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003

tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblLandUse	LandUseSquareFeet	143,400.00	143,399.00
tblLandUse	LandUseSquareFeet	7,970.00	7,967.00
tblLandUse	LandUseSquareFeet	71,700.00	71,699.00
tblSolidWaste	SolidWasteGenerationRate	49.19	128.09
tblTripsAndVMT	HaulingTripNumber	547.00	0.00
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	1.40	1.37
tblVehicleEF	HHD	1.30	1.32
tblVehicleEF	HHD	4.46	4.59
tblVehicleEF	HHD	3,712.33	3,667.10

tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.24	11.93
tblVehicleEF	HHD	1.64	1.59
tblVehicleEF	HHD	18.91	18.85
tblVehicleEF	HHD	8.2750e-003	7.3440e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	7.9170e-003	7.0260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.1800e-004	1.2300e-004
tblVehicleEF	HHD	4.7610e-003	4.8950e-003
tblVehicleEF	HHD	0.33	0.33
tblVehicleEF	HHD	9.2000e-005	9.6000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1700e-004	2.2300e-004
tblVehicleEF	HHD	1.1800e-004	1.2300e-004
tblVehicleEF	HHD	4.7610e-003	4.8950e-003
tblVehicleEF	HHD	0.41	0.40
tblVehicleEF	HHD	9.2000e-005	9.6000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.09	0.09

tblVehicleEF	HHD	0.37	0.35
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	1.02	0.99
tblVehicleEF	HHD	1.31	1.32
tblVehicleEF	HHD	4.25	4.37
tblVehicleEF	HHD	3,932.88	3,884.97
tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.63	12.32
tblVehicleEF	HHD	1.55	1.50
tblVehicleEF	HHD	18.90	18.83
tblVehicleEF	HHD	6.9760e-003	6.1910e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	6.6740e-003	5.9230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.6800e-004	1.7400e-004
tblVehicleEF	HHD	4.8570e-003	4.9920e-003
tblVehicleEF	HHD	0.32	0.31
tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3800e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1400e-004	2.1900e-004

tblVehicleEF	HHD	1.6800e-004	1.7400e-004
tblVehicleEF	HHD	4.8570e-003	4.9920e-003
tblVehicleEF	HHD	0.39	0.38
tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.2300e-004	4.3800e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	0.42	0.40
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	1.93	1.88
tblVehicleEF	HHD	1.30	1.31
tblVehicleEF	HHD	4.50	4.63
tblVehicleEF	HHD	3,407.76	3,366.24
tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	11.69	11.40
tblVehicleEF	HHD	1.61	1.56
tblVehicleEF	HHD	18.91	18.85
tblVehicleEF	HHD	0.01	8.9350e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	9.6330e-003	8.5490e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.1400e-004	1.1700e-004
tblVehicleEF	HHD	5.0300e-003	5.1590e-003
tblVehicleEF	HHD	0.36	0.35

tblVehicleEF	HHD	9.1000e-005	9.5000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.8300e-004	5.0100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1800e-004	2.2300e-004
tblVehicleEF	HHD	1.1400e-004	1.1700e-004
tblVehicleEF	HHD	5.0300e-003	5.1590e-003
tblVehicleEF	HHD	0.44	0.43
tblVehicleEF	HHD	9.1000e-005	9.5000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.8300e-004	5.0100e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	LDA	2.7580e-003	2.5560e-003
tblVehicleEF	LDA	2.8090e-003	2.5270e-003
tblVehicleEF	LDA	0.43	0.40
tblVehicleEF	LDA	0.72	0.67
tblVehicleEF	LDA	212.92	205.40
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	6.9380e-003	6.4240e-003

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.1310e-003	2.0560e-003
tblVehicleEF	LDA	4.8900e-004	4.7100e-004
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	9.3380e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	2.9150e-003	2.7020e-003
tblVehicleEF	LDA	2.5300e-003	2.2770e-003
tblVehicleEF	LDA	0.46	0.44
tblVehicleEF	LDA	0.63	0.59
tblVehicleEF	LDA	221.83	214.00
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.3280e-003	6.7860e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	2.2210e-003	2.1420e-003
tblVehicleEF	LDA	4.8800e-004	4.6900e-004

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	9.8660e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.7050e-003	2.5060e-003
tblVehicleEF	LDA	2.8660e-003	2.5790e-003
tblVehicleEF	LDA	0.41	0.39
tblVehicleEF	LDA	0.74	0.69
tblVehicleEF	LDA	209.63	202.23
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	6.8070e-003	6.3030e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.0980e-003	2.0240e-003
tblVehicleEF	LDA	4.9000e-004	4.7100e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	9.8910e-003	9.1610e-003

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	5.9740e-003	5.4510e-003
tblVehicleEF	LDT1	7.9960e-003	7.1900e-003
tblVehicleEF	LDT1	0.78	0.73
tblVehicleEF	LDT1	1.69	1.55
tblVehicleEF	LDT1	272.89	264.77
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.7370e-003	2.6550e-003
tblVehicleEF	LDT1	6.4900e-004	6.2800e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	6.2860e-003	5.7380e-003
tblVehicleEF	LDT1	7.1800e-003	6.4600e-003

tblVehicleEF	LDT1	0.85	0.79
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	283.94	275.49
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.8480e-003	2.7630e-003
tblVehicleEF	LDT1	6.4500e-004	6.2400e-004
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	5.8680e-003	5.3540e-003
tblVehicleEF	LDT1	8.1630e-003	7.3400e-003
tblVehicleEF	LDT1	0.76	0.71
tblVehicleEF	LDT1	1.74	1.59
tblVehicleEF	LDT1	268.81	260.81
tblVehicleEF	LDT1	61.96	60.17

tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.6960e-003	2.6150e-003
tblVehicleEF	LDT1	6.4900e-004	6.2900e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT2	3.9670e-003	3.7110e-003
tblVehicleEF	LDT2	3.9510e-003	3.6060e-003
tblVehicleEF	LDT2	0.58	0.56
tblVehicleEF	LDT2	0.97	0.91
tblVehicleEF	LDT2	305.47	295.85
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003

tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.8490e-003	9.2160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0580e-003	2.9620e-003
tblVehicleEF	LDT2	7.0100e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	4.1900e-003	3.9200e-003
tblVehicleEF	LDT2	3.5660e-003	3.2570e-003
tblVehicleEF	LDT2	0.63	0.60
tblVehicleEF	LDT2	0.84	0.80
tblVehicleEF	LDT2	317.98	307.96
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	9.7340e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	3.1840e-003	3.0840e-003
tblVehicleEF	LDT2	6.9900e-004	6.7500e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.8920e-003	3.6410e-003
tblVehicleEF	LDT2	4.0310e-003	3.6780e-003
tblVehicleEF	LDT2	0.56	0.54
tblVehicleEF	LDT2	0.99	0.94
tblVehicleEF	LDT2	300.86	291.38
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.6640e-003	9.0430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05

tblVehicleEF	LDT2	3.0120e-003	2.9170e-003
tblVehicleEF	LDT2	7.0100e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8690e-003	5.2800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.81	1.71
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.79	0.71
tblVehicleEF	LHD1	0.78	0.73
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.9560e-003	5.3520e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.49	0.44
tblVehicleEF	LHD1	1.73	1.64
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.75	0.67
tblVehicleEF	LHD1	0.75	0.70
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004

tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.17	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1400e-004	3.0300e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8460e-003	5.2600e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
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tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07

tblVehicleEF	LHD1	0.78	0.70
tblVehicleEF	LHD1	0.79	0.74
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5500e-003	2.3550e-003
tblVehicleEF	LHD2	5.1240e-003	4.6050e-003
tblVehicleEF	LHD2	0.12	0.12

tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.00	0.96
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.39	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5710e-003	2.3720e-003
tblVehicleEF	LHD2	4.9820e-003	4.4830e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.96	0.92
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.36	0.30
tblVehicleEF	LHD2	0.38	0.35
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003

tblVehicleEF	LHD2	2.6300e-004	2.5700e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5450e-003	2.3500e-003
tblVehicleEF	LHD2	5.1530e-003	4.6300e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.01	0.97
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.38	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.64	17.52
tblVehicleEF	MCY	9.65	9.67
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.32	2.31

tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	6.5200e-004	6.4900e-004
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.90	2.89
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.18	2.17
tblVehicleEF	MCY	0.48	0.49
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.03	16.92
tblVehicleEF	MCY	8.86	8.87
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.27	2.26
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	6.3300e-004	6.3000e-004
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67

tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.84	2.84
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.97	1.96
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.73	17.61
tblVehicleEF	MCY	9.78	9.80
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.04	2.03
tblVehicleEF	MCY	6.5500e-004	6.5200e-004
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.91	2.90
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.22	2.21
tblVehicleEF	MDV	6.8660e-003	6.2950e-003

tblVehicleEF	MDV	8.3060e-003	7.4450e-003
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	1.63	1.51
tblVehicleEF	MDV	419.30	405.87
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1950e-003	4.0600e-003
tblVehicleEF	MDV	9.4800e-004	9.1600e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	7.2430e-003	6.6430e-003
tblVehicleEF	MDV	7.4810e-003	6.7100e-003
tblVehicleEF	MDV	0.90	0.85
tblVehicleEF	MDV	1.42	1.31
tblVehicleEF	MDV	435.95	421.98

tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	4.3620e-003	4.2220e-003
tblVehicleEF	MDV	9.4400e-004	9.1200e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	6.7380e-003	6.1780e-003
tblVehicleEF	MDV	8.4750e-003	7.5960e-003
tblVehicleEF	MDV	0.80	0.76
tblVehicleEF	MDV	1.68	1.55
tblVehicleEF	MDV	413.15	399.93
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.14	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003

tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1330e-003	4.0000e-003
tblVehicleEF	MDV	9.4900e-004	9.1700e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.85
tblVehicleEF	MH	4.09	3.94
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.02	0.95
tblVehicleEF	MH	0.64	0.62
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3100e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.26	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.01	0.87
tblVehicleEF	MH	3.88	3.73
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	0.95	0.89
tblVehicleEF	MH	0.61	0.60
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.89	0.83

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.23	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3100e-004	6.2800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.25	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.84
tblVehicleEF	MH	4.12	3.97
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.00	0.94
tblVehicleEF	MH	0.64	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3200e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.27	0.26
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3010e-003	2.1660e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.31	0.31
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.97	3.71
tblVehicleEF	MHD	147.33	148.89
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.38	0.38
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	11.31	11.43
tblVehicleEF	MHD	5.7000e-005	5.3000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	5.5000e-005	5.0000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.25	0.23
tblVehicleEF	MHD	1.4160e-003	1.4310e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9500e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.3200e-003	2.1820e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.23	0.22
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.79	3.54
tblVehicleEF	MHD	156.06	157.71
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.39	0.39
tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	11.28	11.41
tblVehicleEF	MHD	4.8000e-005	4.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003

tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	4.6000e-005	4.3000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.24	0.22
tblVehicleEF	MHD	1.4990e-003	1.5140e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.0700e-004	5.9200e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.26	0.25
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2950e-003	2.1610e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.43	0.43
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	4.01	3.74
tblVehicleEF	MHD	135.27	136.70
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02

tblVehicleEF	MHD	0.36	0.36
tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	11.31	11.44
tblVehicleEF	MHD	7.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	6.7000e-005	6.1000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.25	0.24
tblVehicleEF	MHD	1.3030e-003	1.3160e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9600e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4900e-003	4.1630e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24

tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.51	4.37
tblVehicleEF	OBUS	79.00	80.88
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.55	0.54
tblVehicleEF	OBUS	1.94	1.94
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.6600e-004	7.8400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.30
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	4.5620e-003	4.2270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.34	0.31
tblVehicleEF	OBUS	4.28	4.14
tblVehicleEF	OBUS	82.70	84.69
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.17
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	1.91	1.91
tblVehicleEF	OBUS	1.2000e-005	1.3000e-005
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.27	0.27
tblVehicleEF	OBUS	8.0100e-004	8.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6000e-004	7.5500e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4690e-003	4.1440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.54	4.40
tblVehicleEF	OBUS	73.90	75.61
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.15	0.16
tblVehicleEF	OBUS	0.54	0.53
tblVehicleEF	OBUS	1.95	1.95
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.1700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.06
tblVehicleEF	SBUS	8.76	8.90
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.04	7.76
tblVehicleEF	SBUS	1,056.06	1,041.87
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.45	5.84
tblVehicleEF	SBUS	2.88	2.57
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	4.9650e-003	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.7500e-003	3.9320e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.43	0.42
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4400e-004	7.5000e-004
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.46
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	8.68	8.82
tblVehicleEF	SBUS	0.78	0.70
tblVehicleEF	SBUS	6.64	6.41
tblVehicleEF	SBUS	1,101.09	1,085.74
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.66	6.03
tblVehicleEF	SBUS	2.72	2.43
tblVehicleEF	SBUS	11.12	10.88
tblVehicleEF	SBUS	4.1860e-003	3.4640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.0050e-003	3.3150e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.05
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.39	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	7.2700e-004
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.50	1.53
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.41
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.88	9.01
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.17	7.89
tblVehicleEF	SBUS	993.88	981.30
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.17	5.59
tblVehicleEF	SBUS	2.83	2.53
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	6.0420e-003	5.0010e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	5.7800e-003	4.7840e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.42
tblVehicleEF	SBUS	9.7890e-003	9.6750e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4600e-004	7.5200e-004
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.46
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	6.68	6.39
tblVehicleEF	UBUS	10.95	10.71
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.86	2.59

tblVehicleEF	UBUS	12.71	12.58
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.88	0.87
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.6000e-003	1.6080e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.97	0.96
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	6.71	6.42
tblVehicleEF	UBUS	9.70	9.50
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.69	2.43
tblVehicleEF	UBUS	12.64	12.51
tblVehicleEF	UBUS	0.51	0.50

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.5790e-003	1.5870e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.67	6.39
tblVehicleEF	UBUS	11.17	10.93
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.81	2.54
tblVehicleEF	UBUS	12.72	12.59
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003

tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	8.4160e-003	8.4060e-003
tblVehicleEF	UBUS	1.6040e-003	1.6120e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.97
tblWater	IndoorWaterUseRate	9,173,687.50	23,888,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	5.0505	43.2657	54.2516	0.1112	6.3967	1.8117	8.2084	1.1841	1.6852	2.8692	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3519
Maximum	5.0505	43.2657	54.2516	0.1112	6.3967	1.8117	8.2084	1.1841	1.6852	2.8692	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3519

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.7971	8.4711	62.2063	0.1112	3.6169	0.1526	3.7695	0.7632	0.1517	0.9149	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3518
Maximum	1.7971	8.4711	62.2063	0.1112	3.6169	0.1526	3.7695	0.7632	0.1517	0.9149	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3518

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	64.42	80.42	-14.66	0.00	43.46	91.58	54.08	35.55	91.00	68.11	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188
Total	1.6262	1.5546	5.5132	0.0253	2.5974	0.0329	2.6303	0.6945	0.0318	0.7263		2,714.8804	2,714.8804	0.0946	4.9000e-003	2,718.7051

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004			0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003		268.8251
Mobile	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893			2,449.8188
Total	1.6262	1.5546	5.5132	0.0253	2.5974	0.0329	2.6303	0.6945	0.0318	0.7263		2,714.8804	2,714.8804	0.0946	4.9000e-003		2,718.7051

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	2/5/2025	3/12/2025	5	26	
2	Construction of FBO Hangars and Office - 12	Building Construction	3/12/2025	7/11/2025	5	88	
3	Construction of Apron Concrete - 12	Paving	3/12/2025	5/14/2025	5	46	
4	Construction of Park Spaces / Lighting - 12	Paving	5/14/2025	7/3/2025	5	37	
5	Misc. concrete - 13	Paving	7/11/2025	8/15/2025	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangars and Office - 12	Cranes	1	7.00	231	0.29
Construction of FBO Hangars and Office - 12	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars and Office - 12	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars and Office - 12	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangars and Office - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars and Office - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete- 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete- 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete- 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Misc. concrete - 13	Pavers	2	8.00	130	0.42
Misc. concrete - 13	Paving Equipment	2	8.00	132	0.36
Misc. concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars and Office - 12	9	110.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete- 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Misc. concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5571	0.0000	4.5571	0.6900	0.0000	0.6900			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	4.5571	0.8528	5.4099	0.6900	0.7920	1.4820		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7773	0.0000	1.7773	0.2691	0.0000	0.2691			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	1.7773	0.0616	1.8389	0.2691	0.0616	0.3307	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.3 Construction of FBO Hangars and Office - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	2.8077	0.9543	9.9700e-003	0.2747	3.3300e-003	0.2780	0.0791	3.1800e-003	0.0822		1,094.0478	1,094.0478	0.0793		1,096.0312
Worker	0.3227	0.1651	2.5270	9.9000e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		987.5915	987.5915	0.0170		988.0155
Total	0.4000	2.9728	3.4814	0.0199	1.5043	0.0108	1.5150	0.4051	0.0100	0.4152		2,081.6394	2,081.6394	0.0963		2,084.0466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	2.8077	0.9543	9.9700e-003	0.2747	3.3300e-003	0.2780	0.0791	3.1800e-003	0.0822		1,094.0478	1,094.0478	0.0793		1,096.0312
Worker	0.3227	0.1651	2.5270	9.9000e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		987.5915	987.5915	0.0170		988.0155
Total	0.4000	2.9728	3.4814	0.0199	1.5043	0.0108	1.5150	0.4051	0.0100	0.4152		2,081.6394	2,081.6394	0.0963		2,084.0466

3.4 Construction of Apron Concrete- 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4679	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5134	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Misc. concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6120	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188
Unmitigated	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	276.50	52.36	26.98	924,776	924,776
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	276.50	52.36	26.98	924,776	924,776

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
NaturalGas Unmitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2271.52	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	2.27152	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Unmitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 ALT1 Mitigation - Orange County, Winter

**JWA Phase 12 ALT1 Mitigation
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.67	1000sqft	0.91	39,670.00	0
Other Asphalt Surfaces	143.40	1000sqft	3.29	143,399.00	0
Other Non-Asphalt Surfaces	71.70	1000sqft	1.65	71,699.00	0
Other Non-Asphalt Surfaces	7.97	1000sqft	0.18	7,967.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	26.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003

tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblLandUse	LandUseSquareFeet	143,400.00	143,399.00
tblLandUse	LandUseSquareFeet	7,970.00	7,967.00
tblLandUse	LandUseSquareFeet	71,700.00	71,699.00
tblSolidWaste	SolidWasteGenerationRate	49.19	128.09
tblTripsAndVMT	HaulingTripNumber	547.00	0.00
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	1.40	1.37
tblVehicleEF	HHD	1.30	1.32
tblVehicleEF	HHD	4.46	4.59
tblVehicleEF	HHD	3,712.33	3,667.10

tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.24	11.93
tblVehicleEF	HHD	1.64	1.59
tblVehicleEF	HHD	18.91	18.85
tblVehicleEF	HHD	8.2750e-003	7.3440e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
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tblVehicleEF	HHD	5.5990e-003	5.5220e-003
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tblVehicleEF	HHD	1.1800e-004	1.2300e-004
tblVehicleEF	HHD	4.7610e-003	4.8950e-003
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tblVehicleEF	HHD	9.2000e-005	9.6000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.4000e-004	4.5600e-004
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tblVehicleEF	HHD	9.2000e-005	9.6000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.09	0.09

tblVehicleEF	HHD	0.37	0.35
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	1.02	0.99
tblVehicleEF	HHD	1.31	1.32
tblVehicleEF	HHD	4.25	4.37
tblVehicleEF	HHD	3,932.88	3,884.97
tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.63	12.32
tblVehicleEF	HHD	1.55	1.50
tblVehicleEF	HHD	18.90	18.83
tblVehicleEF	HHD	6.9760e-003	6.1910e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	6.6740e-003	5.9230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.6800e-004	1.7400e-004
tblVehicleEF	HHD	4.8570e-003	4.9920e-003
tblVehicleEF	HHD	0.32	0.31
tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3800e-004
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tblVehicleEF	HHD	1.6800e-004	1.7400e-004
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tblVehicleEF	HHD	1.2600e-004	1.3100e-004
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tblVehicleEF	HHD	4.2300e-004	4.3800e-004
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tblVehicleEF	HHD	0.08	0.08
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tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	9.1000e-005	9.5000e-005
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tblVehicleEF	LDA	0.07	0.06
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tblVehicleEF	LDA	0.07	0.06
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tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
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tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	9.8660e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	2.8660e-003	2.5790e-003
tblVehicleEF	LDA	0.41	0.39
tblVehicleEF	LDA	0.74	0.69
tblVehicleEF	LDA	209.63	202.23
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	4.9000e-004	4.7100e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	9.8910e-003	9.1610e-003

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	5.9740e-003	5.4510e-003
tblVehicleEF	LDT1	7.9960e-003	7.1900e-003
tblVehicleEF	LDT1	0.78	0.73
tblVehicleEF	LDT1	1.69	1.55
tblVehicleEF	LDT1	272.89	264.77
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.7370e-003	2.6550e-003
tblVehicleEF	LDT1	6.4900e-004	6.2800e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	6.2860e-003	5.7380e-003
tblVehicleEF	LDT1	7.1800e-003	6.4600e-003

tblVehicleEF	LDT1	0.85	0.79
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	283.94	275.49
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.8480e-003	2.7630e-003
tblVehicleEF	LDT1	6.4500e-004	6.2400e-004
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	5.8680e-003	5.3540e-003
tblVehicleEF	LDT1	8.1630e-003	7.3400e-003
tblVehicleEF	LDT1	0.76	0.71
tblVehicleEF	LDT1	1.74	1.59
tblVehicleEF	LDT1	268.81	260.81
tblVehicleEF	LDT1	61.96	60.17

tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.6960e-003	2.6150e-003
tblVehicleEF	LDT1	6.4900e-004	6.2900e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT2	3.9670e-003	3.7110e-003
tblVehicleEF	LDT2	3.9510e-003	3.6060e-003
tblVehicleEF	LDT2	0.58	0.56
tblVehicleEF	LDT2	0.97	0.91
tblVehicleEF	LDT2	305.47	295.85
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003

tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.8490e-003	9.2160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0580e-003	2.9620e-003
tblVehicleEF	LDT2	7.0100e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	4.1900e-003	3.9200e-003
tblVehicleEF	LDT2	3.5660e-003	3.2570e-003
tblVehicleEF	LDT2	0.63	0.60
tblVehicleEF	LDT2	0.84	0.80
tblVehicleEF	LDT2	317.98	307.96
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	9.7340e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	3.1840e-003	3.0840e-003
tblVehicleEF	LDT2	6.9900e-004	6.7500e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.8920e-003	3.6410e-003
tblVehicleEF	LDT2	4.0310e-003	3.6780e-003
tblVehicleEF	LDT2	0.56	0.54
tblVehicleEF	LDT2	0.99	0.94
tblVehicleEF	LDT2	300.86	291.38
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.6640e-003	9.0430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05

tblVehicleEF	LDT2	3.0120e-003	2.9170e-003
tblVehicleEF	LDT2	7.0100e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8690e-003	5.2800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.81	1.71
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.79	0.71
tblVehicleEF	LHD1	0.78	0.73
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.9560e-003	5.3520e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.49	0.44
tblVehicleEF	LHD1	1.73	1.64
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.75	0.67
tblVehicleEF	LHD1	0.75	0.70
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004

tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.17	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1400e-004	3.0300e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8460e-003	5.2600e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.82	1.72
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07

tblVehicleEF	LHD1	0.78	0.70
tblVehicleEF	LHD1	0.79	0.74
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
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tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5500e-003	2.3550e-003
tblVehicleEF	LHD2	5.1240e-003	4.6050e-003
tblVehicleEF	LHD2	0.12	0.12

tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.00	0.96
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.39	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5710e-003	2.3720e-003
tblVehicleEF	LHD2	4.9820e-003	4.4830e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.96	0.92
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.36	0.30
tblVehicleEF	LHD2	0.38	0.35
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003

tblVehicleEF	LHD2	2.6300e-004	2.5700e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5450e-003	2.3500e-003
tblVehicleEF	LHD2	5.1530e-003	4.6300e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.01	0.97
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.38	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.64	17.52
tblVehicleEF	MCY	9.65	9.67
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.32	2.31

tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	6.5200e-004	6.4900e-004
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.90	2.89
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.18	2.17
tblVehicleEF	MCY	0.48	0.49
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.03	16.92
tblVehicleEF	MCY	8.86	8.87
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.27	2.26
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	6.3300e-004	6.3000e-004
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67

tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.84	2.84
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.97	1.96
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.73	17.61
tblVehicleEF	MCY	9.78	9.80
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.04	2.03
tblVehicleEF	MCY	6.5500e-004	6.5200e-004
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.91	2.90
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.22	2.21
tblVehicleEF	MDV	6.8660e-003	6.2950e-003

tblVehicleEF	MDV	8.3060e-003	7.4450e-003
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	1.63	1.51
tblVehicleEF	MDV	419.30	405.87
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1950e-003	4.0600e-003
tblVehicleEF	MDV	9.4800e-004	9.1600e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	7.2430e-003	6.6430e-003
tblVehicleEF	MDV	7.4810e-003	6.7100e-003
tblVehicleEF	MDV	0.90	0.85
tblVehicleEF	MDV	1.42	1.31
tblVehicleEF	MDV	435.95	421.98

tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	4.3620e-003	4.2220e-003
tblVehicleEF	MDV	9.4400e-004	9.1200e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	6.7380e-003	6.1780e-003
tblVehicleEF	MDV	8.4750e-003	7.5960e-003
tblVehicleEF	MDV	0.80	0.76
tblVehicleEF	MDV	1.68	1.55
tblVehicleEF	MDV	413.15	399.93
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.14	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003

tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1330e-003	4.0000e-003
tblVehicleEF	MDV	9.4900e-004	9.1700e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.85
tblVehicleEF	MH	4.09	3.94
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.02	0.95
tblVehicleEF	MH	0.64	0.62
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3100e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.26	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.01	0.87
tblVehicleEF	MH	3.88	3.73
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	0.95	0.89
tblVehicleEF	MH	0.61	0.60
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.89	0.83

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.23	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3100e-004	6.2800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.25	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.84
tblVehicleEF	MH	4.12	3.97
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.00	0.94
tblVehicleEF	MH	0.64	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3200e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.27	0.26
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3010e-003	2.1660e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.31	0.31
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.97	3.71
tblVehicleEF	MHD	147.33	148.89
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.38	0.38
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	11.31	11.43
tblVehicleEF	MHD	5.7000e-005	5.3000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	5.5000e-005	5.0000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.25	0.23
tblVehicleEF	MHD	1.4160e-003	1.4310e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9500e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.3200e-003	2.1820e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.23	0.22
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.79	3.54
tblVehicleEF	MHD	156.06	157.71
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.39	0.39
tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	11.28	11.41
tblVehicleEF	MHD	4.8000e-005	4.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003

tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	4.6000e-005	4.3000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.24	0.22
tblVehicleEF	MHD	1.4990e-003	1.5140e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.0700e-004	5.9200e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.26	0.25
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2950e-003	2.1610e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.43	0.43
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	4.01	3.74
tblVehicleEF	MHD	135.27	136.70
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02

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tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	11.31	11.44
tblVehicleEF	MHD	7.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	6.7000e-005	6.1000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.25	0.24
tblVehicleEF	MHD	1.3030e-003	1.3160e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9600e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4900e-003	4.1630e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24

tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.51	4.37
tblVehicleEF	OBUS	79.00	80.88
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.55	0.54
tblVehicleEF	OBUS	1.94	1.94
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.6600e-004	7.8400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.30
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	4.5620e-003	4.2270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.34	0.31
tblVehicleEF	OBUS	4.28	4.14
tblVehicleEF	OBUS	82.70	84.69
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.17
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	1.91	1.91
tblVehicleEF	OBUS	1.2000e-005	1.3000e-005
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.27	0.27
tblVehicleEF	OBUS	8.0100e-004	8.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6000e-004	7.5500e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4690e-003	4.1440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.54	4.40
tblVehicleEF	OBUS	73.90	75.61
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.15	0.16
tblVehicleEF	OBUS	0.54	0.53
tblVehicleEF	OBUS	1.95	1.95
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.1700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.06
tblVehicleEF	SBUS	8.76	8.90
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.04	7.76
tblVehicleEF	SBUS	1,056.06	1,041.87
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.45	5.84
tblVehicleEF	SBUS	2.88	2.57
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	4.9650e-003	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.7500e-003	3.9320e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.43	0.42
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4400e-004	7.5000e-004
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.46
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	8.68	8.82
tblVehicleEF	SBUS	0.78	0.70
tblVehicleEF	SBUS	6.64	6.41
tblVehicleEF	SBUS	1,101.09	1,085.74
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.66	6.03
tblVehicleEF	SBUS	2.72	2.43
tblVehicleEF	SBUS	11.12	10.88
tblVehicleEF	SBUS	4.1860e-003	3.4640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.0050e-003	3.3150e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.05
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.39	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	7.2700e-004
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.50	1.53
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.41
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.88	9.01
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.17	7.89
tblVehicleEF	SBUS	993.88	981.30
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.17	5.59
tblVehicleEF	SBUS	2.83	2.53
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	6.0420e-003	5.0010e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	5.7800e-003	4.7840e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.42
tblVehicleEF	SBUS	9.7890e-003	9.6750e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4600e-004	7.5200e-004
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.46
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	6.68	6.39
tblVehicleEF	UBUS	10.95	10.71
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.86	2.59

tblVehicleEF	UBUS	12.71	12.58
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.88	0.87
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.6000e-003	1.6080e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.97	0.96
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	6.71	6.42
tblVehicleEF	UBUS	9.70	9.50
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.69	2.43
tblVehicleEF	UBUS	12.64	12.51
tblVehicleEF	UBUS	0.51	0.50

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.5790e-003	1.5870e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.67	6.39
tblVehicleEF	UBUS	11.17	10.93
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.81	2.54
tblVehicleEF	UBUS	12.72	12.59
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003

tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	8.4160e-003	8.4060e-003
tblVehicleEF	UBUS	1.6040e-003	1.6120e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.97
tblWater	IndoorWaterUseRate	9,173,687.50	23,888,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	5.1142	43.2706	54.0621	0.1103	6.3967	1.8118	8.2085	1.1841	1.6853	2.8694	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528
Maximum	5.1142	43.2706	54.0621	0.1103	6.3967	1.8118	8.2085	1.1841	1.6853	2.8694	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.8607	8.4760	62.0168	0.1103	3.6169	0.1528	3.7697	0.7632	0.1519	0.9151	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528
Maximum	1.8607	8.4760	62.0168	0.1103	3.6169	0.1528	3.7697	0.7632	0.1519	0.9151	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	63.62	80.41	-14.71	0.00	43.46	91.57	54.08	35.55	90.99	68.11	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Total	1.6196	1.5923	5.2266	0.0243	2.5974	0.0330	2.6304	0.6945	0.0318	0.7263		2,611.3816	2,611.3816	0.0942	4.9000e-003	2,615.1962

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Total	1.6196	1.5923	5.2266	0.0243	2.5974	0.0330	2.6304	0.6945	0.0318	0.7263		2,611.3816	2,611.3816	0.0942	4.9000e-003	2,615.1962

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	2/5/2025	3/12/2025	5	26	
2	Construction of FBO Hangars and Office - 12	Building Construction	3/12/2025	7/11/2025	5	88	
3	Construction of Apron Concrete - 12	Paving	3/12/2025	5/14/2025	5	46	
4	Construction of Park Spaces / Lighting - 12	Paving	5/14/2025	7/3/2025	5	37	
5	Misc. concrete - 13	Paving	7/11/2025	8/15/2025	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangars and Office - 12	Cranes	1	7.00	231	0.29
Construction of FBO Hangars and Office - 12	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars and Office - 12	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars and Office - 12	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangars and Office - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars and Office - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete- 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete- 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete- 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Misc. concrete - 13	Pavers	2	8.00	130	0.42
Misc. concrete - 13	Paving Equipment	2	8.00	132	0.36
Misc. concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars and Office - 12	9	110.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete- 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Misc. concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5571	0.0000	4.5571	0.6900	0.0000	0.6900			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	4.5571	0.8528	5.4099	0.6900	0.7920	1.4820		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7773	0.0000	1.7773	0.2691	0.0000	0.2691			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	1.7773	0.0616	1.8389	0.2691	0.0616	0.3307	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.3 Construction of FBO Hangars and Office - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0811	2.7920	1.0275	9.7400e-003	0.2747	3.4900e-003	0.2782	0.0791	3.3400e-003	0.0824		1,067.837 7	1,067.8377	0.0823		1,069.895 9
Worker	0.3697	0.1813	2.3206	9.3700e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		934.8440	934.8440	0.0160		935.2440
Total	0.4508	2.9733	3.3481	0.0191	1.5043	0.0109	1.5152	0.4051	0.0102	0.4153		2,002.681 7	2,002.6817	0.0983		2,005.139 8

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0811	2.7920	1.0275	9.7400e-003	0.2747	3.4900e-003	0.2782	0.0791	3.3400e-003	0.0824		1,067.8377	1,067.8377	0.0823		1,069.8959
Worker	0.3697	0.1813	2.3206	9.3700e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		934.8440	934.8440	0.0160		935.2440
Total	0.4508	2.9733	3.3481	0.0191	1.5043	0.0109	1.5152	0.4051	0.0102	0.4153		2,002.6817	2,002.6817	0.0983		2,005.1398

3.4 Construction of Apron Concrete- 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4679	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5134	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Misc. concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6120	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Unmitigated	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	276.50	52.36	26.98	924,776	924,776
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	276.50	52.36	26.98	924,776	924,776

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
NaturalGas Unmitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2271.52	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	2.27152	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Unmitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 ALT1 Mitigated - Orange County, Summer

**JWA Phase 13 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	138.64	1000sqft	3.18	138,636.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	300.00	68.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	33.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	20.00	143.00
tblConstructionPhase	NumDays	20.00	46.00
tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	138,640.00	138,636.00
tblTripsAndVMT	HaulingTripNumber	1,553.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	8.4160	72.9989	86.9918	0.2298	14.4667	2.4952	16.9619	3.1753	2.3364	5.5117	0.0000	22,941.6074	22,941.6074	3.3809	0.0000	23,026.1295

2026	7.0911	61.4795	88.9401	0.1971	5.9611	2.3517	8.3128	1.6037	2.1858	3.7895	0.0000	19,562.55 32	19,562.553 2	3.6935	0.0000	19,654.89 05
Maximum	8.4160	72.9989	88.9401	0.2298	14.4667	2.4952	16.9619	3.1753	2.3364	5.5117	0.0000	22,941.60 74	22,941.607 4	3.6935	0.0000	23,026.12 95

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	3.6669	25.1007	94.9800	0.2298	10.7384	0.2438	10.9822	2.6108	0.2397	2.8505	0.0000	22,941.60 74	22,941.607 4	3.3809	0.0000	23,026.12 95
2026	3.1079	18.9108	99.8444	0.1971	5.9611	0.2348	6.1959	1.6037	0.2320	1.8357	0.0000	19,562.55 32	19,562.553 2	3.6935	0.0000	19,654.89 05
Maximum	3.6669	25.1007	99.8444	0.2298	10.7384	0.2438	10.9822	2.6108	0.2397	2.8505	0.0000	22,941.60 74	22,941.607 4	3.6935	0.0000	23,026.12 95

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	56.31	67.27	-10.74	0.00	18.25	90.13	32.03	11.81	89.57	49.62	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.174 7	8,962.1747	0.3291		8,970.402 3

Total	4.7011	5.7632	20.1856	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1840	9,764.1840	0.3448	0.0147	9,777.1837
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Total	4.7011	5.7632	20.1856	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1840	9,764.1840	0.3448	0.0147	9,777.1837

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	8/12/2025	10/27/2025	5	55	
2	Construction of FBO Hangers - 13	Building Construction	10/27/2025	1/28/2026	5	68	
3	Construction of Offices - 13	Building Construction	10/27/2025	3/6/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	10/27/2025	12/10/2025	5	33	
5	Construction of Park Spaces / Lighting - 13	Paving	12/12/2025	2/23/2026	5	52	
6	Construction of Parking Garage - 13	Paving	12/12/2025	6/30/2026	5	143	
7	Apron concrete - 13	Paving	1/28/2026	4/1/2026	5	46	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45

Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.1118	0.0000	6.1118	0.9254	0.0000	0.9254			0.0000				0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464			3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	6.1118	0.8528	6.9646	0.9254	0.7920	1.7174		3,747.5996	3,747.5996	1.0464			3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003			134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003			134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.3836	0.0000	2.3836	0.3609	0.0000	0.3609			0.0000				0.0000

Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	2.3836	0.0616	2.4453	0.3609	0.0616	0.4225	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

3.3 Construction of FBO Hangers - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439			2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282			1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721			3,724.2847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Construction of Park Spaces / Lighting - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3198	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	129.8007	129.8007	2.1300e-003	129.8539	
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	129.8007	129.8007	2.1300e-003	129.8539	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Unmitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Unmitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 ALT1 Mitigated - Orange County, Winter

**JWA Phase 13 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	138.64	1000sqft	3.18	138,636.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	300.00	68.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	33.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	20.00	143.00
tblConstructionPhase	NumDays	20.00	46.00
tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	138,640.00	138,636.00
tblTripsAndVMT	HaulingTripNumber	1,553.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	8.6986	73.0025	86.2467	0.2256	14.4667	2.4961	16.9628	3.1753	2.3373	5.5126	0.0000	22,503.67	22,503.678	3.3920	0.0000	22,588.47
												87	7			99

2026	7.2906	61.4829	88.4156	0.1942	5.9611	2.3523	8.3134	1.6037	2.1863	3.7900	0.0000	19,262.81 23	19,262.812 3	3.7003	0.0000	19,355.32 07
Maximum	8.6986	73.0025	88.4156	0.2256	14.4667	2.4961	16.9628	3.1753	2.3373	5.5126	0.0000	22,503.67 87	22,503.678 7	3.7003	0.0000	22,588.47 99

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	3.9495	25.1043	94.2349	0.2256	10.7384	0.2447	10.9831	2.6108	0.2405	2.8513	0.0000	22,503.67 87	22,503.678 7	3.3920	0.0000	22,588.47 99
2026	3.3074	18.9142	99.3199	0.1942	5.9611	0.2354	6.1965	1.6037	0.2325	1.8362	0.0000	19,262.81 23	19,262.812 3	3.7003	0.0000	19,355.32 07
Maximum	3.9495	25.1043	99.3199	0.2256	10.7384	0.2447	10.9831	2.6108	0.2405	2.8513	0.0000	22,503.67 87	22,503.678 7	3.7003	0.0000	22,588.47 99

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	54.61	67.27	-10.82	0.00	18.25	90.10	32.03	11.81	89.54	49.61	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.070 5	8,582.0705	0.3280		8,590.270 3

Total	4.6753	5.8979	19.1803	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.0798	9,384.0798	0.3436	0.0147	9,397.0518
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Total	4.6753	5.8979	19.1803	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.0798	9,384.0798	0.3436	0.0147	9,397.0518

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	8/12/2025	10/27/2025	5	55	
2	Construction of FBO Hangers - 13	Building Construction	10/27/2025	1/28/2026	5	68	
3	Construction of Offices - 13	Building Construction	10/27/2025	3/6/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	10/27/2025	12/10/2025	5	33	
5	Construction of Park Spaces / Lighting - 13	Paving	12/12/2025	2/23/2026	5	52	
6	Construction of Parking Garage - 13	Paving	12/12/2025	6/30/2026	5	143	
7	Apron concrete - 13	Paving	1/28/2026	4/1/2026	5	46	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45

Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1118	0.0000	6.1118	0.9254	0.0000	0.9254			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	6.1118	0.8528	6.9646	0.9254	0.7920	1.7174		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3836	0.0000	2.3836	0.3609	0.0000	0.3609			0.0000			0.0000

Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	2.3836	0.0616	2.4453	0.3609	0.0616	0.4225	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513			1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289			1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802			3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

3.3 Construction of FBO Hangers - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Construction of Park Spaces / Lighting - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3198	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	122.8708	122.8708	2.0000e-003	122.9209	
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	122.8708	122.8708	2.0000e-003	122.9209	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Unmitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Unmitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 ALT1 Mitigated - Orange County, Summer

**JWA Phase 14 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - * Detailed in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Trips and VMT -
- Demolition -
- Area Coating - * Defined in project schedule and RON estimate
- Construction Off-road Equipment Mitigation - *

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,500.00	1,432.00
tblAreaCoating	Area_Parking	1500	26500
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00
tblTripsAndVMT	HaulingTripNumber	121.00	109.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

2024	1.8094	12.3408	15.8525	0.0336	3.1113	0.4983	3.6095	0.5299	0.4708	1.0007	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017
Maximum	1.8094	12.3408	15.8525	0.0336	3.1113	0.4983	3.6095	0.5299	0.4708	1.0007	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1800	2.6932	16.1799	0.0336	1.5201	0.0377	1.5577	0.2890	0.0374	0.3263	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017
Maximum	1.1800	2.6932	16.1799	0.0336	1.5201	0.0377	1.5577	0.2890	0.0374	0.3263	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.79	78.18	-2.07	0.00	51.14	92.44	56.85	45.47	92.06	67.39	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0502	1.5877	0.7372	7.6600e-003	0.1898	3.1200e-003	0.1929	0.0519	2.9900e-003	0.0549		863.0662	863.0662	0.0906		865.3308
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0809	1.6040	0.9833	8.6000e-003	0.3015	3.8100e-003	0.3053	0.0816	3.6200e-003	0.0852		956.6305	956.6305	0.0923		958.9373

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					1.0173	0.0000	1.0173	0.1540	0.0000	0.1540			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.1326	0.5747	7.8509	0.0120	1.0173	0.0177	1.0350	0.1540	0.0177	0.1717	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0502	1.5877	0.7372	7.6600e-003	0.1898	3.1200e-003	0.1929	0.0519	2.9900e-003	0.0549		863.0662	863.0662	0.0906		865.3308
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0809	1.6040	0.9833	8.6000e-003	0.3015	3.8100e-003	0.3053	0.0816	3.6200e-003	0.0852		956.6305	956.6305	0.0923		958.9373

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1407	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	0.9779	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day						
Architectural Coating	0.0337					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Consumer Products	8.8600e-003					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.0337					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 ALT1 Mitigated - Orange County, Winter

**JWA Phase 14 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Area Coating - * Defined in project schedule and RON estimate

Construction Off-road Equipment Mitigation - *

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,500.00	1,432.00
tblAreaCoating	Area_Parking	1500	26500
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00
tblTripsAndVMT	HaulingTripNumber	121.00	109.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

2024	1.8182	12.3532	15.8209	0.0333	3.1113	0.4984	3.6096	0.5299	0.4709	1.0008	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490
Maximum	1.8182	12.3532	15.8209	0.0333	3.1113	0.4984	3.6096	0.5299	0.4709	1.0008	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1887	2.7057	16.1484	0.0333	1.5201	0.0377	1.5578	0.2890	0.0375	0.3264	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490
Maximum	1.1887	2.7057	16.1484	0.0333	1.5201	0.0377	1.5578	0.2890	0.0375	0.3264	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.62	78.10	-2.07	0.00	51.14	92.43	56.84	45.47	92.05	67.38	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0514	1.5957	0.7614	7.5500e-003	0.1898	3.2200e-003	0.1930	0.0519	3.0800e-003	0.0550		850.0874	850.0874	0.0921		852.3896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0865	1.6136	0.9876	8.4400e-003	0.3015	3.9100e-003	0.3054	0.0816	3.7100e-003	0.0853		938.6501	938.6501	0.0937		940.9919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					1.0173	0.0000	1.0173	0.1540	0.0000	0.1540			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.1326	0.5747	7.8509	0.0120	1.0173	0.0177	1.0350	0.1540	0.0177	0.1717	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0514	1.5957	0.7614	7.5500e-003	0.1898	3.2200e-003	0.1930	0.0519	3.0800e-003	0.0550		850.0874	850.0874	0.0921		852.3896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0865	1.6136	0.9876	8.4400e-003	0.3015	3.9100e-003	0.3054	0.0816	3.7100e-003	0.0853		938.6501	938.6501	0.0937		940.9919

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1407	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	0.9779	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
--	-----	-----	----	-----	---------------	--------------	------------	----------------	---------------	-------------	----------	-----------	-----------	-----	-----	------

SubCategory	lb/day										lb/day					
Architectural Coating	0.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 ALT1 Mitigated - Orange County, Summer

**JWA Phase 15 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	212.15	1000sqft	4.87	212,148.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating - * See Proposed Project

Area Coating - * Defined in project schedule and RON estimate

* See Proposed Project for low VOC emission factor

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - * See Proposed Project mitigation

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	62.00
tblLandUse	LandUseSquareFeet	212,150.00	212,148.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0842	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	29.7210	7.5598	12.6093	0.0207	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	29.7210	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.4839	0.9809	13.9918	0.0207	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	29.5798	0.9786	13.9638	0.0207	0.2236	0.0306	0.2541	0.0593	0.0305	0.0898	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	29.5798	0.9809	13.9918	0.0207	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.41	87.04	-10.73	0.00	0.00	91.35	55.97	0.00	90.68	76.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	12/12/2025	1/6/2026	5	62	
2	New Marking - 15	Architectural Coating	3/10/2026	3/10/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 12,729

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	29.6703	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246
Total	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	29.5292	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246
Total	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Unmitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 ALT1 Mitigated - Orange County, Winter

**JWA Phase 15 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	212.15	1000sqft	4.87	212,148.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating - * See Proposed Project

Area Coating - * Defined in project schedule and RON estimate

* See Proposed Project for low VOC emission factor

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - * See Proposed Project mitigation

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	62.00
tblLandUse	LandUseSquareFeet	212,150.00	212,148.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0927	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4
2026	29.7285	7.5625	12.5737	0.0206	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,969.220 3	1,969.2203	0.5699	0.0000	1,983.468 6
Maximum	29.7285	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.4925	0.9839	13.9542	0.0206	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4
2026	29.5874	0.9813	13.9283	0.0206	0.2236	0.0306	0.2541	0.0593	0.0305	0.0898	0.0000	1,969.220 3	1,969.2203	0.5699	0.0000	1,983.468 6
Maximum	29.5874	0.9839	13.9542	0.0206	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,975.364 2	1,975.3642	0.5702	0.0000	1,989.618 4

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.41	87.01	-10.76	0.00	0.00	91.35	55.97	0.00	90.68	76.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	12/12/2025	1/6/2026	5	62	
2	New Marking - 15	Architectural Coating	3/10/2026	3/10/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 12,729

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	29.6703	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051
Total	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	29.5292	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051
Total	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Unmitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 ALT1 Mitigated - Orange County, Summer

**JWA Phase 1 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	33.00	1000sqft	0.76	33,000.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	78.46	1000sqft	1.80	78,462.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	78,460.00	78,462.00
tblTripsAndVMT	HaulingTripNumber	872.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.1172	82.1024	73.9881	0.1443	8.4913	4.3054	11.6144	1.4621	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920
Maximum	9.1172	82.1024	73.9881	0.1443	8.4913	4.3054	11.6144	1.4621	4.0153	4.8227	0.0000	14,348.8767	14,348.8767	2.9326	0.0000	14,422.1920

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2019	2.7026	16.3569	79.8427	0.1443	4.2273	0.2329	4.3680	0.8165	0.2290	1.0364	0.0000	14,348.87 67	14,348.876 7	2.9326	0.0000	14,422.19 20
Maximum	2.7026	16.3569	79.8427	0.1443	4.2273	0.2329	4.3680	0.8165	0.2290	1.0364	0.0000	14,348.87 67	14,348.876 7	2.9326	0.0000	14,422.19 20

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	70.36	80.08	-7.91	0.00	50.22	94.59	62.39	44.16	94.30	78.51	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Total	2.6308	4.6531	15.0426	0.0556	4.6475	0.0729	4.7204	1.2428	0.0696	1.3124		5,793.9012	5,793.9012	0.2326	5.8600e-003	5,801.4609

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Total	2.6308	4.6531	15.0426	0.0556	4.6475	0.0729	4.7204	1.2428	0.0696	1.3124		5,793.9012	5,793.9012	0.2326	5.8600e-003	5,801.4609

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	2/15/2019	5	27	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20

Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.9903	0.0000	6.9903	1.0584	0.0000	1.0584			0.0000				0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618			3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	6.9903	1.7949	8.7852	1.0584	1.6697	2.7281		3,816.8994	3,816.8994	1.0618			3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003			169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7262	0.0000	2.7262	0.4128	0.0000	0.4128			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.4623	2.0032	23.2798	0.0388	2.7262	0.0616	2.7878	0.4128	0.0616	0.4744	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1462	4.4257	1.1699	9.8000e-003	0.2492	0.0299	0.2791	0.0717	0.0286	0.1003		1,064.5786	1,064.5786	0.0899		1,066.8254
Worker	0.3998	0.2621	3.4604	0.0110	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,092.3561	1,092.3561	0.0269		1,093.0275
Total	0.5460	4.6878	4.6303	0.0208	1.3334	0.0371	1.3706	0.3593	0.0353	0.3945		2,156.9347	2,156.9347	0.1167		2,159.8529

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4079	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4234	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834
Unmitigated	1.0504	4.3866	14.7944	0.0540	4.6475	0.0526	4.7000	1.2428	0.0493	1.2921		5,474.3259	5,474.3259	0.2263		5,479.9834

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	363.99	81.18	34.65	890,863	890,863
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	594.00	124.74	57.09	1,660,150	1,660,150

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
NaturalGas Unmitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	826.356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.826356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Unmitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 1 ALT1 Mitigated - Orange County, Winter

**JWA Phase 1 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	33.00	1000sqft	0.76	33,000.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	94.50	1000sqft	2.17	94,500.00	0
Parking Lot	78.46	1000sqft	1.80	78,462.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	33.00
tblLandUse	LandUseSquareFeet	78,460.00	78,462.00
tblTripsAndVMT	HaulingTripNumber	872.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	9.2480	82.1718	73.6245	0.1425	8.4913	4.3065	11.6149	1.4621	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406
Maximum	9.2480	82.1718	73.6245	0.1425	8.4913	4.3065	11.6149	1.4621	4.0164	4.8238	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2019	2.8334	16.4262	79.4791	0.1425	4.2273	0.2340	4.3685	0.8165	0.2301	1.0375	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406
Maximum	2.8334	16.4262	79.4791	0.1425	4.2273	0.2340	4.3685	0.8165	0.2301	1.0375	0.0000	14,162.0684	14,162.0684	2.9389	0.0000	14,235.5406

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	69.36	80.01	-7.95	0.00	50.22	94.57	62.39	44.16	94.27	78.49	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Total	2.6150	4.7988	14.3520	0.0532	4.6475	0.0731	4.7206	1.2428	0.0698	1.3126		5,549.7105	5,549.7105	0.2310	5.8600e-003	5,557.2321

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Energy	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
Mobile	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Total	2.6150	4.7988	14.3520	0.0532	4.6475	0.0731	4.7206	1.2428	0.0698	1.3126		5,549.7105	5,549.7105	0.2310	5.8600e-003	5,557.2321

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1	Demolition	1/10/2019	2/15/2019	5	27	
2	Construction of New Sheriff Office - 1	Building Construction	2/7/2019	9/24/2019	5	164	
3	Construction of FBO - 1	Building Construction	4/15/2019	9/19/2019	5	114	
4	Construction of Apron - 1	Paving	8/14/2019	10/3/2019	5	37	
5	Construction of Park Spaces / Lighting - 1	Paving	8/27/2019	10/10/2019	5	33	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.97

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1	Excavators	3	8.00	158	0.38
Demolition - 1	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 1	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 1	Forklifts	3	8.00	89	0.20

Construction of New Sheriff Office - 1	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 1	Welders	1	8.00	46	0.45
Construction of FBO - 1	Cranes	1	7.00	231	0.29
Construction of FBO - 1	Forklifts	3	8.00	89	0.20
Construction of FBO - 1	Generator Sets	1	8.00	84	0.74
Construction of FBO - 1	Pavers	0		130	0.42
Construction of FBO - 1	Paving Equipment	0		132	0.36
Construction of FBO - 1	Rollers	0		80	0.38
Construction of FBO - 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 1	Welders	1	8.00	46	0.45
Construction of Apron - 1	Pavers	2	8.00	130	0.42
Construction of Apron - 1	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 1	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - 1	9	97.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 1	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.9903	0.0000	6.9903	1.0584	0.0000	1.0584			0.0000				0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618			3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	6.9903	1.7949	8.7852	1.0584	1.6697	2.7281		3,816.8994	3,816.8994	1.0618			3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003			159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003			159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.7262	0.0000	2.7262	0.4128	0.0000	0.4128			0.0000				0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618			3,843.4451
Total	0.4623	2.0032	23.2798	0.0388	2.7262	0.0616	2.7878	0.4128	0.0616	0.4744	0.0000	3,816.8994	3,816.8994	1.0618			3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003			159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003			159.9645

3.3 Construction of New Sheriff Office - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313			2,607.3635

Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946			1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255			1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201			2,075.5875

3.4 Construction of FBO - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313			2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313			2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1525	4.4304	1.2845	9.5700e-003	0.2492	0.0305	0.2797	0.0717	0.0291	0.1009		1,038.7850	1,038.7850	0.0946		1,041.1503
Worker	0.4510	0.2881	3.2037	0.0104	1.0842	7.2400e-003	1.0915	0.2875	6.6700e-003	0.2942		1,033.8005	1,033.8005	0.0255		1,034.4372
Total	0.6035	4.7185	4.4882	0.0199	1.3334	0.0377	1.3711	0.3593	0.0358	0.3951		2,072.5855	2,072.5855	0.1201		2,075.5875

3.5 Construction of Apron - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5819	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4079	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

3.6 Construction of Park Spaces / Lighting - 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5973	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4234	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546
Unmitigated	1.0345	4.5323	14.1038	0.0516	4.6475	0.0527	4.7002	1.2428	0.0495	1.2923		5,230.1353	5,230.1353	0.2248		5,235.7546

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	363.99	81.18	34.65	890,863	890,863
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	594.00	124.74	57.09	1,660,150	1,660,150

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

NaturalGas Mitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217
NaturalGas Unmitigated	0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	826.356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.826356	8.9100e-003	0.0810	0.0681	4.9000e-004		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003		97.2184	97.2184	1.8600e-003	1.7800e-003	97.7961
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0293	0.2663	0.2237	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.5230	319.5230	6.1200e-003	5.8600e-003	321.4217

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Unmitigated	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3100e-003	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558
Total	1.5512	2.3000e-004	0.0246	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0523	0.0523	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B ALT1 Mitigated - Orange County, Summer

**JWA Phases 1A-1B ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	43.04	1000sqft	0.99	43,038.00	0
Other Non-Asphalt Surfaces	48.38	1000sqft	1.11	48,384.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - * Defined in project schedule or ROM estimate

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	5485	6301
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	10.00	34.00

tblConstructionPhase	NumDays	10.00	32.00
tblLandUse	LandUseSquareFeet	43,040.00	43,038.00
tblLandUse	LandUseSquareFeet	48,380.00	48,384.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.7358	78.2019	50.9010	0.0931	9.4766	4.1192	13.5958	4.0047	3.8094	7.8141	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6990
2020	4.1743	43.7186	30.6958	0.0542	8.0205	2.1488	10.1693	3.6336	1.9929	5.6265	0.0000	5,292.9495	5,292.9495	1.2926	0.0000	5,325.2573
Maximum	7.7358	78.2019	50.9010	0.0931	9.4766	4.1192	13.5958	4.0047	3.8094	7.8141	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6990

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.3445	5.8397	52.2611	0.0931	4.8194	0.1391	4.9584	1.8506	0.1383	1.9889	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6989
2020	0.7555	3.7877	31.9855	0.0542	3.3633	0.0787	3.4406	1.4795	0.0782	1.5564	0.0000	5,292.9495	5,292.9495	1.2926	0.0000	5,325.2573
Maximum	1.3445	5.8397	52.2611	0.0931	4.8194	0.1391	4.9584	1.8506	0.1383	1.9889	0.0000	9,227.8910	9,227.8910	2.3923	0.0000	9,287.6989

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	82.37	92.10	-3.25	0.00	53.23	96.53	64.66	56.40	96.27	73.62	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	10/16/2019	5	20	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area PavementM - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	
6	Construction of Tie-Down Area Pavement - 1B	Paving	2/27/2020	4/10/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Cement and Mortar Mixers	0		9	0.56
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Pavers	0		130	0.42
Demolition - 1A	Paving Equipment	0		132	0.36
Demolition - 1A	Rollers	0		80	0.38
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Subgrade - 1A	Concrete/Industrial Saws	0			81	0.73
Subgrade - 1A	Graders	1	8.00		187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00		81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
PavementM - 1A	Graders	0			187	0.41
PavementM - 1A	Pavers	1	8.00		130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00		132	0.36
PavementM - 1A	Rollers	2	8.00		80	0.38
Construction of Tie-Down Area	Rubber Tired Dozers	0			247	0.40
PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
PavementM - 1A	Graders	1	8.00		187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
Pavement - 1B	Pavers	1	8.00		130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00		132	0.36
Pavement - 1B	Rollers	2	8.00		80	0.38
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Pavement - 1B						

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	8	20.00	0.00	196.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	220.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area Pavement	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1182	0.0000	2.1182	0.3207	0.0000	0.3207			0.0000			0.0000
Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324		3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	2.1182	1.7544	3.8726	0.3207	1.6324	1.9531		3,283.3453	3,283.3453	0.8930		3,305.6708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0815	2.9049	0.6964	7.6000e-003	0.1707	0.0112	0.1818	0.0467	0.0107	0.0574	845.3212	845.3212	0.0883	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607	225.2281	225.2281	5.5400e-003		225.3665
Total	0.1639	2.9589	1.4099	9.8600e-003	0.3942	0.0126	0.4069	0.1060	0.0121	0.1181	1,070.5492	1,070.5492	0.0938		1,072.8938

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8261	0.0000	0.8261	0.1251	0.0000	0.1251			0.0000			0.0000
Off-Road	0.3950	1.7117	21.7446	0.0334		0.0527	0.0527		0.0527	0.0527	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708
Total	0.3950	1.7117	21.7446	0.0334	0.8261	0.0527	0.8788	0.1251	0.0527	0.1778	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0815	2.9049	0.6964	7.6000e-003	0.1707	0.0112	0.1818	0.0467	0.0107	0.0574	845.3212	845.3212	0.0883			847.5273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607	225.2281	225.2281	5.5400e-003			225.3665

Total	0.1639	2.9589	1.4099	9.8600e-003	0.3942	0.0126	0.4069	0.1060	0.0121	0.1181		1,070.5492	1,070.5492	0.0938		1,072.8938
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3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800		3,424.8806	3,424.8806	1.0836		3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	6.5523	1.9348	8.4871	3.3675	1.7800	5.1475		3,424.8806	3,424.8806	1.0836		3,451.9705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.4232	1.8337	18.8393	0.0346		0.0564	0.0564		0.0564	0.0564	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705
Total	0.4232	1.8337	18.8393	0.0346	2.5554	0.0564	2.6118	1.3133	0.0564	1.3697	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0824	1.2863	2.3687	0.1639	1.2017	1.3656		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0416	1.4821	0.3553	3.8800e-003	0.1921	5.6900e-003	0.1978	0.0496	5.4400e-003	0.0551		431.2863	431.2863	0.0450		432.4119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0951	1.5172	0.8191	5.3500e-003	0.3374	6.6600e-003	0.3440	0.0882	6.3300e-003	0.0945		577.6846	577.6846	0.0486		578.9001

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0416	1.4821	0.3553	3.8800e-003	0.1921	5.6900e-003	0.1978	0.0496	5.4400e-003	0.0551		431.2863	431.2863	0.0450		432.4119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0351	0.4638	1.4700e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		146.3982	146.3982	3.6000e-003		146.4882
Total	0.0951	1.5172	0.8191	5.3500e-003	0.3374	6.6600e-003	0.3440	0.0882	6.3300e-003	0.0945		577.6846	577.6846	0.0486		578.9001

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.0824	1.1525	2.2349	0.1639	1.0761	1.2400		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0378	1.3749	0.3474	3.8300e-003	0.1287	4.4500e-003	0.1331	0.0341	4.2600e-003	0.0383		426.5289	426.5289	0.0442	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864
Total	0.0877	1.4063	0.7729	5.2500e-003	0.2740	5.4100e-003	0.2794	0.0726	5.1400e-003	0.0777		568.2346	568.2346	0.0474		569.4207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0378	1.3749	0.3474	3.8300e-003	0.1287	4.4500e-003	0.1331	0.0341	4.2600e-003	0.0383		426.5289	426.5289	0.0442		427.6343
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0315	0.4255	1.4200e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		141.7057	141.7057	3.2300e-003		141.7864

Total	0.0877	1.4063	0.7729	5.2500e-003	0.2740	5.4100e-003	0.2794	0.0726	5.1400e-003	0.0777		568.2346	568.2346	0.0474		569.4207
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3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597
Total	0.1484	0.0973	1.2843	4.0700e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		405.4105	405.4105	9.9700e-003		405.6597

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393
Total	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393
Total	0.1384	0.0872	1.1784	3.9400e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		392.4157	392.4157	8.9500e-003		392.6393

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.5523	0.9902	7.5425	3.3675	0.9110	4.2784		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665

Total	0.0384	0.0242	0.3273	1.0900e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.0044	109.0044	2.4800e-003		109.0665
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3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Unmitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phases 1A-1B ALT1 Mitigated - Orange County, Winter

**JWA Phases 1A-1B ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	43.04	1000sqft	0.99	43,038.00	0
Other Non-Asphalt Surfaces	48.38	1000sqft	1.11	48,384.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Schedule based on schedule provided by AECOM

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - * Defined in project schedule or ROM estimate

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	5485	6301
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	6.00	18.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	10.00	34.00

tblConstructionPhase	NumDays	10.00	32.00
tblLandUse	LandUseSquareFeet	43,040.00	43,038.00
tblLandUse	LandUseSquareFeet	48,380.00	48,384.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.7817	78.2441	50.6969	0.0925	9.4766	4.1193	13.5959	4.0047	3.8095	7.8142	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948
2020	4.1867	43.7415	30.5927	0.0539	8.0205	2.1489	10.1694	3.6336	1.9930	5.6266	0.0000	5,257.8835	5,257.8835	1.2933	0.0000	5,290.2015
Maximum	7.7817	78.2441	50.6969	0.0925	9.4766	4.1193	13.5959	4.0047	3.8095	7.8142	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	1.3904	5.8819	52.0570	0.0925	4.8194	0.1392	4.9586	1.8506	0.1384	1.9890	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948
2020	0.7809	3.8167	31.8824	0.0539	3.3633	0.0788	3.4407	1.4795	0.0783	1.5565	0.0000	5,257.8835	5,257.8835	1.2933	0.0000	5,290.2015
Maximum	1.3904	5.8819	52.0570	0.0925	4.8194	0.1392	4.9586	1.8506	0.1384	1.9890	0.0000	9,170.1883	9,170.1883	2.3923	0.0000	9,229.9948

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	81.86	92.05	-3.26	0.00	53.23	96.52	64.66	56.40	96.27	73.62	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0413	9.0000e-005	9.3700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005	0.0000	0.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 1A	Demolition	9/19/2019	10/16/2019	5	20	
2	Subgrade - 1A	Grading	11/14/2019	12/9/2019	5	18	
3	Demolition - 1B	Demolition	12/9/2019	2/6/2020	5	44	
4	Construction of Tie-Down Area Pavement - 1A	Paving	12/9/2019	1/23/2020	5	34	
5	Subgrade - 1B	Grading	2/6/2020	2/27/2020	5	16	
6	Construction of Tie-Down Area Pavement - 1B	Paving	2/27/2020	4/10/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 1A	Cement and Mortar Mixers	0		9	0.56
Demolition - 1A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 1A	Pavers	0		130	0.42
Demolition - 1A	Paving Equipment	0		132	0.36
Demolition - 1A	Rollers	0		80	0.38
Demolition - 1A	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition - 1A	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Subgrade - 1A	Concrete/Industrial Saws	0			81	0.73
Subgrade - 1A	Graders	1	8.00		187	0.41
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Subgrade - 1A	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Demolition - 1B	Concrete/Industrial Saws	1	8.00		81	0.73
Demolition - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Demolition - 1B	Tractors/Loaders/Backhoes	3	8.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
PavementM - 1A	Graders	0			187	0.41
Construction of Tie-Down Area	Pavers	1	8.00		130	0.42
PavementM - 1A	Paving Equipment	1	8.00		132	0.36
Construction of Tie-Down Area	Rollers	2	8.00		80	0.38
PavementM - 1A	Rubber Tired Dozers	0			247	0.40
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
PavementM - 1A	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Subgrade - 1B	Graders	1	8.00		187	0.41
Subgrade - 1B	Rubber Tired Dozers	1	8.00		247	0.40
Subgrade - 1B	Tractors/Loaders/Backhoes	2	7.00		97	0.37
Construction of Tie-Down Area	Cement and Mortar Mixers	1	8.00		9	0.56
Pavement - 1B	Pavers	1	8.00		130	0.42
Construction of Tie-Down Area	Paving Equipment	1	8.00		132	0.36
Pavement - 1B	Rollers	2	8.00		80	0.38
Construction of Tie-Down Area	Tractors/Loaders/Backhoes	1	8.00		97	0.37
Pavement - 1B						

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 1A	8	20.00	0.00	196.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1A	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 1B	5	13.00	0.00	220.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Subgrade - 1B	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Tie-Down Area Pavement	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1182	0.0000	2.1182	0.3207	0.0000	0.3207			0.0000			0.0000
Off-Road	2.9934	29.6872	21.8024	0.0334		1.7544	1.7544		1.6324	1.6324		3,283.3453	3,283.3453	0.8930		3,305.6708
Total	2.9934	29.6872	21.8024	0.0334	2.1182	1.7544	3.8726	0.3207	1.6324	1.9531		3,283.3453	3,283.3453	0.8930		3,305.6708

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0836	2.9431	0.7372	7.4900e-003	0.1707	0.0114	0.1821	0.0467	0.0109	0.0576	832.7947	832.7947	0.0905	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607	213.1547	213.1547	5.2500e-003		213.2860
Total	0.1766	3.0025	1.3978	9.6300e-003	0.3942	0.0129	0.4071	0.1060	0.0123	0.1183	1,045.9494	1,045.9494	0.0958		1,048.3436

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					0.8261	0.0000	0.8261	0.1251	0.0000	0.1251			0.0000			0.0000
Off-Road	0.3950	1.7117	21.7446	0.0334		0.0527	0.0527		0.0527	0.0527	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708
Total	0.3950	1.7117	21.7446	0.0334	0.8261	0.0527	0.8788	0.1251	0.0527	0.1778	0.0000	3,283.3453	3,283.3453	0.8930		3,305.6708

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0836	2.9431	0.7372	7.4900e-003	0.1707	0.0114	0.1821	0.0467	0.0109	0.0576	832.7947	832.7947	0.0905			835.0576
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607	213.1547	213.1547	5.2500e-003			213.2860

Total	0.1766	3.0025	1.3978	9.6300e-003	0.3942	0.0129	0.4071	0.1060	0.0123	0.1183		1,045.9494	1,045.9494	0.0958		1,048.3436
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3.3 Subgrade - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.5707	38.9092	18.4656	0.0346		1.9348	1.9348		1.7800	1.7800		3,424.8806	3,424.8806	1.0836		3,451.9705
Total	3.5707	38.9092	18.4656	0.0346	6.5523	1.9348	8.4871	3.3675	1.7800	5.1475		3,424.8806	3,424.8806	1.0836		3,451.9705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.4232	1.8337	18.8393	0.0346		0.0564	0.0564		0.0564	0.0564	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705
Total	0.4232	1.8337	18.8393	0.0346	2.5554	0.0564	2.6118	1.3133	0.0564	1.3697	0.0000	3,424.8806	3,424.8806	1.0836		3,451.9705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

3.4 Demolition - 1B - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	2.2950	22.6751	14.8943	0.0241	1.0824	1.2863	2.3687	0.1639	1.2017	1.3656		2,360.7198	2,360.7198	0.6011		2,375.7475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0427	1.5016	0.3761	3.8200e-003	0.1921	5.8200e-003	0.1979	0.0496	5.5700e-003	0.0552		424.8952	424.8952	0.0462		426.0498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1031	1.5402	0.8055	5.2100e-003	0.3374	6.7900e-003	0.3442	0.0882	6.4600e-003	0.0946		563.4458	563.4458	0.0496		564.6857

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0427	1.5016	0.3761	3.8200e-003	0.1921	5.8200e-003	0.1979	0.0496	5.5700e-003	0.0552		424.8952	424.8952	0.0462		426.0498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0386	0.4294	1.3900e-003	0.1453	9.7000e-004	0.1463	0.0385	8.9000e-004	0.0394		138.5506	138.5506	3.4100e-003		138.6359
Total	0.1031	1.5402	0.8055	5.2100e-003	0.3374	6.7900e-003	0.3442	0.0882	6.4600e-003	0.0946		563.4458	563.4458	0.0496		564.6857

3.4 Demolition - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0824	0.0000	1.0824	0.1639	0.0000	0.1639			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	1.0824	1.1525	2.2349	0.1639	1.0761	1.2400		2,322.3127	2,322.3127	0.5970		2,337.2363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0387	1.3922	0.3658	3.7700e-003	0.1287	4.5300e-003	0.1332	0.0341	4.3400e-003	0.0384		420.0900	420.0900	0.0453		421.2216
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873
Total	0.0952	1.4267	0.7591	5.1100e-003	0.2740	5.4900e-003	0.2795	0.0726	5.2200e-003	0.0778		554.2007	554.2007	0.0483		555.4088

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4222	0.0000	0.4222	0.0639	0.0000	0.0639			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	0.2811	1.2179	14.7184	0.0241	0.4222	0.0375	0.4596	0.0639	0.0375	0.1014	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0387	1.3922	0.3658	3.7700e-003	0.1287	4.5300e-003	0.1332	0.0341	4.3400e-003	0.0384		420.0900	420.0900	0.0453		421.2216
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0565	0.0346	0.3933	1.3400e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		134.1108	134.1108	3.0600e-003		134.1873

Total	0.0952	1.4267	0.7591	5.1100e-003	0.2740	5.4900e-003	0.2795	0.0726	5.2200e-003	0.0778		554.2007	554.2007	0.0483		555.4088
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3.5 Construction of Tie-Down Area PavementM - 1A - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4781	14.9058	14.1534	0.0209		0.8861	0.8861		0.8164	0.8164		2,053.7850	2,053.7850	0.6391		2,069.7615

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,053.7850	2,053.7850	0.6391		2,069.7615

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149
Total	0.1674	0.1069	1.1890	3.8500e-003	0.7522	2.6900e-003	0.7549	0.1926	2.4800e-003	0.1951		383.6785	383.6785	9.4500e-003		383.9149

3.5 Construction of Tie-Down Area PavementM - 1A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3642	13.6924	14.0873	0.0209		0.7896	0.7896		0.7276	0.7276		2,009.9865	2,009.9865	0.6390		2,025.9609

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955
Total	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2484	1.0762	15.3158	0.0209		0.0331	0.0331		0.0331	0.0331	0.0000	2,009.9865	2,009.9865	0.6390		2,025.9609

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955
Total	0.1563	0.0958	1.0891	3.7200e-003	0.7522	2.6600e-003	0.7549	0.1926	2.4500e-003	0.1950		371.3836	371.3836	8.4700e-003		371.5955

3.6 Subgrade - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902		0.9110	0.9110		1,996.4061	1,996.4061	0.6457		2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	6.5523	0.9902	7.5425	3.3675	0.9110	4.2784		1,996.4061	1,996.4061	0.6457		2,012.5480

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303	103.1621	103.1621	2.3500e-003	103.2210		
Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,996.4061	1,996.4061	0.6457		2,012.5480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303	103.1621	103.1621	2.3500e-003	103.2210		

Total	0.0434	0.0266	0.3025	1.0300e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		103.1621	103.1621	2.3500e-003		103.2210
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3.7 Construction of Tie-Down Area Pavement - 1B - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417			1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417			1,722.7605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003			154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003			154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0178		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.558976	0.043534	0.209821	0.113949	0.016111	0.005791	0.025447	0.016654	0.001713	0.001553	0.004896	0.000590	0.000966

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213
Unmitigated	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0200	0.0200	5.0000e-005		0.0213

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213
Total	0.0413	9.0000e-005	9.3700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0200	0.0200	5.0000e-005	0.0213

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 ALT1 Mitigated - Orange County, Summer

**JWA Phase 2 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	124.20	1000sqft	2.85	124,200.00	0
Parking Lot	71.22	1000sqft	1.63	71,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	31063	33000
tblAreaCoating	Area_Nonresidential_Interior	93188	99000
tblAreaCoating	Area_Parking	11725	10378
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02

tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004

tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	71,220.00	71,217.00
tblSolidWaste	SolidWasteGenerationRate	27.09	30.69
tblVehicleEF	HHD	0.63	0.68
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	2.36	2.50
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	3.99	4.02
tblVehicleEF	HHD	4,116.44	4,165.36
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.04	21.32
tblVehicleEF	HHD	3.96	4.38
tblVehicleEF	HHD	19.26	19.32
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004

tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.57	0.60
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9200e-004	1.9100e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.68	0.72
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	HHD	0.59	0.64
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	1.72	1.82
tblVehicleEF	HHD	1.30	1.29
tblVehicleEF	HHD	3.80	3.83
tblVehicleEF	HHD	4,359.67	4,410.69
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.68	21.99
tblVehicleEF	HHD	3.75	4.15
tblVehicleEF	HHD	19.25	19.31
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.54	0.57
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8900e-004	1.8800e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.64	0.68
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.68	0.73
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	3.25	3.44
tblVehicleEF	HHD	1.29	1.28

tblVehicleEF	HHD	4.03	4.06
tblVehicleEF	HHD	3,780.54	3,826.56
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	19.16	20.38
tblVehicleEF	HHD	3.89	4.31
tblVehicleEF	HHD	19.27	19.33
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.61	0.65
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9300e-004	1.9200e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.73	0.77

tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	LDA	4.3340e-003	4.7780e-003
tblVehicleEF	LDA	5.1760e-003	5.9450e-003
tblVehicleEF	LDA	0.58	0.62
tblVehicleEF	LDA	1.10	1.22
tblVehicleEF	LDA	263.86	274.63
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6420e-003	2.7500e-003
tblVehicleEF	LDA	6.0200e-004	6.2500e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.09

tblVehicleEF	LDA	4.5760e-003	5.0430e-003
tblVehicleEF	LDA	4.6500e-003	5.3400e-003
tblVehicleEF	LDA	0.63	0.67
tblVehicleEF	LDA	0.95	1.06
tblVehicleEF	LDA	274.96	286.20
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	2.7540e-003	2.8670e-003
tblVehicleEF	LDA	5.9900e-004	6.2300e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	4.2520e-003	4.6870e-003
tblVehicleEF	LDA	5.2830e-003	6.0690e-003
tblVehicleEF	LDA	0.56	0.60
tblVehicleEF	LDA	1.13	1.26

tblVehicleEF	LDA	259.76	270.36
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6010e-003	2.7070e-003
tblVehicleEF	LDA	6.0200e-004	6.2600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDT1	9.9920e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.19	1.30
tblVehicleEF	LDT1	2.74	3.03
tblVehicleEF	LDT1	324.21	333.96
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.16	0.18

tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	3.2560e-003	3.3550e-003
tblVehicleEF	LDT1	7.6600e-004	7.8900e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.28	1.40
tblVehicleEF	LDT1	2.36	2.61
tblVehicleEF	LDT1	337.31	347.44
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003

tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	3.3880e-003	3.4910e-003
tblVehicleEF	LDT1	7.5900e-004	7.8100e-004
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	9.8200e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.16	1.26
tblVehicleEF	LDT1	2.82	3.12
tblVehicleEF	LDT1	319.38	328.99
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03

tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.19	0.22
tblVehicleEF	LDT1	3.2070e-003	3.3050e-003
tblVehicleEF	LDT1	7.6700e-004	7.9000e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT2	5.7840e-003	6.2570e-003
tblVehicleEF	LDT2	6.6620e-003	7.5390e-003
tblVehicleEF	LDT2	0.74	0.79
tblVehicleEF	LDT2	1.41	1.57
tblVehicleEF	LDT2	369.26	381.95
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6980e-003	3.8250e-003
tblVehicleEF	LDT2	8.4100e-004	8.6900e-004

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	6.1050e-003	6.6030e-003
tblVehicleEF	LDT2	5.9960e-003	6.7840e-003
tblVehicleEF	LDT2	0.80	0.86
tblVehicleEF	LDT2	1.22	1.36
tblVehicleEF	LDT2	384.42	397.64
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	3.8500e-003	3.9830e-003
tblVehicleEF	LDT2	8.3800e-004	8.6500e-004
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	5.6750e-003	6.1400e-003
tblVehicleEF	LDT2	6.7990e-003	7.6940e-003
tblVehicleEF	LDT2	0.72	0.76
tblVehicleEF	LDT2	1.45	1.61
tblVehicleEF	LDT2	363.66	376.16
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6420e-003	3.7670e-003
tblVehicleEF	LDT2	8.4100e-004	8.7000e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.78	0.86
tblVehicleEF	LHD1	2.55	2.73
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.27	1.37
tblVehicleEF	LHD1	1.04	1.09
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7900e-004	3.9400e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.79	0.87
tblVehicleEF	LHD1	2.44	2.61
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.19	1.29
tblVehicleEF	LHD1	1.00	1.04
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.27	0.27

tblVehicleEF	LHD1	0.26	0.28
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7700e-004	3.9200e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.28	0.30
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.77	0.86
tblVehicleEF	LHD1	2.56	2.74
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.24	1.34
tblVehicleEF	LHD1	1.05	1.10
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004

tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.8000e-004	3.9400e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2710e-003	4.8900e-003
tblVehicleEF	LHD2	9.4470e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.51
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.87	1.00
tblVehicleEF	LHD2	0.60	0.65
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.3220e-003	4.9510e-003
tblVehicleEF	LHD2	9.1410e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.37	0.42
tblVehicleEF	LHD2	1.32	1.45
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61

tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.82	0.95
tblVehicleEF	LHD2	0.58	0.63
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.0900e-004	3.2200e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
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tblVehicleEF	LHD2	9.5090e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.52
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.85	0.99
tblVehicleEF	LHD2	0.61	0.66
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
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tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.61	18.92
tblVehicleEF	MCY	9.56	9.54
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.38	2.40
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.05	2.07
tblVehicleEF	MCY	2.1510e-003	2.1490e-003
tblVehicleEF	MCY	6.7000e-004	6.7400e-004
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.95	2.97
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.24	2.25

tblVehicleEF	MCY	0.47	0.47
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	17.91	18.20
tblVehicleEF	MCY	8.81	8.80
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	1.85	1.86
tblVehicleEF	MCY	2.1380e-003	2.1360e-003
tblVehicleEF	MCY	6.5100e-004	6.5500e-004
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.89	2.89
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	2.01	2.02
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.72	19.03
tblVehicleEF	MCY	9.67	9.65

tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.39	2.41
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.09	2.11
tblVehicleEF	MCY	2.1530e-003	2.1510e-003
tblVehicleEF	MCY	6.7300e-004	6.7700e-004
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tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.97	2.98
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.28	2.29
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	1.26	1.39
tblVehicleEF	MDV	2.62	2.88
tblVehicleEF	MDV	500.02	514.66
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.24	0.27

tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	5.0080e-003	5.1570e-003
tblVehicleEF	MDV	1.1270e-003	1.1610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	1.36	1.50
tblVehicleEF	MDV	2.27	2.50
tblVehicleEF	MDV	519.96	535.20
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.23	0.26
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003

tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.18	0.20
tblVehicleEF	MDV	5.2090e-003	5.3640e-003
tblVehicleEF	MDV	1.1210e-003	1.1540e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.23	1.35
tblVehicleEF	MDV	2.69	2.96
tblVehicleEF	MDV	492.66	507.08
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.13	0.15
tblVehicleEF	MDV	0.25	0.28
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03

tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.23
tblVehicleEF	MDV	4.9340e-003	5.0800e-003
tblVehicleEF	MDV	1.1290e-003	1.1620e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.15	2.58
tblVehicleEF	MH	5.50	5.94
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.43	1.52
tblVehicleEF	MH	0.78	0.81
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	6.7000e-004	6.9200e-004
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.39
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.21	2.62
tblVehicleEF	MH	5.21	5.63
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.33	1.41
tblVehicleEF	MH	0.75	0.78
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.31	0.34
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.6500e-004	6.8600e-004
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07

tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.34	0.38
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.13	2.56
tblVehicleEF	MH	5.54	5.98
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.40	1.49
tblVehicleEF	MH	0.79	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7100e-004	6.9200e-004
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	0.35	0.40
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2090e-003	7.0470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.36	0.43
tblVehicleEF	MHD	0.33	0.52
tblVehicleEF	MHD	6.12	6.64
tblVehicleEF	MHD	141.40	144.07
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.54	0.91
tblVehicleEF	MHD	1.18	1.91
tblVehicleEF	MHD	10.59	10.60
tblVehicleEF	MHD	2.3000e-004	2.6680e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.2000e-004	2.5520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.3610e-003	1.3870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.2900e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003

tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.41	0.45
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2610e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.26	0.32
tblVehicleEF	MHD	0.34	0.52
tblVehicleEF	MHD	5.83	6.33
tblVehicleEF	MHD	149.77	152.59
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.56	0.94
tblVehicleEF	MHD	1.12	1.81
tblVehicleEF	MHD	10.55	10.56
tblVehicleEF	MHD	1.9400e-004	2.2490e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	1.8500e-004	2.1520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02

tblVehicleEF	MHD	0.36	0.39
tblVehicleEF	MHD	1.4400e-003	1.4670e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0900e-004	7.2300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.40	0.43
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1930e-003	7.0270e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.50	0.60
tblVehicleEF	MHD	0.33	0.51
tblVehicleEF	MHD	6.17	6.70
tblVehicleEF	MHD	129.83	132.28
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.52	0.87
tblVehicleEF	MHD	1.16	1.88
tblVehicleEF	MHD	10.60	10.61
tblVehicleEF	MHD	2.8000e-004	3.2460e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.6800e-004	3.1060e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.2520e-003	1.2760e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1500e-004	7.3000e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.42	0.45
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.4360e-003	9.6820e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	0.58	0.66
tblVehicleEF	OBUS	5.60	5.92
tblVehicleEF	OBUS	84.68	84.60
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.42	0.47
tblVehicleEF	OBUS	1.44	1.72
tblVehicleEF	OBUS	2.11	2.16
tblVehicleEF	OBUS	1.4500e-004	2.1500e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003

tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.3900e-004	2.0600e-004
tblVehicleEF	OBUS	7.0420e-003	8.3600e-003
tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	8.0700e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.41
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.5800e-003	9.8490e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.27
tblVehicleEF	OBUS	0.58	0.67
tblVehicleEF	OBUS	5.31	5.62
tblVehicleEF	OBUS	88.70	88.61
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.43	0.48

tblVehicleEF	OBUS	1.35	1.62
tblVehicleEF	OBUS	2.08	2.12
tblVehicleEF	OBUS	1.2200e-004	1.8100e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.1700e-004	1.7400e-004
tblVehicleEF	OBUS	7.0420e-003	8.3600e-003
tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.34	0.36
tblVehicleEF	OBUS	8.5900e-004	8.5800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9100e-004	8.0100e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.37	0.40
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3930e-003	9.6320e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.30
tblVehicleEF	OBUS	0.57	0.65

tblVehicleEF	OBUS	5.64	5.97
tblVehicleEF	OBUS	79.14	79.07
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.40	0.45
tblVehicleEF	OBUS	1.41	1.68
tblVehicleEF	OBUS	2.12	2.17
tblVehicleEF	OBUS	1.7600e-004	2.6200e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.6900e-004	2.5100e-004
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tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9700e-004	8.0800e-004
tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.42
tblVehicleEF	SBUS	0.87	0.88

tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.16	8.02
tblVehicleEF	SBUS	1.19	1.27
tblVehicleEF	SBUS	9.61	9.90
tblVehicleEF	SBUS	1,131.05	1,146.39
tblVehicleEF	SBUS	1,090.69	1,099.72
tblVehicleEF	SBUS	54.18	52.78
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tblVehicleEF	SBUS	4.65	5.04
tblVehicleEF	SBUS	12.50	12.79
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0800e-004	7.0000e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003

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tblVehicleEF	SBUS	1.42	1.40
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.57
tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	8.04	7.89
tblVehicleEF	SBUS	1.21	1.29
tblVehicleEF	SBUS	7.94	8.18
tblVehicleEF	SBUS	1,182.37	1,199.03
tblVehicleEF	SBUS	1,090.69	1,099.72
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tblVehicleEF	SBUS	4.39	4.75
tblVehicleEF	SBUS	12.46	12.76
tblVehicleEF	SBUS	8.9100e-003	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	8.5240e-003	9.7020e-003
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	2.6570e-003	2.7350e-003

tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.46	0.47
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	6.7100e-004
tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.40
tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.50	0.52
tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.33	8.20
tblVehicleEF	SBUS	1.18	1.27
tblVehicleEF	SBUS	9.77	10.06
tblVehicleEF	SBUS	1,060.18	1,073.69
tblVehicleEF	SBUS	1,090.69	1,099.72
tblVehicleEF	SBUS	54.18	52.78
tblVehicleEF	SBUS	9.36	10.02
tblVehicleEF	SBUS	4.57	4.95
tblVehicleEF	SBUS	12.51	12.80
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.99	0.98
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.53
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1100e-004	7.0200e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.41
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.58
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.96	9.40
tblVehicleEF	UBUS	13.19	13.37
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.82	5.44
tblVehicleEF	UBUS	13.49	13.69
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05

tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	0.53	0.57
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.96	0.97
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5700e-003	1.5510e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	2.52	2.69
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	1.06
tblVehicleEF	UBUS	1.94	2.06
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	9.02	9.46
tblVehicleEF	UBUS	11.63	11.79
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.53	5.12
tblVehicleEF	UBUS	13.42	13.62
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23

tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	0.53	0.58
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.89	0.90
tblVehicleEF	UBUS	8.6450e-003	8.7590e-003
tblVehicleEF	UBUS	1.5430e-003	1.5230e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	2.53	2.70
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.95	9.39
tblVehicleEF	UBUS	13.46	13.64
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.73	5.34
tblVehicleEF	UBUS	13.51	13.71
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003

tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	0.52	0.57
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5750e-003	1.5550e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	2.52	2.68
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.07	1.08
tblWater	IndoorWaterUseRate	5,177,384.08	5,865,213.68
tblWater	OutdoorWaterUseRate	3,173,235.40	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.8015	85.1188	66.1987	0.1500	6.6642	3.9688	10.6330	1.4013	3.7147	5.1160	0.0000	14,902.4430	14,902.4430	2.6805	0.0000	14,969.4541
Maximum	8.8015	85.1188	66.1987	0.1500	6.6642	3.9688	10.6330	1.4013	3.7147	5.1160	0.0000	14,902.4430	14,902.4430	2.6805	0.0000	14,969.4541

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.5768	27.1976	70.3428	0.1500	4.6247	0.4981	5.1228	1.0925	0.4942	1.5867	0.0000	14,902.4430	14,902.4430	2.6805	0.0000	14,969.4541
Maximum	2.5768	27.1976	70.3428	0.1500	4.6247	0.4981	5.1228	1.0925	0.4942	1.5867	0.0000	14,902.4430	14,902.4430	2.6805	0.0000	14,969.4541

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	70.72	68.05	-6.26	0.00	30.60	87.45	51.82	22.04	86.70	68.99	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational
Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122
Total	2.4899	4.3549	14.0880	0.0521	4.3558	0.0688	4.4246	1.1648	0.0658	1.2306		5,437.1799	5,437.1799	0.2179	5.6500e-003	5,444.3104

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122
Total	2.4899	4.3549	14.0880	0.0521	4.3558	0.0688	4.4246	1.1648	0.0658	1.2306		5,437.1799	5,437.1799	0.2179	5.6500e-003	5,444.3104

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	711.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of FBO - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3434	0.0000	3.3434	0.5062	0.0000	0.5062			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	3.3434	1.6587	5.0021	0.5062	1.5419	2.0481		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1167	4.2501	1.0739	0.0118	0.2691	0.0138	0.2829	0.0737	0.0132	0.0868		1,318.5308	1,318.5308	0.1367		1,321.9477
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003	163.5997
Total	0.1744	4.2864	1.5649	0.0135	0.4368	0.0149	0.4517	0.1181	0.0142	0.1323		1,482.0373	1,482.0373	0.1404	1,485.5474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3039	0.0000	1.3039	0.1974	0.0000	0.1974			0.0000			0.0000
Off-Road	0.6714	9.1825	24.6739	0.0388		0.3404	0.3404		0.3404	0.3404	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.6714	9.1825	24.6739	0.0388	1.3039	0.3404	1.6444	0.1974	0.3404	0.5379	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1167	4.2501	1.0739	0.0118	0.2691	0.0138	0.2829	0.0737	0.0132	0.0868		1,318.5308	1,318.5308	0.1367		1,321.9477
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1744	4.2864	1.5649	0.0135	0.4368	0.0149	0.4517	0.1181	0.0142	0.1323		1,482.0373	1,482.0373	0.1404		1,485.5474

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991		1,138.7415	1,138.7415	0.0921		1,141.0440
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,144.5458	1,144.5458	0.0261		1,145.1981
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175		2,283.2873	2,283.2873	0.1182		2,286.2421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1342	4.3755	1.1549	0.0105	0.2684	0.0228	0.2912	0.0772	0.0218	0.0991	1,138.7415	1,138.7415	0.0921		1,141.0440	
Worker	0.4035	0.2542	3.4369	0.0115	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184	1,144.5458	1,144.5458	0.0261		1,145.1981	
Total	0.5377	4.6297	4.5918	0.0219	1.4420	0.0306	1.4726	0.3885	0.0290	0.4175	2,283.2873	2,283.2873	0.1182		2,286.2421	

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	163.5065	163.5065	3.7300e-003			163.5997

Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3991	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4139	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129.0163	5,129.0163	0.2118		5,134.3122

Unmitigated	0.9791	4.0979	13.8459	0.0506	4.3558	0.0492	4.4050	1.1648	0.0462	1.2110		5,129,016	5,129,016	0.2118		5,134,312
												3				2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Unmitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 2 ALT1 Mitigated - Orange County, Winter

**JWA Phase 2 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.13	1000sqft	0.67	29,125.00	0
General Light Industry	33.00	1000sqft	0.76	33,000.00	0
Other Non-Asphalt Surfaces	124.20	1000sqft	2.85	124,200.00	0
Parking Lot	71.22	1000sqft	1.63	71,217.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Area Coating - * Defined in project schedule and ROM estimate

Landscape Equipment -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	31063	33000
tblAreaCoating	Area_Nonresidential_Interior	93188	99000
tblAreaCoating	Area_Parking	11725	10378
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	114.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	36.00
tblConstructionPhase	NumDays	20.00	32.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDA	0.56	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02

tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD1	0.02	0.02
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	LHD2	5.7910e-003	5.7950e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MCY	4.8960e-003	4.8670e-003
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MDV	0.11	0.12
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MH	9.6600e-004	1.0020e-003
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	MHD	0.03	0.03
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	OBUS	1.7130e-003	1.6770e-003
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004
tbFleetMix	SBUS	5.9000e-004	5.8600e-004

tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblFleetMix	UBUS	1.5530e-003	1.5860e-003
tblLandUse	LandUseSquareFeet	29,130.00	29,125.00
tblLandUse	LandUseSquareFeet	71,220.00	71,217.00
tblSolidWaste	SolidWasteGenerationRate	27.09	30.69
tblVehicleEF	HHD	0.63	0.68
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	2.36	2.50
tblVehicleEF	HHD	1.29	1.28
tblVehicleEF	HHD	3.99	4.02
tblVehicleEF	HHD	4,116.44	4,165.36
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.04	21.32
tblVehicleEF	HHD	3.96	4.38
tblVehicleEF	HHD	19.26	19.32
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004

tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.57	0.60
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9200e-004	1.9100e-004
tblVehicleEF	HHD	1.1800e-004	1.2700e-004
tblVehicleEF	HHD	4.9160e-003	5.4480e-003
tblVehicleEF	HHD	0.68	0.72
tblVehicleEF	HHD	8.9000e-005	9.4000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.6300e-004	5.1600e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	HHD	0.59	0.64
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	1.72	1.82
tblVehicleEF	HHD	1.30	1.29
tblVehicleEF	HHD	3.80	3.83
tblVehicleEF	HHD	4,359.67	4,410.69
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	20.68	21.99
tblVehicleEF	HHD	3.75	4.15
tblVehicleEF	HHD	19.25	19.31
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.54	0.57
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.09	0.10
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8900e-004	1.8800e-004
tblVehicleEF	HHD	1.6900e-004	1.8300e-004
tblVehicleEF	HHD	5.0090e-003	5.5360e-003
tblVehicleEF	HHD	0.64	0.68
tblVehicleEF	HHD	1.2500e-004	1.3500e-004
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	4.4900e-004	5.0200e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.68	0.73
tblVehicleEF	HHD	0.16	0.16
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	3.25	3.44
tblVehicleEF	HHD	1.29	1.28

tblVehicleEF	HHD	4.03	4.06
tblVehicleEF	HHD	3,780.54	3,826.56
tblVehicleEF	HHD	1,683.99	1,705.02
tblVehicleEF	HHD	12.64	12.47
tblVehicleEF	HHD	19.16	20.38
tblVehicleEF	HHD	3.89	4.31
tblVehicleEF	HHD	19.27	19.33
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.1600e-004	1.2400e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6750e-003	8.6780e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0700e-004	1.1400e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.61	0.65
tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.13	0.14
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9300e-004	1.9200e-004
tblVehicleEF	HHD	1.1700e-004	1.2800e-004
tblVehicleEF	HHD	5.3110e-003	5.9880e-003
tblVehicleEF	HHD	0.73	0.77

tblVehicleEF	HHD	9.0000e-005	9.6000e-005
tblVehicleEF	HHD	0.31	0.31
tblVehicleEF	HHD	5.0200e-004	5.5700e-004
tblVehicleEF	HHD	0.11	0.12
tblVehicleEF	LDA	4.3340e-003	4.7780e-003
tblVehicleEF	LDA	5.1760e-003	5.9450e-003
tblVehicleEF	LDA	0.58	0.62
tblVehicleEF	LDA	1.10	1.22
tblVehicleEF	LDA	263.86	274.63
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6420e-003	2.7500e-003
tblVehicleEF	LDA	6.0200e-004	6.2500e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.09

tblVehicleEF	LDA	4.5760e-003	5.0430e-003
tblVehicleEF	LDA	4.6500e-003	5.3400e-003
tblVehicleEF	LDA	0.63	0.67
tblVehicleEF	LDA	0.95	1.06
tblVehicleEF	LDA	274.96	286.20
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	2.7540e-003	2.8670e-003
tblVehicleEF	LDA	5.9900e-004	6.2300e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	4.2520e-003	4.6870e-003
tblVehicleEF	LDA	5.2830e-003	6.0690e-003
tblVehicleEF	LDA	0.56	0.60
tblVehicleEF	LDA	1.13	1.26

tblVehicleEF	LDA	259.76	270.36
tblVehicleEF	LDA	58.33	60.47
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	1.9130e-003	1.9490e-003
tblVehicleEF	LDA	2.2790e-003	2.2950e-003
tblVehicleEF	LDA	1.7630e-003	1.7970e-003
tblVehicleEF	LDA	2.0960e-003	2.1100e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	2.6010e-003	2.7070e-003
tblVehicleEF	LDA	6.0200e-004	6.2600e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDT1	9.9920e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.19	1.30
tblVehicleEF	LDT1	2.74	3.03
tblVehicleEF	LDT1	324.21	333.96
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.16	0.18

tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	3.2560e-003	3.3550e-003
tblVehicleEF	LDT1	7.6600e-004	7.8900e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.27
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.17
tblVehicleEF	LDT1	0.21	0.23
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.28	1.40
tblVehicleEF	LDT1	2.36	2.61
tblVehicleEF	LDT1	337.31	347.44
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.15	0.17
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003

tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	3.3880e-003	3.4910e-003
tblVehicleEF	LDT1	7.5900e-004	7.8100e-004
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.14	0.15
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	9.8200e-003	0.01
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.16	1.26
tblVehicleEF	LDT1	2.82	3.12
tblVehicleEF	LDT1	319.38	328.99
tblVehicleEF	LDT1	71.81	73.56
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.17	0.19
tblVehicleEF	LDT1	2.5570e-003	2.6710e-003
tblVehicleEF	LDT1	3.2780e-003	3.4230e-003
tblVehicleEF	LDT1	2.3530e-003	2.4590e-003
tblVehicleEF	LDT1	3.0150e-003	3.1480e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.02	0.03

tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.19	0.22
tblVehicleEF	LDT1	3.2070e-003	3.3050e-003
tblVehicleEF	LDT1	7.6700e-004	7.9000e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.29	0.31
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT2	5.7840e-003	6.2570e-003
tblVehicleEF	LDT2	6.6620e-003	7.5390e-003
tblVehicleEF	LDT2	0.74	0.79
tblVehicleEF	LDT2	1.41	1.57
tblVehicleEF	LDT2	369.26	381.95
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6980e-003	3.8250e-003
tblVehicleEF	LDT2	8.4100e-004	8.6900e-004

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	6.1050e-003	6.6030e-003
tblVehicleEF	LDT2	5.9960e-003	6.7840e-003
tblVehicleEF	LDT2	0.80	0.86
tblVehicleEF	LDT2	1.22	1.36
tblVehicleEF	LDT2	384.42	397.64
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	3.8500e-003	3.9830e-003
tblVehicleEF	LDT2	8.3800e-004	8.6500e-004
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	5.6750e-003	6.1400e-003
tblVehicleEF	LDT2	6.7990e-003	7.6940e-003
tblVehicleEF	LDT2	0.72	0.76
tblVehicleEF	LDT2	1.45	1.61
tblVehicleEF	LDT2	363.66	376.16
tblVehicleEF	LDT2	81.71	84.25
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	1.8090e-003	1.8030e-003
tblVehicleEF	LDT2	2.1990e-003	2.1770e-003
tblVehicleEF	LDT2	1.6640e-003	1.6590e-003
tblVehicleEF	LDT2	2.0220e-003	2.0020e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	3.6420e-003	3.7670e-003
tblVehicleEF	LDT2	8.4100e-004	8.7000e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.78	0.86
tblVehicleEF	LHD1	2.55	2.73
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.27	1.37
tblVehicleEF	LHD1	1.04	1.09
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7900e-004	3.9400e-004
tblVehicleEF	LHD1	2.8210e-003	2.9160e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	1.7870e-003	1.8220e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.28	0.28
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.79	0.87
tblVehicleEF	LHD1	2.44	2.61
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.19	1.29
tblVehicleEF	LHD1	1.00	1.04
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.27	0.27

tblVehicleEF	LHD1	0.26	0.28
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.7700e-004	3.9200e-004
tblVehicleEF	LHD1	3.9390e-003	4.0740e-003
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4300e-003	2.4870e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.27	0.27
tblVehicleEF	LHD1	0.28	0.30
tblVehicleEF	LHD1	5.7990e-003	6.1090e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.77	0.86
tblVehicleEF	LHD1	2.56	2.74
tblVehicleEF	LHD1	9.03	9.02
tblVehicleEF	LHD1	603.73	612.35
tblVehicleEF	LHD1	33.13	34.23
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.24	1.34
tblVehicleEF	LHD1	1.05	1.10
tblVehicleEF	LHD1	8.6000e-004	8.4400e-004
tblVehicleEF	LHD1	0.01	9.9690e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1700e-004	9.9400e-004
tblVehicleEF	LHD1	8.2300e-004	8.0700e-004
tblVehicleEF	LHD1	2.5110e-003	2.4920e-003
tblVehicleEF	LHD1	9.9290e-003	0.01
tblVehicleEF	LHD1	8.4300e-004	9.1500e-004

tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.06	0.07
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.27	0.29
tblVehicleEF	LHD1	5.9280e-003	6.0180e-003
tblVehicleEF	LHD1	3.8000e-004	3.9400e-004
tblVehicleEF	LHD1	2.9400e-003	3.0560e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8110e-003	1.8520e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.30	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.2710e-003	4.8900e-003
tblVehicleEF	LHD2	9.4470e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.51
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.87	1.00
tblVehicleEF	LHD2	0.60	0.65
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1610e-003	1.2770e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7900e-004	8.3500e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
tblVehicleEF	LHD2	4.3220e-003	4.9510e-003
tblVehicleEF	LHD2	9.1410e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.37	0.42
tblVehicleEF	LHD2	1.32	1.45
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61

tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.82	0.95
tblVehicleEF	LHD2	0.58	0.63
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.0900e-004	3.2200e-004
tblVehicleEF	LHD2	1.6270e-003	1.7890e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0610e-003	1.1420e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.09
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	4.2890e-003	4.5740e-003
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tblVehicleEF	LHD2	9.5090e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.36	0.41
tblVehicleEF	LHD2	1.38	1.52
tblVehicleEF	LHD2	13.67	13.66
tblVehicleEF	LHD2	619.08	627.61
tblVehicleEF	LHD2	28.46	29.47
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.85	0.99
tblVehicleEF	LHD2	0.61	0.66
tblVehicleEF	LHD2	1.1890e-003	1.1920e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7400e-003	0.01
tblVehicleEF	LHD2	4.6100e-004	5.0700e-004
tblVehicleEF	LHD2	1.1370e-003	1.1400e-003
tblVehicleEF	LHD2	2.6460e-003	2.6350e-003
tblVehicleEF	LHD2	9.3060e-003	9.7610e-003
tblVehicleEF	LHD2	4.2300e-004	4.6600e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	6.0340e-003	6.1210e-003
tblVehicleEF	LHD2	3.1000e-004	3.2300e-004
tblVehicleEF	LHD2	1.1810e-003	1.3120e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	7.7800e-004	8.3800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.14	0.16
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.61	18.92
tblVehicleEF	MCY	9.56	9.54
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.38	2.40
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.05	2.07
tblVehicleEF	MCY	2.1510e-003	2.1490e-003
tblVehicleEF	MCY	6.7000e-004	6.7400e-004
tblVehicleEF	MCY	1.13	1.14
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	0.71	0.71
tblVehicleEF	MCY	2.95	2.97
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.24	2.25

tblVehicleEF	MCY	0.47	0.47
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	17.91	18.20
tblVehicleEF	MCY	8.81	8.80
tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	1.85	1.86
tblVehicleEF	MCY	2.1380e-003	2.1360e-003
tblVehicleEF	MCY	6.5100e-004	6.5500e-004
tblVehicleEF	MCY	1.71	1.71
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	1.12	1.13
tblVehicleEF	MCY	2.89	2.89
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	2.01	2.02
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.72	19.03
tblVehicleEF	MCY	9.67	9.65

tblVehicleEF	MCY	177.57	176.85
tblVehicleEF	MCY	45.30	45.71
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.1370e-003	2.0750e-003
tblVehicleEF	MCY	3.9240e-003	4.0210e-003
tblVehicleEF	MCY	1.9990e-003	1.9420e-003
tblVehicleEF	MCY	3.7000e-003	3.7960e-003
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.39	2.41
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.09	2.11
tblVehicleEF	MCY	2.1530e-003	2.1510e-003
tblVehicleEF	MCY	6.7300e-004	6.7700e-004
tblVehicleEF	MCY	1.26	1.26
tblVehicleEF	MCY	0.89	0.91
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.97	2.98
tblVehicleEF	MCY	0.75	0.76
tblVehicleEF	MCY	2.28	2.29
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	1.26	1.39
tblVehicleEF	MDV	2.62	2.88
tblVehicleEF	MDV	500.02	514.66
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.24	0.27

tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
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tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	5.0080e-003	5.1570e-003
tblVehicleEF	MDV	1.1270e-003	1.1610e-003
tblVehicleEF	MDV	0.07	0.07
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tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	1.36	1.50
tblVehicleEF	MDV	2.27	2.50
tblVehicleEF	MDV	519.96	535.20
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.23	0.26
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003

tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.18	0.20
tblVehicleEF	MDV	5.2090e-003	5.3640e-003
tblVehicleEF	MDV	1.1210e-003	1.1540e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.22
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.23	1.35
tblVehicleEF	MDV	2.69	2.96
tblVehicleEF	MDV	492.66	507.08
tblVehicleEF	MDV	108.15	111.00
tblVehicleEF	MDV	0.13	0.15
tblVehicleEF	MDV	0.25	0.28
tblVehicleEF	MDV	1.9190e-003	1.9370e-003
tblVehicleEF	MDV	2.3090e-003	2.3370e-003
tblVehicleEF	MDV	1.7700e-003	1.7870e-003
tblVehicleEF	MDV	2.1250e-003	2.1510e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03

tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.23
tblVehicleEF	MDV	4.9340e-003	5.0800e-003
tblVehicleEF	MDV	1.1290e-003	1.1620e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.22	0.25
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.15	2.58
tblVehicleEF	MH	5.50	5.94
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.43	1.52
tblVehicleEF	MH	0.78	0.81
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	6.7000e-004	6.9200e-004
tblVehicleEF	MH	0.95	1.02
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.41	0.44
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.35	0.39
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.21	2.62
tblVehicleEF	MH	5.21	5.63
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.33	1.41
tblVehicleEF	MH	0.75	0.78
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.31	0.34
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.6500e-004	6.8600e-004
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.07	0.07

tblVehicleEF	MH	0.56	0.59
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.34	0.38
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.13	2.56
tblVehicleEF	MH	5.54	5.98
tblVehicleEF	MH	1,108.90	1,111.80
tblVehicleEF	MH	57.43	58.76
tblVehicleEF	MH	1.40	1.49
tblVehicleEF	MH	0.79	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0490e-003	1.2350e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.6500e-004	1.1410e-003
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.09	0.10
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.32	0.36
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7100e-004	6.9200e-004
tblVehicleEF	MH	1.05	1.13
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.43	0.46
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	0.35	0.40
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2090e-003	7.0470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.36	0.43
tblVehicleEF	MHD	0.33	0.52
tblVehicleEF	MHD	6.12	6.64
tblVehicleEF	MHD	141.40	144.07
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.54	0.91
tblVehicleEF	MHD	1.18	1.91
tblVehicleEF	MHD	10.59	10.60
tblVehicleEF	MHD	2.3000e-004	2.6680e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.2000e-004	2.5520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.3610e-003	1.3870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.2900e-004
tblVehicleEF	MHD	1.1360e-003	1.2010e-003

tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	7.3800e-004	7.6200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.41	0.45
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.2610e-003	7.1120e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.26	0.32
tblVehicleEF	MHD	0.34	0.52
tblVehicleEF	MHD	5.83	6.33
tblVehicleEF	MHD	149.77	152.59
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.56	0.94
tblVehicleEF	MHD	1.12	1.81
tblVehicleEF	MHD	10.55	10.56
tblVehicleEF	MHD	1.9400e-004	2.2490e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	1.8500e-004	2.1520e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02

tblVehicleEF	MHD	0.36	0.39
tblVehicleEF	MHD	1.4400e-003	1.4670e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0900e-004	7.2300e-004
tblVehicleEF	MHD	1.6040e-003	1.6980e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.0240e-003	1.0640e-003
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.40	0.43
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.1930e-003	7.0270e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.50	0.60
tblVehicleEF	MHD	0.33	0.51
tblVehicleEF	MHD	6.17	6.70
tblVehicleEF	MHD	129.83	132.28
tblVehicleEF	MHD	1,144.82	1,146.33
tblVehicleEF	MHD	60.68	61.21
tblVehicleEF	MHD	0.52	0.87
tblVehicleEF	MHD	1.16	1.88
tblVehicleEF	MHD	10.60	10.61
tblVehicleEF	MHD	2.8000e-004	3.2460e-003
tblVehicleEF	MHD	5.5730e-003	0.05
tblVehicleEF	MHD	7.9300e-004	8.2900e-004
tblVehicleEF	MHD	2.6800e-004	3.1060e-003
tblVehicleEF	MHD	5.3290e-003	0.05
tblVehicleEF	MHD	7.2900e-004	7.6300e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.38	0.41
tblVehicleEF	MHD	1.2520e-003	1.2760e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1500e-004	7.3000e-004
tblVehicleEF	MHD	1.1820e-003	1.2640e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	7.5300e-004	7.8200e-004
tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.42	0.45
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.4360e-003	9.6820e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	0.58	0.66
tblVehicleEF	OBUS	5.60	5.92
tblVehicleEF	OBUS	84.68	84.60
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.42	0.47
tblVehicleEF	OBUS	1.44	1.72
tblVehicleEF	OBUS	2.11	2.16
tblVehicleEF	OBUS	1.4500e-004	2.1500e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003

tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.3900e-004	2.0600e-004
tblVehicleEF	OBUS	7.0420e-003	8.3600e-003
tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	8.0700e-004
tblVehicleEF	OBUS	1.4250e-003	1.4550e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6500e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.41
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.5800e-003	9.8490e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.27
tblVehicleEF	OBUS	0.58	0.67
tblVehicleEF	OBUS	5.31	5.62
tblVehicleEF	OBUS	88.70	88.61
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.43	0.48

tblVehicleEF	OBUS	1.35	1.62
tblVehicleEF	OBUS	2.08	2.12
tblVehicleEF	OBUS	1.2200e-004	1.8100e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.1700e-004	1.7400e-004
tblVehicleEF	OBUS	7.0420e-003	8.3600e-003
tblVehicleEF	OBUS	7.6700e-004	7.6000e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.34	0.36
tblVehicleEF	OBUS	8.5900e-004	8.5800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9100e-004	8.0100e-004
tblVehicleEF	OBUS	1.9610e-003	2.0020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.0530e-003	1.0680e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.37	0.40
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3930e-003	9.6320e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.30
tblVehicleEF	OBUS	0.57	0.65

tblVehicleEF	OBUS	5.64	5.97
tblVehicleEF	OBUS	79.14	79.07
tblVehicleEF	OBUS	1,226.51	1,232.54
tblVehicleEF	OBUS	69.78	70.26
tblVehicleEF	OBUS	0.40	0.45
tblVehicleEF	OBUS	1.41	1.68
tblVehicleEF	OBUS	2.12	2.17
tblVehicleEF	OBUS	1.7600e-004	2.6200e-004
tblVehicleEF	OBUS	7.3790e-003	8.7560e-003
tblVehicleEF	OBUS	8.3400e-004	8.2600e-004
tblVehicleEF	OBUS	1.6900e-004	2.5100e-004
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tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.36	0.38
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9700e-004	8.0800e-004
tblVehicleEF	OBUS	1.4580e-003	1.4980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	7.6200e-004	7.7300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.39	0.42
tblVehicleEF	SBUS	0.87	0.88

tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.16	8.02
tblVehicleEF	SBUS	1.19	1.27
tblVehicleEF	SBUS	9.61	9.90
tblVehicleEF	SBUS	1,131.05	1,146.39
tblVehicleEF	SBUS	1,090.69	1,099.72
tblVehicleEF	SBUS	54.18	52.78
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tblVehicleEF	SBUS	4.65	5.04
tblVehicleEF	SBUS	12.50	12.79
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0800e-004	7.0000e-004
tblVehicleEF	SBUS	3.6480e-003	3.9220e-003

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tblVehicleEF	SBUS	1.9360e-003	1.9880e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.57
tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	8.04	7.89
tblVehicleEF	SBUS	1.21	1.29
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tblVehicleEF	SBUS	1,090.69	1,099.72
tblVehicleEF	SBUS	54.18	52.78
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tblVehicleEF	SBUS	8.9100e-003	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	8.5240e-003	9.7020e-003
tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.98	0.97
tblVehicleEF	SBUS	2.6570e-003	2.7350e-003

tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.46	0.47
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	6.7100e-004
tblVehicleEF	SBUS	4.9860e-003	5.3460e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.40
tblVehicleEF	SBUS	2.6570e-003	2.7350e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.50	0.52
tblVehicleEF	SBUS	0.87	0.88
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	8.33	8.20
tblVehicleEF	SBUS	1.18	1.27
tblVehicleEF	SBUS	9.77	10.06
tblVehicleEF	SBUS	1,060.18	1,073.69
tblVehicleEF	SBUS	1,090.69	1,099.72
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tblVehicleEF	SBUS	12.51	12.80
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	9.3500e-004	9.2400e-004
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	2.6810e-003	2.6900e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6000e-004	8.4900e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.99	0.98
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.51	0.53
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1100e-004	7.0200e-004
tblVehicleEF	SBUS	3.6990e-003	4.0560e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.42	1.41
tblVehicleEF	SBUS	1.8970e-003	1.9630e-003
tblVehicleEF	SBUS	0.16	0.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.56	0.58
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.96	9.40
tblVehicleEF	UBUS	13.19	13.37
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.82	5.44
tblVehicleEF	UBUS	13.49	13.69
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05

tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	0.53	0.57
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.96	0.97
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5700e-003	1.5510e-003
tblVehicleEF	UBUS	6.1570e-003	6.3040e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	3.6270e-003	3.6410e-003
tblVehicleEF	UBUS	2.52	2.69
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	1.06
tblVehicleEF	UBUS	1.94	2.06
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	9.02	9.46
tblVehicleEF	UBUS	11.63	11.79
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.53	5.12
tblVehicleEF	UBUS	13.42	13.62
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23

tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	0.53	0.58
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.89	0.90
tblVehicleEF	UBUS	8.6450e-003	8.7590e-003
tblVehicleEF	UBUS	1.5430e-003	1.5230e-003
tblVehicleEF	UBUS	8.2530e-003	8.4450e-003
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	4.8310e-003	4.8520e-003
tblVehicleEF	UBUS	2.53	2.70
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	1.93	2.05
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.95	9.39
tblVehicleEF	UBUS	13.46	13.64
tblVehicleEF	UBUS	1,828.32	1,845.89
tblVehicleEF	UBUS	133.38	131.11
tblVehicleEF	UBUS	4.73	5.34
tblVehicleEF	UBUS	13.51	13.71
tblVehicleEF	UBUS	0.53	0.54
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	1.1810e-003	1.1180e-003
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.0860e-003	1.0280e-003

tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	0.52	0.57
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	0.98	0.98
tblVehicleEF	UBUS	8.6430e-003	8.7570e-003
tblVehicleEF	UBUS	1.5750e-003	1.5550e-003
tblVehicleEF	UBUS	6.9610e-003	7.1840e-003
tblVehicleEF	UBUS	0.12	0.13
tblVehicleEF	UBUS	3.8300e-003	3.8750e-003
tblVehicleEF	UBUS	2.52	2.68
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.07	1.08
tblWater	IndoorWaterUseRate	5,177,384.08	5,865,213.68
tblWater	OutdoorWaterUseRate	3,173,235.40	3,594,808.39

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.9288	85.2233	65.9196	0.1480	6.6642	3.9699	10.6341	1.4013	3.7157	5.1170	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3703
Maximum	8.9288	85.2233	65.9196	0.1480	6.6642	3.9699	10.6341	1.4013	3.7157	5.1170	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3703

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.7040	27.3021	70.0638	0.1480	4.6247	0.4991	5.1238	1.0925	0.4952	1.5877	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3702
Maximum	2.7040	27.3021	70.0638	0.1480	4.6247	0.4991	5.1238	1.0925	0.4952	1.5877	0.0000	14,695.1193	14,695.1193	2.6901	0.0000	14,762.3702

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	69.72	67.96	-6.29	0.00	30.60	87.43	51.82	22.04	86.67	68.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296
Total	2.4751	4.4916	13.4371	0.0499	4.3558	0.0690	4.4248	1.1648	0.0660	1.2307		5,208.4339	5,208.4339	0.2164	5.6500e-003	5,215.5278

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Energy	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
Mobile	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296
Total	2.4751	4.4916	13.4371	0.0499	4.3558	0.0690	4.4248	1.1648	0.0660	1.2307		5,208.4339	5,208.4339	0.2164	5.6500e-003	5,215.5278

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 2	Demolition	1/23/2020	3/26/2020	5	46	
2	Construction of New Sheriff Office - 2	Building Construction	3/26/2020	9/30/2020	5	135	
3	Construction of FBO - 2	Building Construction	3/26/2020	9/1/2020	5	114	
4	Construction of Apron - 2	Paving	9/30/2020	11/18/2020	5	36	
5	Construction of Park Spaces / Lighting - 2	Paving	10/13/2020	11/25/2020	5	32	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 2	Excavators	3	8.00	158	0.38
Demolition - 2	Rubber Tired Dozers	2	8.00	247	0.40
Construction of New Sheriff Office - 2	Cranes	1	7.00	231	0.29
Construction of New Sheriff Office - 2	Forklifts	3	8.00	89	0.20
Construction of New Sheriff Office - 2	Generator Sets	1	8.00	84	0.74
Construction of New Sheriff Office - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of New Sheriff Office - 2	Welders	1	8.00	46	0.45
Construction of FBO - 2	Cranes	1	7.00	231	0.29
Construction of FBO - 2	Forklifts	3	8.00	89	0.20
Construction of FBO - 2	Generator Sets	1	8.00	84	0.74
Construction of FBO - 2	Pavers	0		130	0.42
Construction of FBO - 2	Paving Equipment	0		132	0.36
Construction of FBO - 2	Rollers	0		80	0.38
Construction of FBO - 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO - 2	Welders	1	8.00	46	0.45
Construction of Apron - 2	Pavers	2	8.00	130	0.42
Construction of Apron - 2	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 2	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 2	6	15.00	0.00	711.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of New Sheriff Office - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of FBO - 2	9	105.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3434	0.0000	3.3434	0.5062	0.0000	0.5062			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	3.3434	1.6587	5.0021	0.5062	1.5419	2.0481		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1196	4.3036	1.1307	0.0117	0.2691	0.0140	0.2831	0.0737	0.0134	0.0871		1,298.6259	1,298.6259	0.1399		1,302.1240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003	154.8314
Total	0.1848	4.3435	1.5845	0.0132	0.4368	0.0151	0.4519	0.1181	0.0144	0.1326		1,453.3691	1,453.3691	0.1435	1,456.9555

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3039	0.0000	1.3039	0.1974	0.0000	0.1974			0.0000			0.0000
Off-Road	0.6714	9.1825	24.6739	0.0388		0.3404	0.3404		0.3404	0.3404	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.6714	9.1825	24.6739	0.0388	1.3039	0.3404	1.6444	0.1974	0.3404	0.5379	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1196	4.3036	1.1307	0.0117	0.2691	0.0140	0.2831	0.0737	0.0134	0.0871		1,298.6259	1,298.6259	0.1399		1,302.1240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1848	4.3435	1.5845	0.0132	0.4368	0.0151	0.4519	0.1181	0.0144	0.1326		1,453.3691	1,453.3691	0.1435		1,456.9555

3.3 Construction of New Sheriff Office - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

3.4 Construction of FBO - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994		1,110.7574	1,110.7574	0.0968		1,113.1761
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184		1,083.2022	1,083.2022	0.0247		1,083.8201
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178		2,193.9596	2,193.9596	0.1215		2,196.9961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1401	4.3740	1.2658	0.0102	0.2684	0.0232	0.2916	0.0772	0.0222	0.0994	1,110.7574	1,110.7574	0.0968		1,113.1761	
Worker	0.4560	0.2794	3.1766	0.0109	1.1737	7.7600e-003	1.1814	0.3113	7.1500e-003	0.3184	1,083.2022	1,083.2022	0.0247		1,083.8201	
Total	0.5961	4.6534	4.4425	0.0211	1.4420	0.0310	1.4730	0.3885	0.0294	0.4178	2,193.9596	2,193.9596	0.1215		2,196.9961	

3.5 Construction of Apron - 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4752	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	2,207.7334	2,207.7334	0.7140			2,225.5841

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455	154.7432	154.7432	3.5300e-003			154.8314

Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3991	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

3.6 Construction of Park Spaces / Lighting - 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4900	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.1335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4139	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.2704	4,900.2704	0.2104		4,905.5296

Unmitigated	0.9643	4.2346	13.1951	0.0483	4.3558	0.0494	4.4052	1.1648	0.0464	1.2111		4,900.270	4,900.2704	0.2104		4,905.529
												4				6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	230.01	43.56	22.44	769,287	769,287
General Office Building	321.30	71.66	30.59	786,389	786,389
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	551.31	115.22	53.03	1,555,676	1,555,676

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
General Office Building	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Other Non-Asphalt Surfaces	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381
NaturalGas Unmitigated	0.0282	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9100e-003	5.6500e-003	309.9381

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1889.59	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	729.322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.88959	0.0204	0.1853	0.1556	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.3046	222.3046	4.2600e-003	4.0800e-003	223.6256
General Office Building	0.729322	7.8700e-003	0.0715	0.0601	4.3000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003		85.8026	85.8026	1.6400e-003	1.5700e-003	86.3125
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0283	0.2568	0.2157	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.1072	308.1072	5.9000e-003	5.6500e-003	309.9381

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Unmitigated	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4700e-003	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601
Total	1.4826	2.4000e-004	0.0264	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0564	0.0564	1.5000e-004		0.0601

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 3 ALT1 Mitigation - Orange County, Summer

**JWA Phase 3 ALT1 Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	95.70	1000sqft	2.20	95,697.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Detailed in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	95,700.00	95,697.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4538	36.2957	23.0170	0.0490	3.1766	1.6697	4.8463	0.5620	1.5524	2.1144	0.0000	4,860.0207	4,860.0207	1.1600	0.0000	4,889.0214
2021	7.8457	68.5222	71.4272	0.1429	4.1894	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6768
Maximum	7.8457	68.5222	71.4272	0.1429	4.1894	3.3045	7.0212	1.1044	3.0794	3.9046	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6768

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.6039	5.0979	24.5436	0.0490	1.7077	0.0727	1.7803	0.3396	0.0721	0.4118	0.0000	4,860.0207	4,860.0207	1.1600	0.0000	4,889.0214
2021	2.8623	25.3427	78.4821	0.1429	4.1008	0.6868	4.7876	1.1044	0.6840	1.7885	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6767
Maximum	2.8623	25.3427	78.4821	0.1429	4.1008	0.6868	4.7876	1.1044	0.6840	1.7885	0.0000	14,037.7776	14,037.7776	2.8760	0.0000	14,109.6767

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	69.32	70.96	-9.09	0.00	21.14	84.73	44.66	13.35	83.67	63.45	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3874	2.0794	6.9339	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5084	2,958.5084	0.1111	4.0200e-003	2,962.4859

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Total	1.3874	2.0794	6.9339	0.0281	2.4779	0.0330	2.5109	0.6626	0.0316	0.6943		2,958.5084	2,958.5084	0.1111	4.0200e-003	2,962.4859

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36

Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	545.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO-3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.4081	1.6587	4.0668	0.3646	1.5419	1.9065		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0840	3.0583	0.7728	8.5100e-003	0.6009	9.9000e-003	0.6108	0.1530	9.4700e-003	0.1624		948.8093	948.8093	0.0984		951.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1416	3.0947	1.2638	0.0102	0.7685	0.0110	0.7796	0.1974	0.0105	0.2079		1,112.3158	1,112.3158	0.1021		1,114.8678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0840	3.0583	0.7728	8.5100e-003	0.6009	9.9000e-003	0.6108	0.1530	9.4700e-003	0.1624		948.8093	948.8093	0.0984		951.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0576	0.0363	0.4910	1.6400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		163.5065	163.5065	3.7300e-003		163.5997
Total	0.1416	3.0947	1.2638	0.0102	0.7685	0.0110	0.7796	0.1974	0.0105	0.2079		1,112.3158	1,112.3158	0.1021		1,114.8678

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.4081	1.5513	3.9594	0.3646	1.4411	1.8057		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0801	2.8275	0.7768	8.3900e-003	0.2468	8.8800e-003	0.2556	0.0660	8.5000e-003	0.0745		937.1974	937.1974	0.0972		939.6266
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1342	2.8603	1.2324	9.9700e-003	0.4144	9.9700e-003	0.4244	0.1105	9.5000e-003	0.1200		1,095.0265	1,095.0265	0.1006		1,097.5402

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0801	2.8275	0.7768	8.3900e-003	0.2468	8.8800e-003	0.2556	0.0660	8.5000e-003	0.0745		937.1974	937.1974	0.0972		939.6266
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1342	2.8603	1.2324	9.9700e-003	0.4144	9.9700e-003	0.4244	0.1105	9.5000e-003	0.1200		1,095.0265	1,095.0265	0.1006		1,097.5402

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1041	3.6588	0.9923	9.6200e-003	0.2492	7.6000e-003	0.2568	0.0717	7.2700e-003	0.0790		1,048.2908	1,048.2908	0.0822		1,050.3458
Worker	0.3609	0.2184	3.0373	0.0106	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		1,052.1942	1,052.1942	0.0225		1,052.7575
Total	0.4650	3.8771	4.0296	0.0202	1.3669	0.0148	1.3818	0.3681	0.0139	0.3821		2,100.4849	2,100.4849	0.1047		2,103.1032

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4540	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6014	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	157.8291	157.8291	3.3800e-003	157.9136	
Total	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	157.8291	157.8291	3.3800e-003	157.9136	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468
Unmitigated	0.4572	1.8962	6.7558	0.0270	2.4779	0.0190	2.4969	0.6626	0.0177	0.6803		2,738.9770	2,738.9770	0.1068		2,741.6468

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139			219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
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6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Unmitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0524	0.0524	1.4000e-004	0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0524	0.0524	1.4000e-004	0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0524	0.0524	1.4000e-004	0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.0524	0.0524	1.4000e-004	0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 3 ALT1 Mitigation - Orange County, Winter

**JWA Phase 3 ALT1 Mitigation
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	7.38	1000sqft	0.17	7,378.00	0
General Light Industry	16.79	1000sqft	0.39	16,793.00	0
General Light Industry	12.56	1000sqft	0.29	12,561.00	0
Other Non-Asphalt Surfaces	95.70	1000sqft	2.20	95,697.00	0
Parking Lot	106.90	1000sqft	2.45	106,898.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Detailed in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	119.00
tblConstructionPhase	NumDays	230.00	79.00
tblConstructionPhase	NumDays	230.00	32.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	20.00	37.00
tblLandUse	LandUseSquareFeet	7,380.00	7,378.00
tblLandUse	LandUseSquareFeet	12,560.00	12,561.00
tblLandUse	LandUseSquareFeet	16,790.00	16,793.00
tblLandUse	LandUseSquareFeet	95,700.00	95,697.00
tblLandUse	LandUseSquareFeet	106,900.00	106,898.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4633	36.3378	23.0206	0.0487	3.1766	1.6699	4.8465	0.5620	1.5525	2.1146	0.0000	4,836.9339	4,836.9339	1.1622	0.0000	4,865.9881
2021	7.9658	68.5546	71.0802	0.1412	4.1894	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6685
Maximum	7.9658	68.5546	71.0802	0.1412	4.1894	3.3051	7.0220	1.1044	3.0800	3.9052	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6685

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.6135	5.1400	24.5473	0.0487	1.7077	0.0728	1.7805	0.3396	0.0723	0.4120	0.0000	4,836.9339	4,836.9339	1.1622	0.0000	4,865.9881
2021	2.9824	25.3816	78.1352	0.1412	4.1008	0.6876	4.7884	1.1044	0.6849	1.7893	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6684
Maximum	2.9824	25.3816	78.1352	0.1412	4.1008	0.6876	4.7884	1.1044	0.6849	1.7893	0.0000	13,856.6378	13,856.6378	2.8812	0.0000	13,928.6684

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	68.54	70.90	-9.12	0.00	21.14	84.71	44.65	13.35	83.66	63.43	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Total	1.3794	2.1395	6.5814	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2596	2,838.2596	0.1104	4.0200e-003	2,842.2188

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Energy	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
Mobile	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Total	1.3794	2.1395	6.5814	0.0269	2.4779	0.0330	2.5110	0.6626	0.0317	0.6943		2,838.2596	2,838.2596	0.1104	4.0200e-003	2,842.2188

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 3-3A	Demolition	12/15/2020	2/19/2021	5	49	
2	Construction of FBO- 3-3A	Building Construction	2/19/2021	8/4/2021	5	119	
3	Construct Office - 3-3A	Building Construction	3/19/2021	7/7/2021	5	79	
4	Construction of Two Aircraft Service Areas - 3-3A	Building Construction	3/19/2021	5/3/2021	5	32	
5	Construction of Apron - 3-3A	Paving	6/1/2021	7/21/2021	5	37	
6	Construction of Park Spaces/Lighting	Paving	6/10/2021	7/7/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 3-3A	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 3-3A	Excavators	3	8.00	158	0.38
Demolition - 3-3A	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO- 3-3A	Cranes	1	7.00	231	0.29
Construction of FBO- 3-3A	Forklifts	3	8.00	89	0.20
Construction of FBO- 3-3A	Generator Sets	1	8.00	84	0.74
Construction of FBO- 3-3A	Rubber Tired Dozers	0		247	0.40
Construction of FBO- 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO- 3-3A	Welders	1	8.00	46	0.45
Construct Office - 3-3A	Cranes	1	7.00	231	0.29
Construct Office - 3-3A	Excavators	0		158	0.38
Construct Office - 3-3A	Forklifts	3	8.00	89	0.20
Construct Office - 3-3A	Generator Sets	1	8.00	84	0.74
Construct Office - 3-3A	Graders	0		187	0.41
Construct Office - 3-3A	Rubber Tired Dozers	0		247	0.40
Construct Office - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construct Office - 3-3A	Welders	1	8.00	46	0.45
Construction of Two Aircraft Service Areas - 3-3A	Cranes	1	7.00	231	0.29
Construction of Two Aircraft Service Areas - 3-3A	Forklifts	3	8.00	89	0.20
Construction of Two Aircraft Service Areas - 3-3A	Generator Sets	1	8.00	84	0.74
Construction of Two Aircraft Service Areas - 3-3A	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Two Aircraft Service Areas - 3-3A	Welders	1	8.00	46	0.45
Construction of Apron - 3-3A	Pavers	2	8.00	130	0.42
Construction of Apron - 3-3A	Paving Equipment	2	8.00	132	0.36
Construction of Apron - 3-3A	Rollers	2	8.00	80	0.38
Construction of Park Spaces/Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces/Lighting	Pavers	2	8.00	130	0.42
Construction of Park Spaces/Lighting	Paving Equipment	2	8.00	132	0.36

Construction of Park Spaces/Lighting	Rollers	2	8.00	80	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 3-3A	6	15.00	0.00	545.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO-3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construct Office - 3-3A	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Two Aircraft Service Areas	9	100.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron 3-3A	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces/Lighting	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 3-3A - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.4081	1.6587	4.0668	0.3646	1.5419	1.9065		3,747.7049	3,747.7049	1.0580		3,774.1536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0861	3.0968	0.8136	8.3800e-003	0.6009	0.0101	0.6110	0.1530	9.6500e-003	0.1626		934.4858	934.4858	0.1007		937.0031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1512	3.1367	1.2674	9.9300e-003	0.7685	0.0112	0.7797	0.1974	0.0107	0.2081		1,089.2290	1,089.2290	0.1042		1,091.8345

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0861	3.0968	0.8136	8.3800e-003	0.6009	0.0101	0.6110	0.1530	9.6500e-003	0.1626		934.4858	934.4858	0.1007		937.0031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0399	0.4538	1.5500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		154.7432	154.7432	3.5300e-003		154.8314
Total	0.1512	3.1367	1.2674	9.9300e-003	0.7685	0.0112	0.7797	0.1974	0.0107	0.2081		1,089.2290	1,089.2290	0.1042		1,091.8345

3.2 Demolition - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4081	0.0000	2.4081	0.3646	0.0000	0.3646			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	2.4081	1.5513	3.9594	0.3646	1.4411	1.8057		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0821	2.8609	0.8154	8.2600e-003	0.2468	9.0400e-003	0.2558	0.0660	8.6500e-003	0.0747		922.9968	922.9968	0.0993		925.4803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1434	2.8969	1.2358	9.7600e-003	0.4144	0.0101	0.4245	0.1105	9.6500e-003	0.1202		1,072.3716	1,072.3716	0.1025		1,074.9351

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.9392	0.0000	0.9392	0.1422	0.0000	0.1422			0.0000				0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549			3,774.3174
Total	0.4623	2.0032	23.2798	0.0388	0.9392	0.0616	1.0008	0.1422	0.0616	0.2038	0.0000	3,747.9449	3,747.9449	1.0549			3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0821	2.8609	0.8154	8.2600e-003	0.2468	9.0400e-003	0.2558	0.0660	8.6500e-003	0.0747		922.9968	922.9968	0.0993			925.4803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003			149.4548
Total	0.1434	2.8969	1.2358	9.7600e-003	0.4144	0.0101	0.4245	0.1105	9.6500e-003	0.1202		1,072.3716	1,072.3716	0.1025			1,074.9351

3.3 Construction of FBO- 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.4 Construct Office - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862			1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213			996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075			2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.5 Construction of Two Aircraft Service Areas - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.3843	4.5704	17.4603	0.0269		0.2141	0.2141		0.2141	0.2141	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1092	3.6501	1.0886	9.3900e-003	0.2492	7.8900e-003	0.2571	0.0717	7.5400e-003	0.0793		1,022.5371	1,022.5371	0.0862		1,024.6926
Worker	0.4087	0.2400	2.8027	9.9800e-003	1.1178	7.2400e-003	1.1250	0.2964	6.6600e-003	0.3031		995.8322	995.8322	0.0213		996.3653
Total	0.5179	3.8901	3.8913	0.0194	1.3669	0.0151	1.3821	0.3681	0.0142	0.3824		2,018.3693	2,018.3693	0.1075		2,021.0579

3.6 Construction of Apron - 3-3A - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4290	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Paving	0.1735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4540	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

3.7 Construction of Park Spaces/Lighting - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5765	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6014	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798
Unmitigated	0.4492	1.9564	6.4033	0.0258	2.4779	0.0190	2.4970	0.6626	0.0177	0.6803		2,618.7282	2,618.7282	0.1061		2,621.3798

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	117.03	22.16	11.42	391,404	391,404
General Light Industry	87.54	16.58	8.54	292,795	292,795
General Office Building	81.40	18.15	7.75	199,229	199,229
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	285.97	56.90	27.71	883,428	883,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
General Office Building	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
NaturalGas Unmitigated	0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	719.246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	961.572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	184.753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139			219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
General Light Industry	0.719246	7.7600e-003	0.0705	0.0592	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003			84.6172	84.6172	1.6200e-003	1.5500e-003	85.1201
General Light Industry	0.961572	0.0104	0.0943	0.0792	5.7000e-004		7.1600e-003	7.1600e-003		7.1600e-003	7.1600e-003			113.1261	113.1261	2.1700e-003	2.0700e-003	113.7983
General Office Building	0.184753	1.9900e-003	0.0181	0.0152	1.1000e-004		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003			21.7357	21.7357	4.2000e-004	4.0000e-004	21.8648
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0201	0.1829	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.4790	219.4790	4.2100e-003	4.0200e-003	220.7832
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6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Unmitigated	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2800e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558
Total	0.9101	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0524	0.0524	1.4000e-004		0.0558

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 ALT1 Mitigated - Orange County, Summer

**JWA Phase 4 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	PhaseEndDate	7/4/2022	3/9/2022
tblConstructionPhase	PhaseEndDate	9/27/2021	11/10/2021
tblConstructionPhase	PhaseEndDate	7/18/2022	3/23/2022
tblConstructionPhase	PhaseEndDate	8/1/2022	3/25/2022
tblConstructionPhase	PhaseEndDate	8/15/2022	7/13/2022
tblConstructionPhase	PhaseStartDate	9/28/2021	11/10/2021
tblConstructionPhase	PhaseStartDate	7/5/2022	2/2/2022
tblConstructionPhase	PhaseStartDate	7/19/2022	2/10/2022
tblConstructionPhase	PhaseStartDate	8/2/2022	5/27/2022
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2021	4.0693	36.5032	29.7172	0.0600	2.2481	1.7370	3.9851	0.4296	1.6434	2.0730	0.0000	5,795.9317	5,795.9317	1.0519	0.0000	5,822.2294
2022	3.3943	27.4158	32.4399	0.0588	0.7825	1.2905	2.0730	0.2095	1.2162	1.4257	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	4.0693	36.5032	32.4399	0.0600	2.2481	1.7370	3.9851	0.4296	1.6434	2.0730	0.0000	5,795.9317	5,795.9317	1.2124	0.0000	5,822.2294

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8379	8.1006	30.1678	0.0600	1.3385	0.0796	1.4181	0.2919	0.0789	0.3708	0.0000	5,795.9317	5,795.9317	1.0519	0.0000	5,822.2294
2022	0.9828	6.4618	34.9280	0.0588	0.7825	0.0797	0.8621	0.2095	0.0792	0.2888	0.0000	5,597.0990	5,597.0990	1.2124	0.0000	5,627.4099
Maximum	0.9828	8.1006	34.9280	0.0600	1.3385	0.0797	1.4181	0.2919	0.0792	0.3708	0.0000	5,795.9317	5,795.9317	1.2124	0.0000	5,822.2294

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.61	77.22	-4.73	0.00	30.01	94.74	62.36	21.55	94.47	81.15	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,769.7778	1,769.7778	0.0669		1,771.4511
Total	0.8821	1.1247	4.3443	0.0183	1.6625	0.0223	1.6847	0.4446	0.0214	0.4660		1,940.8294	1,940.8294	0.0703	3.1400e-003	1,943.5203

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/10/2021	5	52	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 1 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 1 - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Park Spaces / Lighting Phase 1 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 1 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 1 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 1 - 4	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting Phase 1 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Construction of Park Spaces / Lighting	Cement and Mortar Mixers	1	6.00	9	0.56
Phase 2 - 4					
Construction of Park Spaces / Lighting	Pavers	1	6.00	130	0.42
Phase 2 - 4					
Construction of Park Spaces / Lighting	Paving Equipment	1	8.00	132	0.36
Phase 2 - 4					
Construction of Park Spaces / Lighting	Rollers	1	7.00	80	0.38
Phase 2 - 4					
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 - 4					

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 4	5	13.00	0.00	358.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - A	7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron A	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4911	0.0000	1.4911	0.2258	0.0000	0.2258			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.4911	1.0409	2.5320	0.2258	0.9715	1.1972		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0496	1.7502	0.4808	5.1900e-003	0.1199	5.5000e-003	0.1254	0.0328	5.2600e-003	0.0381		580.1100	580.1100	0.0601		581.6136
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	0.0965	1.7786	0.8757	6.5600e-003	0.2652	6.4400e-003	0.2716	0.0714	6.1300e-003	0.0775		716.8952	716.8952	0.0631		718.4721

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5815	0.0000	0.5815	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.2811	1.2179	14.7184	0.0241	0.5815	0.0375	0.6190	0.0881	0.0375	0.1255	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0496	1.7502	0.4808	5.1900e-003	0.1199	5.5000e-003	0.1254	0.0328	5.2600e-003	0.0381		580.1100	580.1100	0.0601		581.6136
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0284	0.3949	1.3700e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		136.7852	136.7852	2.9300e-003		136.8585
Total	0.0965	1.7786	0.8757	6.5600e-003	0.2652	6.4400e-003	0.2716	0.0714	6.1300e-003	0.0775		716.8952	716.8952	0.0631		718.4721

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927
Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573			2,010.1517
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573			2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.1299	0.0786	1.0934	3.8000e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		378.7899	378.7899	8.1100e-003		378.9927
Total	0.1673	1.3920	1.4496	7.2500e-003	0.4919	5.3300e-003	0.4972	0.1325	5.0100e-003	0.1375		755.0994	755.0994	0.0376		756.0399

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486			2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486			2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280		372.6137	372.6137	0.0286			373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		364.7524	364.7524	7.3700e-003			364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371		737.3661	737.3661	0.0360			738.2649

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0351	1.2426	0.3439	3.4100e-003	0.0894	2.3700e-003	0.0918	0.0257	2.2700e-003	0.0280		372.6137	372.6137	0.0286		373.3283
Worker	0.1228	0.0712	1.0205	3.6600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		364.7524	364.7524	7.3700e-003		364.9366
Total	0.1579	1.3138	1.3645	7.0700e-003	0.4918	4.9200e-003	0.4968	0.1325	4.6200e-003	0.1371		737.3661	737.3661	0.0360		738.2649

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2180	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2253	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2214	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Mitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,769.7778	1,769.7778	0.0669	1,771.4511
Unmitigated	0.2728	0.9821	4.2159	0.0174	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,769.7778	1,769.7778	0.0669	1,771.4511	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day				
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 4 ALT1 Mitigated - Orange County, Winter

**JWA Phase 4 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	25.39	1000sqft	0.58	25,389.00	0
Other Non-Asphalt Surfaces	24.47	1000sqft	0.56	24,471.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0
Parking Lot	17.54	1000sqft	0.40	17,541.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - * Defined in project schedule and ROM estimate
- Construction Phase - * Defined in project schedule and ROM estimate
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	10.00	36.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	PhaseEndDate	7/4/2022	3/9/2022
tblConstructionPhase	PhaseEndDate	9/27/2021	11/10/2021
tblConstructionPhase	PhaseEndDate	7/18/2022	3/23/2022
tblConstructionPhase	PhaseEndDate	8/1/2022	3/25/2022
tblConstructionPhase	PhaseEndDate	8/15/2022	7/13/2022
tblConstructionPhase	PhaseStartDate	9/28/2021	11/10/2021
tblConstructionPhase	PhaseStartDate	7/5/2022	2/2/2022
tblConstructionPhase	PhaseStartDate	7/19/2022	2/10/2022
tblConstructionPhase	PhaseStartDate	8/2/2022	5/27/2022
tblLandUse	LandUseSquareFeet	25,390.00	25,389.00
tblLandUse	LandUseSquareFeet	24,470.00	24,471.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00
tblLandUse	LandUseSquareFeet	17,540.00	17,541.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2021	4.0957	36.5314	29.6608	0.0595	2.2481	1.7372	3.9853	0.4296	1.6436	2.0732	0.0000	5,750.2795	5,750.2795	1.0541	0.0000	5,776.6321
2022	3.4247	27.4242	32.3345	0.0584	0.7825	1.2906	2.0731	0.2095	1.2163	1.4258	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	4.0957	36.5314	32.3345	0.0595	2.2481	1.7372	3.9853	0.4296	1.6436	2.0732	0.0000	5,750.2795	5,750.2795	1.2131	0.0000	5,776.6321

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8643	8.1287	30.1114	0.0595	1.3385	0.0798	1.4183	0.2919	0.0791	0.3710	0.0000	5,750.2795	5,750.2795	1.0541	0.0000	5,776.6321
2022	1.0132	6.4701	34.8226	0.0584	0.7825	0.0798	0.8622	0.2095	0.0793	0.2889	0.0000	5,554.2924	5,554.2924	1.2131	0.0000	5,584.6196
Maximum	1.0132	8.1287	34.8226	0.0595	1.3385	0.0798	1.4183	0.2919	0.0793	0.3710	0.0000	5,750.2795	5,750.2795	1.2131	0.0000	5,776.6321

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	75.04	77.17	-4.74	0.00	30.01	94.73	62.36	21.55	94.46	81.14	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.7802	1,863.7802	0.0697	3.1400e-003	1,866.4574

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Energy	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Mobile	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552		1,692.7286	1,692.7286	0.0664		1,694.3882
Total	0.8770	1.1584	4.1100	0.0175	1.6625	0.0223	1.6848	0.4446	0.0215	0.4660		1,863.7802	1,863.7802	0.0697	3.1400e-003	1,866.4574

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 4	Demolition	8/31/2021	11/10/2021	5	52	
2	Construction of FBO - 4	Building Construction	11/10/2021	3/9/2022	5	86	
3	Construction of Apron - 4	Paving	2/2/2022	3/23/2022	5	36	
4	Construction of Park Spaces / Lighting Phase 1 - 4	Paving	2/10/2022	3/25/2022	5	32	
5	Construction of Park Spaces / Lighting Phase 2 - 4	Paving	5/27/2022	7/13/2022	5	34	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 4	Air Compressors	0		78	0.48
Demolition - 4	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 4	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 4	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO - 4	Cranes	1	6.00	231	0.29
Construction of FBO - 4	Forklifts	1	6.00	89	0.20
Construction of FBO - 4	Generator Sets	1	8.00	84	0.74
Construction of FBO - 4	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO - 4	Welders	3	8.00	46	0.45
Construction of Apron - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Apron - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Apron - 4	Pavers	1	6.00	130	0.42
Construction of Apron - 4	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 4	Rollers	1	7.00	80	0.38
Construction of Apron - 4	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Construction of Park Spaces / Lighting Phase 1 - 4	Cement and Mortar Mixers	1	6.00	9	0.56
Construction of Park Spaces / Lighting Phase 1 - 4	Concrete/Industrial Saws	0		81	0.73
Construction of Park Spaces / Lighting Phase 1 - 4	Pavers	1	6.00	130	0.42
Construction of Park Spaces / Lighting Phase 1 - 4	Paving Equipment	1	8.00	132	0.36
Construction of Park Spaces / Lighting Phase 1 - 4	Rollers	1	7.00	80	0.38
Construction of Park Spaces / Lighting Phase 1 - 4	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting Phase 1 - 4	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Construction of Park Spaces / Lighting	Cement and Mortar Mixers	1	6.00	9	0.56
Phase 2 - 4					
Construction of Park Spaces / Lighting	Pavers	1	6.00	130	0.42
Phase 2 - 4					
Construction of Park Spaces / Lighting	Paving Equipment	1	8.00	132	0.36
Phase 2 - 4					
Construction of Park Spaces / Lighting	Rollers	1	7.00	80	0.38
Phase 2 - 4					
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 - 4					

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 4	5	13.00	0.00	358.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO - A	7	36.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron A	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4911	0.0000	1.4911	0.2258	0.0000	0.2258			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	1.4911	1.0409	2.5320	0.2258	0.9715	1.1972		2,322.7171	2,322.7171	0.5940		2,337.5658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0508	1.7708	0.5047	5.1100e-003	0.1199	5.6000e-003	0.1255	0.0328	5.3600e-003	0.0382		571.3200	571.3200	0.0615		572.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	0.1039	1.8020	0.8691	6.4100e-003	0.2652	6.5400e-003	0.2717	0.0714	6.2300e-003	0.0776		700.7782	700.7782	0.0643		702.3848

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5815	0.0000	0.5815	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.2811	1.2179	14.7184	0.0241	0.5815	0.0375	0.6190	0.0881	0.0375	0.1255	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0508	1.7708	0.5047	5.1100e-003	0.1199	5.6000e-003	0.1255	0.0328	5.3600e-003	0.0382		571.3200	571.3200	0.0615		572.8573
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0312	0.3644	1.3000e-003	0.1453	9.4000e-004	0.1463	0.0385	8.7000e-004	0.0394		129.4582	129.4582	2.7700e-003		129.5275
Total	0.1039	1.8020	0.8691	6.4100e-003	0.2652	6.5400e-003	0.2717	0.0714	6.2300e-003	0.0776		700.7782	700.7782	0.0643		702.3848

3.3 Construction of FBO - 4 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.1471	0.0864	1.0090	3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003		358.6915
Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386		726.5299

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.1471	0.0864	1.0090	3.5900e-003	0.4024	2.6000e-003	0.4050	0.1067	2.4000e-003	0.1091		358.4996	358.4996	7.6800e-003		358.6915
Total	0.1863	1.3967	1.3998	6.9600e-003	0.4919	5.4300e-003	0.4973	0.1325	5.1100e-003	0.1376		725.5642	725.5642	0.0386		726.5299

3.3 Construction of FBO - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0369	1.2388	0.3768	3.3300e-003	0.0894	2.4600e-003	0.0919	0.0257	2.3600e-003	0.0281		363.4250	363.4250	0.0299		364.1731
Worker	0.1394	0.0783	0.9403	3.4600e-003	0.4024	2.5500e-003	0.4050	0.1067	2.3500e-003	0.1091		345.2324	345.2324	6.9700e-003		345.4065
Total	0.1763	1.3171	1.3170	6.7900e-003	0.4918	5.0100e-003	0.4969	0.1325	4.7100e-003	0.1372		708.6574	708.6574	0.0369		709.5796

3.4 Construction of Apron - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.7459	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2180	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.5 Construction of Park Spaces / Lighting Phase 1 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7532	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2253	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.6 Construction of Park Spaces / Lighting Phase 2 - 4 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7493	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0617					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2214	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,692.7286	1,692.7286	0.0664	1,694.3882
Mitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,692.7286	1,692.7286	0.0664	1,694.3882
Unmitigated	0.2677	1.0158	3.9816	0.0166	1.6625	0.0114	1.6739	0.4446	0.0106	0.4552	1,692.7286	1,692.7286	0.0664	1,694.3882

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	176.97	33.51	17.27	591,885	591,885
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	176.97	33.51	17.27	591,885	591,885

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Parking Lot	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
NaturalGas Unmitigated	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1453.78	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.45378	0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0157	0.1425	0.1197	8.6000e-004		0.0108	0.0108		0.0108	0.0108		171.0331	171.0331	3.2800e-003	3.1400e-003	172.0494

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Unmitigated	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day				
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005	0.0198

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5238					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198
Total	0.5936	8.0000e-005	8.6700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0186	0.0186	5.0000e-005		0.0198

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 ALT1 Mitigated - Orange County, Summer

**JWA Phase 5 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	71.20	1000sqft	1.63	71,200.00	0
Other Non-Asphalt Surfaces	91.22	1000sqft	2.09	91,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	91,220.00	91,215.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	88.29	48.61
tblTripsAndVMT	HaulingTripNumber	739.00	0.00
tblTripsAndVMT	VendorTripNumber	27.00	17.00
tblTripsAndVMT	WorkerTripNumber	68.00	43.00
tblWater	IndoorWaterUseRate	16,465,000.00	9,065,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7781	32.8454	30.3189	0.0590	5.7306	1.5469	7.2775	0.9537	1.4624	2.4161	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484
Maximum	3.7781	32.8454	30.3189	0.0590	5.7306	1.5469	7.2775	0.9537	1.4624	2.4161	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8443	6.7080	31.6590	0.0590	2.6830	0.0795	2.7625	0.4923	0.0791	0.5714	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484
Maximum	0.8443	6.7080	31.6590	0.0590	2.6830	0.0795	2.7625	0.4923	0.0791	0.5714	0.0000	5,632.5502	5,632.5502	1.0799	0.0000	5,659.5484

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	77.65	79.58	-4.42	0.00	53.18	94.86	62.04	48.38	94.59	76.35	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Total	2.3570	3.1540	12.1748	0.0512	4.6620	0.0624	4.7244	1.2467	0.0601	1.3068		5,442.5803	5,442.5803	0.1970	8.7900e-003	5,450.1254

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Total	2.3570	3.1540	12.1748	0.0512	4.6620	0.0624	4.7244	1.2467	0.0601	1.3068		5,442.5803	5,442.5803	0.1970	8.7900e-003	5,450.1254

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9960	0.0000	4.9960	0.7564	0.0000	0.7564			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	4.9960	0.8379	5.8339	0.7564	0.7829	1.5393		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9485	0.0000	1.9485	0.2950	0.0000	0.2950			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.9485	0.0375	1.9859	0.2950	0.0375	0.3325	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0427	1.5088	0.4176	4.1400e-003	0.1086	2.8800e-003	0.1115	0.0313	2.7600e-003	0.0340		452.4594	452.4594	0.0347		453.3272
Worker	0.1467	0.0851	1.2190	4.3700e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		435.6765	435.6765	8.8000e-003		435.8965
Total	0.1893	1.5939	1.6366	8.5100e-003	0.5893	5.9300e-003	0.5952	0.1587	5.5700e-003	0.1643		888.1360	888.1360	0.0435		889.2237

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003	152.0569
Total	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003	152.0569

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982
Unmitigated	0.7649	2.7541	11.8225	0.0488	4.6620	0.0320	4.6940	1.2467	0.0297	1.2764		4,962.9058	4,962.9058	0.1877		4,967.5982

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	496.26	93.98	48.42	1,659,794	1,659,794
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	496.26	93.98	48.42	1,659,794	1,659,794

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
NaturalGas Unmitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4076.93	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day									lb/day						
General Light Industry	4.07693	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Unmitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
	Architectural Coating	0.1044					0.0000	0.0000			0.0000	0.0000			0.0000	0.0000
Consumer Products	1.4421					0.0000	0.0000			0.0000	0.0000			0.0000	0.0000	
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005	0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005	0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 5 ALT1 Mitigated - Orange County, Winter

**JWA Phase 5 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	71.20	1000sqft	1.63	71,200.00	0
Other Non-Asphalt Surfaces	91.22	1000sqft	2.09	91,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Road Dust -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	91,220.00	91,215.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	88.29	48.61
tblTripsAndVMT	HaulingTripNumber	739.00	0.00
tblTripsAndVMT	VendorTripNumber	27.00	17.00
tblTripsAndVMT	WorkerTripNumber	68.00	43.00
tblWater	IndoorWaterUseRate	16,465,000.00	9,065,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8061	32.8517	30.2339	0.0586	5.7306	1.5471	7.2776	0.9537	1.4625	2.4162	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513
Maximum	3.8061	32.8517	30.2339	0.0586	5.7306	1.5471	7.2776	0.9537	1.4625	2.4162	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8722	6.7144	31.5741	0.0586	2.6830	0.0796	2.7626	0.4923	0.0792	0.5715	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513
Maximum	0.8722	6.7144	31.5741	0.0586	2.6830	0.0796	2.7626	0.4923	0.0792	0.5715	0.0000	5,591.0280	5,591.0280	1.0809	0.0000	5,618.0513

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	77.08	79.56	-4.43	0.00	53.18	94.85	62.04	48.38	94.59	76.35	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Total	2.3427	3.2484	11.5176	0.0491	4.6620	0.0625	4.7245	1.2467	0.0602	1.3069		5,226.5147	5,226.5147	0.1954	8.7900e-003	5,234.0213

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Energy	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Mobile	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Total	2.3427	3.2484	11.5176	0.0491	4.6620	0.0625	4.7245	1.2467	0.0602	1.3069		5,226.5147	5,226.5147	0.1954	8.7900e-003	5,234.0213

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 5	Demolition	3/9/2022	4/21/2022	5	32	
2	Construction of FBO 4 - 5	Building Construction	4/21/2022	6/24/2022	5	47	
3	Construction of Apron - 5	Paving	5/19/2022	7/11/2022	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 5	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of FBO 4 - 5	Cranes	1	8.00	231	0.29
Construction of FBO 4 - 5	Forklifts	2	7.00	89	0.20
Construction of FBO 4 - 5	Generator Sets	1	8.00	84	0.74
Construction of FBO 4 - 5	Graders	0		187	0.41
Construction of FBO 4 - 5	Scrapers	0		367	0.48
Construction of FBO 4 - 5	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of FBO 4 - 5	Welders	3	8.00	46	0.45
Construction of Apron - 5	Cement and Mortar Mixers	1	8.00	9	0.56
Construction of Apron - 5	Graders	0		187	0.41
Construction of Apron - 5	Pavers	1	8.00	130	0.42
Construction of Apron - 5	Paving Equipment	1	8.00	132	0.36
Construction of Apron - 5	Rollers	2	8.00	80	0.38
Construction of Apron - 5	Rubber Tired Dozers	0		247	0.40
Construction of Apron - 5	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 5	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO 4 - 5	8	43.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Apron	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9960	0.0000	4.9960	0.7564	0.0000	0.7564			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	4.9960	0.8379	5.8339	0.7564	0.7829	1.5393		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9485	0.0000	1.9485	0.2950	0.0000	0.2950			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.9485	0.0375	1.9859	0.2950	0.0375	0.3325	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.3 Construction of FBO 4 - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0448	1.5042	0.4575	4.0500e-003	0.1086	2.9900e-003	0.1116	0.0313	2.8600e-003	0.0341		441.3018	441.3018	0.0363		442.2102
Worker	0.1665	0.0935	1.1231	4.1300e-003	0.4806	3.0500e-003	0.4837	0.1275	2.8100e-003	0.1303		412.3609	412.3609	8.3200e-003		412.5689
Total	0.2113	1.5977	1.5806	8.1800e-003	0.5893	6.0400e-003	0.5953	0.1587	5.6700e-003	0.1644		853.6627	853.6627	0.0447		854.7791

3.4 Construction of Apron - 5 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003	143.9194
Total	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003	143.9194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942
Unmitigated	0.7507	2.8485	11.1653	0.0467	4.6620	0.0321	4.6941	1.2467	0.0298	1.2765		4,746.8402	4,746.8402	0.1862		4,751.4942

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	496.26	93.98	48.42	1,659,794	1,659,794
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	496.26	93.98	48.42	1,659,794	1,659,794

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
NaturalGas Unmitigated	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Land Use	kBTU/yr	lb/day									lb/day						
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Light Industry	4076.93	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

Mitigated

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		lb/day									lb/day						
General Light Industry	4.07693	0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0440	0.3997	0.3358	2.4000e-003		0.0304	0.0304		0.0304	0.0304		479.6390	479.6390	9.1900e-003	8.7900e-003	482.4893

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Unmitigated	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4421					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005		0.0379

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
	Architectural Coating	0.1044					0.0000	0.0000			0.0000	0.0000			0.0000	0.0000
Consumer Products	1.4421					0.0000	0.0000			0.0000	0.0000			0.0000	0.0000	
Landscaping	1.5400e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005	0.0379
Total	1.5480	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005			6.0000e-005	6.0000e-005		0.0356	0.0356	9.0000e-005	0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 ALT1 Mitigated - Orange County, Summer

**JWA Phase 6 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	152.00	1000sqft	3.49	152,001.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Architectural Coating - *low VOC

tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	18.00	7.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	18.00	47.00
tblLandUse	LandUseSquareFeet	152,000.00	152,001.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.5252	43.3244	28.0526	0.0960	16.4781	1.3741	17.8522	2.6777	1.2844	3.9622	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430
Maximum	5.5252	43.3244	28.0526	0.0960	16.4781	1.3741	17.8522	2.6777	1.2844	3.9622	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.5756	18.3285	30.7572	0.0960	7.3512	0.1153	7.4665	1.2958	0.1131	1.4089	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430
Maximum	3.5756	18.3285	30.7572	0.0960	7.3512	0.1153	7.4665	1.2958	0.1131	1.4089	0.0000	10,057.7275	10,057.7275	1.6726	0.0000	10,099.5430

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	35.28	57.69	-9.64	0.00	55.39	91.61	58.18	51.61	91.20	64.44	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/14/2022	7/27/2022	5	10	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,120

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Excavators	3	8.00	158	0.38
Demolition - 6	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	0		97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Road Relocation - 6	Cement and Mortar Mixers	2	6.00	9	0.56
Road Relocation - 6	Pavers	1	8.00	130	0.42
Road Relocation - 6	Paving Equipment	2	6.00	132	0.36
Road Relocation - 6	Rollers	2	6.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	6	15.00	0.00	691.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					14.9622	0.0000	14.9622	2.2654	0.0000	2.2654			0.0000			0.0000

Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	14.9622	1.2427	16.2048	2.2654	1.1553	3.4207		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4724	16.1411	4.8512	0.0513	1.2030	0.0477	1.2507	0.3293	0.0456	0.3750		5,745.8019	5,745.8019	0.5961		5,760.7052
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.5236	16.1708	5.2764	0.0528	1.3707	0.0488	1.4194	0.3738	0.0466	0.4204		5,897.7821	5,897.7821	0.5992		5,912.7622

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8353	0.0000	5.8353	0.8835	0.0000	0.8835			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	0.4623	2.0032	23.2798	0.0388	5.8353	0.0616	5.8969	0.8835	0.0616	0.9452	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4724	16.1411	4.8512	0.0513	1.2030	0.0477	1.2507	0.3293	0.0456	0.3750		5,745.8019	5,745.8019	0.5961		5,760.7052
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0297	0.4252	1.5200e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		151.9802	151.9802	3.0700e-003		152.0569
Total	0.5236	16.1708	5.2764	0.0528	1.3707	0.0488	1.4194	0.3738	0.0466	0.4204		5,897.7821	5,897.7821	0.5992		5,912.7622

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	2.3181	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	2.1433	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4140	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003		202.7426

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	3.2239	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	3.0491	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Other Asphalt Surfaces	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Unmitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 6 ALT1 Mitigated - Orange County, Winter

JWA Phase 6 ALT1 Mitigated
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	152.00	1000sqft	3.49	152,001.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment -

Demolition -

Architectural Coating - *low VOC

tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	18.00	7.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	18.00	47.00
tblLandUse	LandUseSquareFeet	152,000.00	152,001.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.5497	43.5050	28.2185	0.0950	16.4781	1.3750	17.8531	2.6777	1.2853	3.9630	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447
Maximum	5.5497	43.5050	28.2185	0.0950	16.4781	1.3750	17.8531	2.6777	1.2853	3.9630	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.5909	18.5091	30.9231	0.0950	7.3512	0.1162	7.4674	1.2958	0.1139	1.4098	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447
Maximum	3.5909	18.5091	30.9231	0.0950	7.3512	0.1162	7.4674	1.2958	0.1139	1.4098	0.0000	9,954.9240	9,954.9240	1.6848	0.0000	9,997.0447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	35.30	57.46	-9.58	0.00	55.39	91.55	58.17	51.61	91.14	64.43	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0611	1.4000e-004	0.0155	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005	0.0000	0.0355
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 6	Demolition	7/14/2022	7/27/2022	5	10	
2	Demo Markings - 6	Architectural Coating	7/14/2022	7/27/2022	5	10	
3	Road Relocation - 6	Paving	8/2/2022	10/5/2022	5	47	
4	New Markings - 6	Architectural Coating	10/5/2022	10/13/2022	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,120

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 6	Excavators	3	8.00	158	0.38
Demolition - 6	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 6	Tractors/Loaders/Backhoes	0		97	0.37
Demo Markings - 6	Air Compressors	1	6.00	78	0.48
Demo Markings - 6	Concrete/Industrial Saws	0		81	0.73
Demo Markings - 6	Rubber Tired Dozers	0		247	0.40
Demo Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Road Relocation - 6	Cement and Mortar Mixers	2	6.00	9	0.56
Road Relocation - 6	Pavers	1	8.00	130	0.42
Road Relocation - 6	Paving Equipment	2	6.00	132	0.36
Road Relocation - 6	Rollers	2	6.00	80	0.38
Road Relocation - 6	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Markings - 6	Air Compressors	1	6.00	78	0.48
New Markings - 6	Graders	0		187	0.41
New Markings - 6	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 6	6	15.00	0.00	691.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Road Relocation - 6	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Markings - 6	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 6 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					14.9622	0.0000	14.9622	2.2654	0.0000	2.2654			0.0000			0.0000

Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	14.9622	1.2427	16.2048	2.2654	1.1553	3.4207		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4840	16.3163	5.0795	0.0505	1.2030	0.0486	1.2516	0.3293	0.0465	0.3758		5,658.1807	5,658.1807	0.6087		5,673.3970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.5421	16.3489	5.4713	0.0520	1.3707	0.0497	1.4203	0.3738	0.0475	0.4213		5,802.0275	5,802.0275	0.6116		5,817.3163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8353	0.0000	5.8353	0.8835	0.0000	0.8835			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	0.4623	2.0032	23.2798	0.0388	5.8353	0.0616	5.8969	0.8835	0.0616	0.9452	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4840	16.3163	5.0795	0.0505	1.2030	0.0486	1.2516	0.3293	0.0465	0.3758		5,658.1807	5,658.1807	0.6087		5,673.3970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0581	0.0326	0.3918	1.4400e-003	0.1677	1.0600e-003	0.1687	0.0445	9.8000e-004	0.0455		143.8468	143.8468	2.9000e-003		143.9194
Total	0.5421	16.3489	5.4713	0.0520	1.3707	0.0497	1.4203	0.3738	0.0475	0.4213		5,802.0275	5,802.0275	0.6116		5,817.3163

3.3 Demo Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	2.3181	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.1136					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	2.1433	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

3.4 Road Relocation - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1711	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4140	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003		191.8925

3.5 New Markings - 6 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	3.2239	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.0194					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	3.0491	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Other Asphalt Surfaces	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Unmitigated	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.7900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	1.4400e-003	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355
Total	0.0611	1.4000e-004	0.0155	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0333	0.0333	9.0000e-005		0.0355

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7 ALT1 Mitigated - Orange County, Summer

**JWA Phase 7 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.20	1000sqft	1.59	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34600	33441
tblAreaCoating	Area_Nonresidential_Interior	103800	100323
tblAreaCoating	Area_Parking	0	6629
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	5.7840e-003	5.7610e-003
tblFleetMix	MCY	4.9410e-003	4.9610e-003

tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MH	9.0400e-004	8.5400e-004
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	OBUS	1.7750e-003	1.8070e-003
tbIFleetMix	SBUS	5.9800e-004	6.0600e-004
tbIFleetMix	UBUS	1.5240e-003	1.4890e-003
tbISolidWaste	SolidWasteGenerationRate	85.81	82.93
tbIVehicleEF	HHD	0.47	0.42
tbIVehicleEF	HHD	0.16	0.17
tbIVehicleEF	HHD	0.07	0.06
tbIVehicleEF	HHD	1.51	1.43
tbIVehicleEF	HHD	1.25	1.29
tbIVehicleEF	HHD	4.18	4.34
tbIVehicleEF	HHD	3,872.44	3,764.04
tbIVehicleEF	HHD	1,597.37	1,576.10
tbIVehicleEF	HHD	13.53	14.15
tbIVehicleEF	HHD	13.41	12.60
tbIVehicleEF	HHD	1.83	1.71
tbIVehicleEF	HHD	19.09	18.97
tbIVehicleEF	HHD	0.01	9.4350e-003
tbIVehicleEF	HHD	0.06	0.06
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	6.0810e-003	5.9410e-003
tbIVehicleEF	HHD	1.2600e-004	1.3700e-004
tbIVehicleEF	HHD	0.01	9.0270e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.6700e-003	8.6680e-003
tbIVehicleEF	HHD	5.8180e-003	5.6830e-003
tbIVehicleEF	HHD	1.1600e-004	1.2600e-004
tbIVehicleEF	HHD	1.1500e-004	1.1600e-004

tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.36	0.34
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1200e-004
tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.44	0.39
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	1.10	1.04
tblVehicleEF	HHD	1.26	1.29
tblVehicleEF	HHD	3.98	4.13
tblVehicleEF	HHD	4,102.50	3,987.66
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	13.84	13.00
tblVehicleEF	HHD	1.73	1.61
tblVehicleEF	HHD	19.08	18.96
tblVehicleEF	HHD	0.01	7.9540e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	9.6890e-003	7.6100e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.34	0.32
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	2.0900e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.42	0.40
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	0.51	0.45
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	2.08	1.97
tblVehicleEF	HHD	1.25	1.28
tblVehicleEF	HHD	4.22	4.38
tblVehicleEF	HHD	3,554.73	3,455.22

tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	12.81	12.04
tblVehicleEF	HHD	1.80	1.68
tblVehicleEF	HHD	19.10	18.97
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1300e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.48	0.45
tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.26	0.26

tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	LDA	3.5840e-003	2.9860e-003
tblVehicleEF	LDA	3.9920e-003	3.1350e-003
tblVehicleEF	LDA	0.52	0.45
tblVehicleEF	LDA	0.92	0.78
tblVehicleEF	LDA	242.31	221.65
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.0380e-003	7.5160e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.4260e-003	2.2190e-003
tblVehicleEF	LDA	5.5500e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	3.7860e-003	3.1560e-003
tblVehicleEF	LDA	3.5910e-003	2.8240e-003

tblVehicleEF	LDA	0.56	0.49
tblVehicleEF	LDA	0.80	0.67
tblVehicleEF	LDA	252.48	230.94
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	9.5380e-003	7.9370e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.5280e-003	2.3120e-003
tblVehicleEF	LDA	5.5300e-004	5.0800e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	3.5150e-003	2.9280e-003
tblVehicleEF	LDA	4.0740e-003	3.1990e-003
tblVehicleEF	LDA	0.50	0.44
tblVehicleEF	LDA	0.95	0.80
tblVehicleEF	LDA	238.56	218.23
tblVehicleEF	LDA	53.99	49.70

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	8.8680e-003	7.3740e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.3880e-003	2.1840e-003
tblVehicleEF	LDA	5.5600e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDT1	8.0440e-003	6.5640e-003
tblVehicleEF	LDT1	0.01	8.9170e-003
tblVehicleEF	LDT1	1.00	0.85
tblVehicleEF	LDT1	2.24	1.85
tblVehicleEF	LDT1	303.32	282.04
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003

tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	3.0440e-003	2.8290e-003
tblVehicleEF	LDT1	7.1900e-004	6.7100e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	8.4500e-003	6.9040e-003
tblVehicleEF	LDT1	9.9950e-003	8.0030e-003
tblVehicleEF	LDT1	1.08	0.91
tblVehicleEF	LDT1	1.93	1.60
tblVehicleEF	LDT1	315.58	293.45
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.08	0.06
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20

tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	3.1680e-003	2.9440e-003
tblVehicleEF	LDT1	7.1300e-004	6.6600e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	7.9040e-003	6.4480e-003
tblVehicleEF	LDT1	0.01	9.1050e-003
tblVehicleEF	LDT1	0.97	0.82
tblVehicleEF	LDT1	2.30	1.91
tblVehicleEF	LDT1	298.79	277.83
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.15	0.12

tblVehicleEF	LDT1	2.9980e-003	2.7870e-003
tblVehicleEF	LDT1	7.2000e-004	6.7200e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT2	4.9710e-003	4.2560e-003
tblVehicleEF	LDT2	5.3310e-003	4.3490e-003
tblVehicleEF	LDT2	0.67	0.60
tblVehicleEF	LDT2	1.19	1.03
tblVehicleEF	LDT2	342.73	316.54
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.4320e-003	3.1690e-003
tblVehicleEF	LDT2	7.8300e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	5.2490e-003	4.4960e-003
tblVehicleEF	LDT2	4.8000e-003	3.9210e-003
tblVehicleEF	LDT2	0.73	0.66
tblVehicleEF	LDT2	1.03	0.90
tblVehicleEF	LDT2	356.77	329.50
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	3.5730e-003	3.2990e-003
tblVehicleEF	LDT2	7.8100e-004	7.2400e-004
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.06

tblVehicleEF	LDT2	4.8770e-003	4.1760e-003
tblVehicleEF	LDT2	5.4400e-003	4.4370e-003
tblVehicleEF	LDT2	0.65	0.58
tblVehicleEF	LDT2	1.22	1.06
tblVehicleEF	LDT2	337.54	311.75
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.3800e-003	3.1210e-003
tblVehicleEF	LDT2	7.8400e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.3180e-003	6.6120e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14

tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.21	1.93
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	0.93	0.83
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.22	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5200e-004	3.2700e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.4720e-003	6.7190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.65	0.54
tblVehicleEF	LHD1	2.11	1.85
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.00	0.83
tblVehicleEF	LHD1	0.90	0.80
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.22	0.18

tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7620e-003	5.6340e-003
tblVehicleEF	LHD1	3.5100e-004	3.2600e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.24	0.20
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.2770e-003	6.5830e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.22	1.94
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.05	0.86
tblVehicleEF	LHD1	0.94	0.84
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004

tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.23	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5300e-004	3.2700e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3120e-003	2.7710e-003
tblVehicleEF	LHD2	7.2560e-003	5.7240e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.05
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.46
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3450e-003	2.7950e-003
tblVehicleEF	LHD2	7.0320e-003	5.5590e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.13	1.01

tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.43
tblVehicleEF	LHD2	0.49	0.41
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06

tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3030e-003	2.7640e-003
tblVehicleEF	LHD2	7.3020e-003	5.7580e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.06
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.45
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003

tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.11	17.78
tblVehicleEF	MCY	9.59	9.63
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.12	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.35	2.33
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.03	2.01
tblVehicleEF	MCY	2.1510e-003	2.1500e-003
tblVehicleEF	MCY	6.6200e-004	6.5500e-004
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65

tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.93	2.91
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.46	17.16
tblVehicleEF	MCY	8.83	8.85
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.30	2.28
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.83	1.81
tblVehicleEF	MCY	6.4300e-004	6.3600e-004
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.86	2.85
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.99	1.97
tblVehicleEF	MCY	0.49	0.49

tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.21	17.87
tblVehicleEF	MCY	9.71	9.76
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.36	2.34
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.07	2.05
tblVehicleEF	MCY	2.1530e-003	2.1520e-003
tblVehicleEF	MCY	6.6500e-004	6.5800e-004
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.94	2.92
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.25	2.23
tblVehicleEF	MDV	9.1870e-003	7.5110e-003
tblVehicleEF	MDV	0.01	9.2910e-003
tblVehicleEF	MDV	1.04	0.89
tblVehicleEF	MDV	2.15	1.78
tblVehicleEF	MDV	467.69	434.17

tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6820e-003	4.3440e-003
tblVehicleEF	MDV	1.0560e-003	9.8200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	9.6820e-003	7.9230e-003
tblVehicleEF	MDV	0.01	8.3650e-003
tblVehicleEF	MDV	1.13	0.96
tblVehicleEF	MDV	1.86	1.54
tblVehicleEF	MDV	486.30	451.43
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	1.8820e-003	1.8740e-003

tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	4.8690e-003	4.5180e-003
tblVehicleEF	MDV	1.0510e-003	9.7800e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.16	0.12
tblVehicleEF	MDV	9.0170e-003	7.3710e-003
tblVehicleEF	MDV	0.01	9.4820e-003
tblVehicleEF	MDV	1.01	0.86
tblVehicleEF	MDV	2.21	1.83
tblVehicleEF	MDV	460.81	427.80
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.20	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06

tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6120e-003	4.2800e-003
tblVehicleEF	MDV	1.0570e-003	9.8300e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.49	1.13
tblVehicleEF	MH	4.71	4.26
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.24	1.09
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5000e-004	6.3900e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.27
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.53	1.16
tblVehicleEF	MH	4.46	4.04
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.67	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.4600e-004	6.3500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.48	1.12
tblVehicleEF	MH	4.74	4.29
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.22	1.07
tblVehicleEF	MH	0.71	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	6.5100e-004	6.4000e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9430e-003	2.4630e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.33	0.32
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.08	4.27
tblVehicleEF	MHD	141.00	145.52
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.36	0.37
tblVehicleEF	MHD	0.69	0.67
tblVehicleEF	MHD	10.82	11.16
tblVehicleEF	MHD	7.6000e-005	6.2000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	7.2000e-005	6.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.03	0.03

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.31	0.27
tblVehicleEF	MHD	1.3570e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7100e-004	6.2800e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.34	0.29
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.9770e-003	2.4860e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.24	0.23
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	4.84	4.07
tblVehicleEF	MHD	149.34	154.13
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.37	0.38
tblVehicleEF	MHD	0.65	0.64
tblVehicleEF	MHD	10.79	11.13
tblVehicleEF	MHD	6.4000e-005	5.3000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	6.1000e-005	5.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004

tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.30	0.26
tblVehicleEF	MHD	1.4350e-003	1.4810e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.6700e-004	6.2500e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.33	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9330e-003	2.4570e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.12	4.31
tblVehicleEF	MHD	129.46	133.61
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.34	0.36
tblVehicleEF	MHD	0.68	0.66
tblVehicleEF	MHD	10.83	11.17
tblVehicleEF	MHD	9.2000e-005	7.6000e-005

tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	8.8000e-005	7.3000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.27
tblVehicleEF	MHD	1.2480e-003	1.2870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7200e-004	6.2900e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8760e-003	4.8420e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.05	4.65
tblVehicleEF	OBUS	76.29	77.10
tblVehicleEF	OBUS	1,208.63	1,201.04

tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.55	0.56
tblVehicleEF	OBUS	1.99	1.93
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	7.4000e-004	7.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	7.7000e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.9810e-003	4.9210e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.43	0.36

tblVehicleEF	OBUS	4.79	4.41
tblVehicleEF	OBUS	79.82	80.67
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.51	0.52
tblVehicleEF	OBUS	1.96	1.90
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.28
tblVehicleEF	OBUS	7.7400e-004	7.8200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	7.6600e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8450e-003	4.8180e-003

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.09	4.69
tblVehicleEF	OBUS	71.43	72.16
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.54	0.55
tblVehicleEF	OBUS	2.00	1.94
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.30
tblVehicleEF	OBUS	6.9400e-004	7.0100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	7.7000e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.38	8.62
tblVehicleEF	SBUS	1.03	0.85
tblVehicleEF	SBUS	8.97	8.29
tblVehicleEF	SBUS	1,100.64	1,070.68
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.42	7.09
tblVehicleEF	SBUS	3.91	3.21
tblVehicleEF	SBUS	11.93	11.39
tblVehicleEF	SBUS	8.0260e-003	5.9080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	7.6790e-003	5.6520e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.44
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	7.2400e-004	7.3600e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.48
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.27	8.53
tblVehicleEF	SBUS	1.04	0.86
tblVehicleEF	SBUS	7.41	6.84
tblVehicleEF	SBUS	1,149.38	1,116.92
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.69	7.32
tblVehicleEF	SBUS	3.69	3.03
tblVehicleEF	SBUS	11.90	11.36
tblVehicleEF	SBUS	6.7660e-003	4.9800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	6.4740e-003	4.7650e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.40
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	7.1200e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.46	0.43
tblVehicleEF	SBUS	0.84	0.83
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.52	8.75
tblVehicleEF	SBUS	1.02	0.84
tblVehicleEF	SBUS	9.12	8.42
tblVehicleEF	SBUS	1,033.33	1,006.83
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.05	6.78
tblVehicleEF	SBUS	3.84	3.15
tblVehicleEF	SBUS	11.94	11.40
tblVehicleEF	SBUS	9.7670e-003	7.1890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02

tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	9.3440e-003	6.8780e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.00	1.03
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.45
tblVehicleEF	SBUS	0.01	9.9070e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	7.3900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.45	1.49
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.49
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.06	6.98
tblVehicleEF	UBUS	12.43	11.13
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.94	3.21
tblVehicleEF	UBUS	13.12	12.84

tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	0.44	0.29
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.94	0.88
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5920e-003	1.5890e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	2.18	1.82
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.03	0.97
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	8.11	7.01
tblVehicleEF	UBUS	10.96	9.86
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.69	3.01
tblVehicleEF	UBUS	13.05	12.78
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02

tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	0.44	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.87	0.82
tblVehicleEF	UBUS	8.5780e-003	8.4530e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	2.18	1.83
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.05	6.97
tblVehicleEF	UBUS	12.68	11.35
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.86	3.14
tblVehicleEF	UBUS	13.14	12.86
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02

tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	0.43	0.29
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5960e-003	1.5930e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	2.17	1.82
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	1.04	0.98
tblWater	IndoorWaterUseRate	16,002,500.00	15,466,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6003	33.3210	29.0905	0.0631	3.6809	1.4409	5.1218	0.6489	1.3651	2.0141	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744
Maximum	3.6003	33.3210	29.0905	0.0631	3.6809	1.4409	5.1218	0.6489	1.3651	2.0141	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8367	9.1262	30.2461	0.0631	1.9074	0.0819	1.9893	0.3804	0.0812	0.4616	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744
Maximum	0.8367	9.1262	30.2461	0.0631	1.9074	0.0819	1.9893	0.3804	0.0812	0.4616	0.0000	6,159.8844	6,159.8844	1.0876	0.0000	6,187.0744

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	76.76	72.61	-3.97	0.00	48.18	94.32	61.16	41.38	94.05	77.08	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Total	2.2625	2.8651	10.5213	0.0466	4.5308	0.0596	4.5904	1.2115	0.0574	1.2689		4,978.2266	4,978.2266	0.1759	8.5500e-003	4,985.1721

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005			0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003		468.9362
Mobile	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670			4,516.2198
Total	2.2625	2.8651	10.5213	0.0466	4.5308	0.0596	4.5904	1.2115	0.0574	1.2689		4,978.2266	4,978.2266	0.1759	8.5500e-003		4,985.1721

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
------------	------------------------	--------	-------------	-------------	-------------

Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	0		158	0.38
Demolition - 7	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of T Hangers - 7	Cranes	1	6.00	231	0.29
Construction of T Hangers - 7	Forklifts	1	6.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T Hangers - 7	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	5	13.00	0.00	846.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	7	29.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000			0.0000

Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0918	3.1368	0.9428	9.9700e-003	0.2338	9.2700e-003	0.2431	0.0640	8.8700e-003	0.0729		1,116.6123	1,116.6123	0.1159		1,119.5086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1361	3.1625	1.3113	0.0113	0.3791	0.0102	0.3893	0.1025	9.7200e-003	0.1123		1,248.3285	1,248.3285	0.1185		1,251.2912

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1339	0.0000	1.1339	0.1717	0.0000	0.1717			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.1339	0.0375	1.1714	0.1717	0.0375	0.2092	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0918	3.1368	0.9428	9.9700e-003	0.2338	9.2700e-003	0.2431	0.0640	8.8700e-003	0.0729		1,116.6123	1,116.6123	0.1159		1,119.5086
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	0.1361	3.1625	1.3113	0.0113	0.3791	0.0102	0.3893	0.1025	9.7200e-003	0.1123		1,248.3285	1,248.3285	0.1185		1,251.2912

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0276	0.9763	0.2702	2.6800e-003	0.0703	1.8600e-003	0.0721	0.0202	1.7800e-003	0.0220		292.7679	292.7679	0.0225		293.3293
Worker	0.0989	0.0574	0.8221	2.9500e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		293.8284	293.8284	5.9300e-003		293.9767
Total	0.1265	1.0337	1.0923	5.6300e-003	0.3944	3.9200e-003	0.3984	0.1062	3.6700e-003	0.1099		586.5962	586.5962	0.0284		587.3061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.9763	0.2702	2.6800e-003	0.0703	1.8600e-003	0.0721	0.0202	1.7800e-003	0.0220		292.7679	292.7679	0.0225		293.3293
Worker	0.0989	0.0574	0.8221	2.9500e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		293.8284	293.8284	5.9300e-003		293.9767
Total	0.1265	1.0337	1.0923	5.6300e-003	0.3944	3.9200e-003	0.3984	0.1062	3.6700e-003	0.1099		586.5962	586.5962	0.0284		587.3061

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198
Unmitigated	0.6706	2.4766	10.1879	0.0443	4.5308	0.0300	4.5609	1.2115	0.0279	1.2394		4,512.0455	4,512.0455	0.1670		4,516.2198

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	482.32	91.34	47.06	1,613,171	1,613,171
Total	482.32	91.34	47.06	1,613,171	1,613,171

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
NaturalGas Unmitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3962.41	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.96241	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 7 ALT1 Mitigated - Orange County, Winter

JWA Phase 7 ALT1 Mitigated
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	69.20	1000sqft	1.59	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2023
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34600	33441
tblAreaCoating	Area_Nonresidential_Interior	103800	100323
tblAreaCoating	Area_Parking	0	6629
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	200.00	91.00
tblConstructionPhase	NumDays	20.00	63.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.56	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	5.7840e-003	5.7610e-003
tblFleetMix	MCY	4.9410e-003	4.9610e-003

tbIFleetMix	MDV	0.11	0.11
tbIFleetMix	MH	9.0400e-004	8.5400e-004
tbIFleetMix	MHD	0.03	0.03
tbIFleetMix	OBUS	1.7750e-003	1.8070e-003
tbIFleetMix	SBUS	5.9800e-004	6.0600e-004
tbIFleetMix	UBUS	1.5240e-003	1.4890e-003
tbISolidWaste	SolidWasteGenerationRate	85.81	82.93
tbIVehicleEF	HHD	0.47	0.42
tbIVehicleEF	HHD	0.16	0.17
tbIVehicleEF	HHD	0.07	0.06
tbIVehicleEF	HHD	1.51	1.43
tbIVehicleEF	HHD	1.25	1.29
tbIVehicleEF	HHD	4.18	4.34
tbIVehicleEF	HHD	3,872.44	3,764.04
tbIVehicleEF	HHD	1,597.37	1,576.10
tbIVehicleEF	HHD	13.53	14.15
tbIVehicleEF	HHD	13.41	12.60
tbIVehicleEF	HHD	1.83	1.71
tbIVehicleEF	HHD	19.09	18.97
tbIVehicleEF	HHD	0.01	9.4350e-003
tbIVehicleEF	HHD	0.06	0.06
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	6.0810e-003	5.9410e-003
tbIVehicleEF	HHD	1.2600e-004	1.3700e-004
tbIVehicleEF	HHD	0.01	9.0270e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.6700e-003	8.6680e-003
tbIVehicleEF	HHD	5.8180e-003	5.6830e-003
tbIVehicleEF	HHD	1.1600e-004	1.2600e-004
tbIVehicleEF	HHD	1.1500e-004	1.1600e-004

tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.36	0.34
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1200e-004
tblVehicleEF	HHD	1.1500e-004	1.1600e-004
tblVehicleEF	HHD	4.7550e-003	4.7150e-003
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	8.8000e-005	9.0000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.2300e-004	4.3100e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.44	0.39
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	1.10	1.04
tblVehicleEF	HHD	1.26	1.29
tblVehicleEF	HHD	3.98	4.13
tblVehicleEF	HHD	4,102.50	3,987.66
tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	13.84	13.00
tblVehicleEF	HHD	1.73	1.61
tblVehicleEF	HHD	19.08	18.96
tblVehicleEF	HHD	0.01	7.9540e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	9.6890e-003	7.6100e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.34	0.32
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	2.0900e-004
tblVehicleEF	HHD	4.8480e-003	4.8090e-003
tblVehicleEF	HHD	0.42	0.40
tblVehicleEF	HHD	1.2200e-004	1.2300e-004
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.0800e-004	4.1500e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	0.51	0.45
tblVehicleEF	HHD	0.16	0.17
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	2.08	1.97
tblVehicleEF	HHD	1.25	1.28
tblVehicleEF	HHD	4.22	4.38
tblVehicleEF	HHD	3,554.73	3,455.22

tblVehicleEF	HHD	1,597.37	1,576.10
tblVehicleEF	HHD	13.53	14.15
tblVehicleEF	HHD	12.81	12.04
tblVehicleEF	HHD	1.80	1.68
tblVehicleEF	HHD	19.10	18.97
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	5.9410e-003
tblVehicleEF	HHD	1.2600e-004	1.3700e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.6680e-003
tblVehicleEF	HHD	5.8180e-003	5.6830e-003
tblVehicleEF	HHD	1.1600e-004	1.2600e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	2.1300e-004
tblVehicleEF	HHD	1.1300e-004	1.1200e-004
tblVehicleEF	HHD	5.0850e-003	4.9990e-003
tblVehicleEF	HHD	0.48	0.45
tblVehicleEF	HHD	8.8000e-005	8.9000e-005
tblVehicleEF	HHD	0.26	0.26

tblVehicleEF	HHD	4.6100e-004	4.7200e-004
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	LDA	3.5840e-003	2.9860e-003
tblVehicleEF	LDA	3.9920e-003	3.1350e-003
tblVehicleEF	LDA	0.52	0.45
tblVehicleEF	LDA	0.92	0.78
tblVehicleEF	LDA	242.31	221.65
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.0380e-003	7.5160e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.4260e-003	2.2190e-003
tblVehicleEF	LDA	5.5500e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	3.7860e-003	3.1560e-003
tblVehicleEF	LDA	3.5910e-003	2.8240e-003

tblVehicleEF	LDA	0.56	0.49
tblVehicleEF	LDA	0.80	0.67
tblVehicleEF	LDA	252.48	230.94
tblVehicleEF	LDA	53.99	49.70
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	9.5380e-003	7.9370e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.5280e-003	2.3120e-003
tblVehicleEF	LDA	5.5300e-004	5.0800e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	3.5150e-003	2.9280e-003
tblVehicleEF	LDA	4.0740e-003	3.1990e-003
tblVehicleEF	LDA	0.50	0.44
tblVehicleEF	LDA	0.95	0.80
tblVehicleEF	LDA	238.56	218.23
tblVehicleEF	LDA	53.99	49.70

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.8390e-003	1.7720e-003
tblVehicleEF	LDA	2.2490e-003	2.2230e-003
tblVehicleEF	LDA	1.6950e-003	1.6310e-003
tblVehicleEF	LDA	2.0680e-003	2.0440e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	8.8680e-003	7.3740e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	2.3880e-003	2.1840e-003
tblVehicleEF	LDA	5.5600e-004	5.1000e-004
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDT1	8.0440e-003	6.5640e-003
tblVehicleEF	LDT1	0.01	8.9170e-003
tblVehicleEF	LDT1	1.00	0.85
tblVehicleEF	LDT1	2.24	1.85
tblVehicleEF	LDT1	303.32	282.04
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003

tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	3.0440e-003	2.8290e-003
tblVehicleEF	LDT1	7.1900e-004	6.7100e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	8.4500e-003	6.9040e-003
tblVehicleEF	LDT1	9.9950e-003	8.0030e-003
tblVehicleEF	LDT1	1.08	0.91
tblVehicleEF	LDT1	1.93	1.60
tblVehicleEF	LDT1	315.58	293.45
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.08	0.06
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20

tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	3.1680e-003	2.9440e-003
tblVehicleEF	LDT1	7.1300e-004	6.6600e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	7.9040e-003	6.4480e-003
tblVehicleEF	LDT1	0.01	9.1050e-003
tblVehicleEF	LDT1	0.97	0.82
tblVehicleEF	LDT1	2.30	1.91
tblVehicleEF	LDT1	298.79	277.83
tblVehicleEF	LDT1	67.98	63.89
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.13	0.11
tblVehicleEF	LDT1	2.3740e-003	2.2390e-003
tblVehicleEF	LDT1	3.0400e-003	2.8700e-003
tblVehicleEF	LDT1	2.1840e-003	2.0600e-003
tblVehicleEF	LDT1	2.7950e-003	2.6380e-003
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.15	0.12

tblVehicleEF	LDT1	2.9980e-003	2.7870e-003
tblVehicleEF	LDT1	7.2000e-004	6.7200e-004
tblVehicleEF	LDT1	0.11	0.09
tblVehicleEF	LDT1	0.25	0.22
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT2	4.9710e-003	4.2560e-003
tblVehicleEF	LDT2	5.3310e-003	4.3490e-003
tblVehicleEF	LDT2	0.67	0.60
tblVehicleEF	LDT2	1.19	1.03
tblVehicleEF	LDT2	342.73	316.54
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.4320e-003	3.1690e-003
tblVehicleEF	LDT2	7.8300e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.09	0.08

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	5.2490e-003	4.4960e-003
tblVehicleEF	LDT2	4.8000e-003	3.9210e-003
tblVehicleEF	LDT2	0.73	0.66
tblVehicleEF	LDT2	1.03	0.90
tblVehicleEF	LDT2	356.77	329.50
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	3.5730e-003	3.2990e-003
tblVehicleEF	LDT2	7.8100e-004	7.2400e-004
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.06

tblVehicleEF	LDT2	4.8770e-003	4.1760e-003
tblVehicleEF	LDT2	5.4400e-003	4.4370e-003
tblVehicleEF	LDT2	0.65	0.58
tblVehicleEF	LDT2	1.22	1.06
tblVehicleEF	LDT2	337.54	311.75
tblVehicleEF	LDT2	76.37	70.97
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	1.8340e-003	1.8620e-003
tblVehicleEF	LDT2	2.2690e-003	2.3490e-003
tblVehicleEF	LDT2	1.6860e-003	1.7130e-003
tblVehicleEF	LDT2	2.0860e-003	2.1600e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	3.3800e-003	3.1210e-003
tblVehicleEF	LDT2	7.8400e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.3180e-003	6.6120e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14

tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.21	1.93
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.07	0.88
tblVehicleEF	LHD1	0.93	0.83
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.22	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5200e-004	3.2700e-004
tblVehicleEF	LHD1	2.5990e-003	2.3580e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.5620e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.4720e-003	6.7190e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.65	0.54
tblVehicleEF	LHD1	2.11	1.85
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.00	0.83
tblVehicleEF	LHD1	0.90	0.80
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.22	0.18

tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7620e-003	5.6340e-003
tblVehicleEF	LHD1	3.5100e-004	3.2600e-004
tblVehicleEF	LHD1	3.6240e-003	3.2850e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	2.0970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	0.24	0.20
tblVehicleEF	LHD1	5.1440e-003	4.6290e-003
tblVehicleEF	LHD1	8.2770e-003	6.5830e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.64	0.53
tblVehicleEF	LHD1	2.22	1.94
tblVehicleEF	LHD1	9.05	9.06
tblVehicleEF	LHD1	587.85	575.70
tblVehicleEF	LHD1	31.08	29.12
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.05	0.86
tblVehicleEF	LHD1	0.94	0.84
tblVehicleEF	LHD1	8.7400e-004	8.7700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7940e-003	9.1020e-003
tblVehicleEF	LHD1	8.1700e-004	7.3200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3900e-004
tblVehicleEF	LHD1	2.5470e-003	2.5780e-003
tblVehicleEF	LHD1	9.3500e-003	8.6890e-003
tblVehicleEF	LHD1	7.5200e-004	6.7300e-004

tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.23	0.19
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	5.7610e-003	5.6340e-003
tblVehicleEF	LHD1	3.5300e-004	3.2700e-004
tblVehicleEF	LHD1	2.6790e-003	2.4070e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.5670e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.25	0.21
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3120e-003	2.7710e-003
tblVehicleEF	LHD2	7.2560e-003	5.7240e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.05
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.46
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7400e-004	8.4100e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	6.0700e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.11	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3450e-003	2.7950e-003
tblVehicleEF	LHD2	7.0320e-003	5.5590e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.13	1.01

tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.43
tblVehicleEF	LHD2	0.49	0.41
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003
tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	1.3660e-003	1.1790e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	8.1900e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.07	0.06

tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	3.7290e-003	3.3230e-003
tblVehicleEF	LHD2	3.3030e-003	2.7640e-003
tblVehicleEF	LHD2	7.3020e-003	5.7580e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.29	0.25
tblVehicleEF	LHD2	1.18	1.06
tblVehicleEF	LHD2	13.67	13.64
tblVehicleEF	LHD2	604.69	594.63
tblVehicleEF	LHD2	26.72	25.27
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.45
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	1.1580e-003	1.1200e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	7.9770e-003
tblVehicleEF	LHD2	4.1000e-004	3.8500e-004
tblVehicleEF	LHD2	1.1080e-003	1.0720e-003
tblVehicleEF	LHD2	2.6650e-003	2.6790e-003
tblVehicleEF	LHD2	8.4170e-003	7.6200e-003
tblVehicleEF	LHD2	3.7700e-004	3.5400e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.10	0.08
tblVehicleEF	LHD2	1.3400e-004	1.3300e-004
tblVehicleEF	LHD2	5.8880e-003	5.7860e-003

tblVehicleEF	LHD2	2.8800e-004	2.7100e-004
tblVehicleEF	LHD2	9.7300e-004	8.2800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	6.0000e-004
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.11	0.09
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.11	17.78
tblVehicleEF	MCY	9.59	9.63
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.12	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.35	2.33
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.03	2.01
tblVehicleEF	MCY	2.1510e-003	2.1500e-003
tblVehicleEF	MCY	6.6200e-004	6.5500e-004
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.67	0.65

tblVehicleEF	MCY	0.69	0.68
tblVehicleEF	MCY	2.93	2.91
tblVehicleEF	MCY	0.62	0.58
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	0.48	0.48
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.46	17.16
tblVehicleEF	MCY	8.83	8.85
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.30	2.28
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.83	1.81
tblVehicleEF	MCY	6.4300e-004	6.3600e-004
tblVehicleEF	MCY	1.69	1.68
tblVehicleEF	MCY	0.71	0.69
tblVehicleEF	MCY	1.10	1.08
tblVehicleEF	MCY	2.86	2.85
tblVehicleEF	MCY	0.58	0.54
tblVehicleEF	MCY	1.99	1.97
tblVehicleEF	MCY	0.49	0.49

tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	18.21	17.87
tblVehicleEF	MCY	9.71	9.76
tblVehicleEF	MCY	178.39	178.94
tblVehicleEF	MCY	44.52	43.84
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.2180e-003	2.2820e-003
tblVehicleEF	MCY	3.6330e-003	3.4710e-003
tblVehicleEF	MCY	2.0720e-003	2.1300e-003
tblVehicleEF	MCY	3.4160e-003	3.2570e-003
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.36	2.34
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.07	2.05
tblVehicleEF	MCY	2.1530e-003	2.1520e-003
tblVehicleEF	MCY	6.6500e-004	6.5800e-004
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	0.86	0.83
tblVehicleEF	MCY	0.73	0.72
tblVehicleEF	MCY	2.94	2.92
tblVehicleEF	MCY	0.71	0.67
tblVehicleEF	MCY	2.25	2.23
tblVehicleEF	MDV	9.1870e-003	7.5110e-003
tblVehicleEF	MDV	0.01	9.2910e-003
tblVehicleEF	MDV	1.04	0.89
tblVehicleEF	MDV	2.15	1.78
tblVehicleEF	MDV	467.69	434.17

tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.11	0.09
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6820e-003	4.3440e-003
tblVehicleEF	MDV	1.0560e-003	9.8200e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	9.6820e-003	7.9230e-003
tblVehicleEF	MDV	0.01	8.3650e-003
tblVehicleEF	MDV	1.13	0.96
tblVehicleEF	MDV	1.86	1.54
tblVehicleEF	MDV	486.30	451.43
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	1.8820e-003	1.8740e-003

tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	4.8690e-003	4.5180e-003
tblVehicleEF	MDV	1.0510e-003	9.7800e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.16	0.12
tblVehicleEF	MDV	9.0170e-003	7.3710e-003
tblVehicleEF	MDV	0.01	9.4820e-003
tblVehicleEF	MDV	1.01	0.86
tblVehicleEF	MDV	2.21	1.83
tblVehicleEF	MDV	460.81	427.80
tblVehicleEF	MDV	101.87	95.21
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.20	0.15
tblVehicleEF	MDV	1.8820e-003	1.8740e-003
tblVehicleEF	MDV	2.2700e-003	2.2820e-003
tblVehicleEF	MDV	1.7350e-003	1.7260e-003
tblVehicleEF	MDV	2.0880e-003	2.0980e-003
tblVehicleEF	MDV	0.06	0.06

tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	4.6120e-003	4.2800e-003
tblVehicleEF	MDV	1.0570e-003	9.8300e-004
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tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.49	1.13
tblVehicleEF	MH	4.71	4.26
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
tblVehicleEF	MH	1.24	1.09
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.5000e-004	6.3900e-004
tblVehicleEF	MH	0.80	0.70
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.32
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.27
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.53	1.16
tblVehicleEF	MH	4.46	4.04
tblVehicleEF	MH	1,100.52	1,092.39
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tblVehicleEF	MH	0.67	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.4600e-004	6.3500e-004
tblVehicleEF	MH	1.07	0.94
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.48	0.43
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tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.48	1.12
tblVehicleEF	MH	4.74	4.29
tblVehicleEF	MH	1,100.52	1,092.39
tblVehicleEF	MH	56.84	56.50
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tblVehicleEF	MH	0.71	0.66
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	9.3800e-004	8.8700e-004
tblVehicleEF	MH	3.2410e-003	3.2390e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	8.6200e-004	8.1500e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.01	0.01

tblVehicleEF	MH	6.5100e-004	6.4000e-004
tblVehicleEF	MH	0.87	0.75
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.37	0.33
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.30	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9430e-003	2.4630e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.33	0.32
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.08	4.27
tblVehicleEF	MHD	141.00	145.52
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.36	0.37
tblVehicleEF	MHD	0.69	0.67
tblVehicleEF	MHD	10.82	11.16
tblVehicleEF	MHD	7.6000e-005	6.2000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	7.2000e-005	6.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.03	0.03

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.31	0.27
tblVehicleEF	MHD	1.3570e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7100e-004	6.2800e-004
tblVehicleEF	MHD	9.9700e-004	8.8400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	6.2700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.34	0.29
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.9770e-003	2.4860e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.24	0.23
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	4.84	4.07
tblVehicleEF	MHD	149.34	154.13
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.37	0.38
tblVehicleEF	MHD	0.65	0.64
tblVehicleEF	MHD	10.79	11.13
tblVehicleEF	MHD	6.4000e-005	5.3000e-005
tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	6.1000e-005	5.0000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004

tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.30	0.26
tblVehicleEF	MHD	1.4350e-003	1.4810e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.6700e-004	6.2500e-004
tblVehicleEF	MHD	1.4050e-003	1.2450e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	8.5400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.33	0.28
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9330e-003	2.4570e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.26	0.23
tblVehicleEF	MHD	5.12	4.31
tblVehicleEF	MHD	129.46	133.61
tblVehicleEF	MHD	1,129.46	1,119.65
tblVehicleEF	MHD	58.21	55.33
tblVehicleEF	MHD	0.34	0.36
tblVehicleEF	MHD	0.68	0.66
tblVehicleEF	MHD	10.83	11.17
tblVehicleEF	MHD	9.2000e-005	7.6000e-005

tblVehicleEF	MHD	2.7910e-003	2.8240e-003
tblVehicleEF	MHD	7.2300e-004	6.7000e-004
tblVehicleEF	MHD	8.8000e-005	7.3000e-005
tblVehicleEF	MHD	2.6680e-003	2.6990e-003
tblVehicleEF	MHD	6.6500e-004	6.1600e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.27
tblVehicleEF	MHD	1.2480e-003	1.2870e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.7200e-004	6.2900e-004
tblVehicleEF	MHD	1.0150e-003	8.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	6.2600e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8760e-003	4.8420e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.24
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.05	4.65
tblVehicleEF	OBUS	76.29	77.10
tblVehicleEF	OBUS	1,208.63	1,201.04

tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.55	0.56
tblVehicleEF	OBUS	1.99	1.93
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	7.4000e-004	7.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	7.7000e-004
tblVehicleEF	OBUS	1.3670e-003	1.3320e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.5000e-004	7.4400e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.9810e-003	4.9210e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.43	0.36

tblVehicleEF	OBUS	4.79	4.41
tblVehicleEF	OBUS	79.82	80.67
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.51	0.52
tblVehicleEF	OBUS	1.96	1.90
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.28
tblVehicleEF	OBUS	7.7400e-004	7.8200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	7.6600e-004
tblVehicleEF	OBUS	1.8810e-003	1.8340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.0260e-003	1.0130e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8450e-003	4.8180e-003

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.43	0.36
tblVehicleEF	OBUS	5.09	4.69
tblVehicleEF	OBUS	71.43	72.16
tblVehicleEF	OBUS	1,208.63	1,201.04
tblVehicleEF	OBUS	69.33	68.82
tblVehicleEF	OBUS	0.15	0.15
tblVehicleEF	OBUS	0.54	0.55
tblVehicleEF	OBUS	2.00	1.94
tblVehicleEF	OBUS	2.3250e-003	2.4760e-003
tblVehicleEF	OBUS	8.7700e-004	9.1700e-004
tblVehicleEF	OBUS	2.2060e-003	2.3490e-003
tblVehicleEF	OBUS	8.0600e-004	8.4300e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.30
tblVehicleEF	OBUS	6.9400e-004	7.0100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	7.7000e-004
tblVehicleEF	OBUS	1.3790e-003	1.3290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	7.4200e-004	7.3200e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.35	0.32
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.38	8.62
tblVehicleEF	SBUS	1.03	0.85
tblVehicleEF	SBUS	8.97	8.29
tblVehicleEF	SBUS	1,100.64	1,070.68
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.42	7.09
tblVehicleEF	SBUS	3.91	3.21
tblVehicleEF	SBUS	11.93	11.39
tblVehicleEF	SBUS	8.0260e-003	5.9080e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	7.6790e-003	5.6520e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.44
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	7.2400e-004	7.3600e-004
tblVehicleEF	SBUS	3.3970e-003	3.4530e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	1.9330e-003	2.0320e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.48
tblVehicleEF	SBUS	0.84	0.82
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.27	8.53
tblVehicleEF	SBUS	1.04	0.86
tblVehicleEF	SBUS	7.41	6.84
tblVehicleEF	SBUS	1,149.38	1,116.92
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.69	7.32
tblVehicleEF	SBUS	3.69	3.03
tblVehicleEF	SBUS	11.90	11.36
tblVehicleEF	SBUS	6.7660e-003	4.9800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	6.4740e-003	4.7650e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03

tblVehicleEF	SBUS	1.00	1.02
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.40
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	7.1200e-004
tblVehicleEF	SBUS	4.6630e-003	4.7500e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.44	1.48
tblVehicleEF	SBUS	2.6350e-003	2.7550e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.46	0.43
tblVehicleEF	SBUS	0.84	0.83
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.08	0.07
tblVehicleEF	SBUS	8.52	8.75
tblVehicleEF	SBUS	1.02	0.84
tblVehicleEF	SBUS	9.12	8.42
tblVehicleEF	SBUS	1,033.33	1,006.83
tblVehicleEF	SBUS	1,073.61	1,057.74
tblVehicleEF	SBUS	56.82	59.29
tblVehicleEF	SBUS	8.05	6.78
tblVehicleEF	SBUS	3.84	3.15
tblVehicleEF	SBUS	11.94	11.40
tblVehicleEF	SBUS	9.7670e-003	7.1890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02

tblVehicleEF	SBUS	9.8700e-004	1.0530e-003
tblVehicleEF	SBUS	9.3440e-003	6.8780e-003
tblVehicleEF	SBUS	2.6630e-003	2.6470e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	9.0700e-004	9.6900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.00	1.03
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.45
tblVehicleEF	SBUS	0.01	9.9070e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	7.3900e-004
tblVehicleEF	SBUS	3.3440e-003	3.3460e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	1.45	1.49
tblVehicleEF	SBUS	1.8840e-003	1.9780e-003
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.52	0.49
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.06	6.98
tblVehicleEF	UBUS	12.43	11.13
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.94	3.21
tblVehicleEF	UBUS	13.12	12.84

tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	0.44	0.29
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.94	0.88
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5920e-003	1.5890e-003
tblVehicleEF	UBUS	5.8750e-003	5.1810e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	3.5880e-003	3.3500e-003
tblVehicleEF	UBUS	2.18	1.82
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.03	0.97
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	8.11	7.01
tblVehicleEF	UBUS	10.96	9.86
tblVehicleEF	UBUS	1,803.73	1,782.08
tblVehicleEF	UBUS	136.85	138.77
tblVehicleEF	UBUS	3.69	3.01
tblVehicleEF	UBUS	13.05	12.78
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02

tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	0.44	0.30
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.87	0.82
tblVehicleEF	UBUS	8.5780e-003	8.4530e-003
tblVehicleEF	UBUS	7.8850e-003	6.9800e-003
tblVehicleEF	UBUS	0.09	0.08
tblVehicleEF	UBUS	4.7730e-003	4.4760e-003
tblVehicleEF	UBUS	2.18	1.83
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	1.69	1.49
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	8.05	6.97
tblVehicleEF	UBUS	12.68	11.35
tblVehicleEF	UBUS	1,803.73	1,782.08
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tblVehicleEF	UBUS	3.86	3.14
tblVehicleEF	UBUS	13.14	12.86
tblVehicleEF	UBUS	0.52	0.51
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.2820e-003	1.2910e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.03	0.02

tblVehicleEF	UBUS	1.1780e-003	1.1870e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	0.43	0.29
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	0.95	0.90
tblVehicleEF	UBUS	8.5770e-003	8.4520e-003
tblVehicleEF	UBUS	1.5960e-003	1.5930e-003
tblVehicleEF	UBUS	6.5460e-003	5.6320e-003
tblVehicleEF	UBUS	0.11	0.09
tblVehicleEF	UBUS	3.7380e-003	3.4140e-003
tblVehicleEF	UBUS	2.17	1.82
tblVehicleEF	UBUS	0.04	0.03
tblVehicleEF	UBUS	1.04	0.98
tblWater	IndoorWaterUseRate	16,002,500.00	15,466,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.6233	33.3603	29.0671	0.0627	3.6809	1.4411	5.1220	0.6489	1.3654	2.0143	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289
Maximum	3.6233	33.3603	29.0671	0.0627	3.6809	1.4411	5.1220	0.6489	1.3654	2.0143	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8597	9.1654	30.2227	0.0627	1.9074	0.0821	1.9895	0.3804	0.0814	0.4618	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289
Maximum	0.8597	9.1654	30.2227	0.0627	1.9074	0.0821	1.9895	0.3804	0.0814	0.4618	0.0000	6,112.8634	6,112.8634	1.0906	0.0000	6,140.1289

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	76.27	72.53	-3.98	0.00	48.18	94.30	61.16	41.38	94.04	77.07	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational
Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Mobile	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Total	2.2499	2.9420	9.9611	0.0447	4.5308	0.0597	4.5905	1.2115	0.0575	1.2690		4,784.7150	4,784.7150	0.1749	8.5500e-003	4,791.6345

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Area	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005			0.0161
Energy	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003		468.9362
Mobile	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659			4,322.6821
Total	2.2499	2.9420	9.9611	0.0447	4.5308	0.0597	4.5905	1.2115	0.0575	1.2690		4,784.7150	4,784.7150	0.1749	8.5500e-003		4,791.6345

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 7	Demolition	5/19/2022	8/15/2022	5	63	
2	Construction of T Hangers - 7	Building Construction	8/15/2022	12/19/2022	5	91	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
------------	------------------------	--------	-------------	-------------	-------------

Demolition - 7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 7	Excavators	0		158	0.38
Demolition - 7	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of T Hangers - 7	Cranes	1	6.00	231	0.29
Construction of T Hangers - 7	Forklifts	1	6.00	89	0.20
Construction of T Hangers - 7	Generator Sets	1	8.00	84	0.74
Construction of T Hangers - 7	Rubber Tired Dozers	0		247	0.40
Construction of T Hangers - 7	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T Hangers - 7	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 7	5	13.00	0.00	846.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T Hangers - 7	7	29.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 7 - 2022

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					2.9074	0.0000	2.9074	0.4402	0.0000	0.4402			0.0000			0.0000

Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	2.9074	0.8379	3.7453	0.4402	0.7829	1.2231		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0941	3.1708	0.9871	9.8200e-003	0.2338	9.4400e-003	0.2432	0.0640	9.0300e-003	0.0730		1,099.5844	1,099.5844	0.1183		1,102.5415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.1444	3.1991	1.3267	0.0111	0.3791	0.0104	0.3895	0.1025	9.8800e-003	0.1124		1,224.2517	1,224.2517	0.1208		1,227.2716

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1339	0.0000	1.1339	0.1717	0.0000	0.1717			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.1339	0.0375	1.1714	0.1717	0.0375	0.2092	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0941	3.1708	0.9871	9.8200e-003	0.2338	9.4400e-003	0.2432	0.0640	9.0300e-003	0.0730		1,099.5844	1,099.5844	0.1183		1,102.5415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	0.1444	3.1991	1.3267	0.0111	0.3791	0.0104	0.3895	0.1025	9.8800e-003	0.1124		1,224.2517	1,224.2517	0.1208		1,227.2716

3.3 Construction of T Hangers - 7 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0290	0.9733	0.2961	2.6200e-003	0.0703	1.9400e-003	0.0722	0.0202	1.8500e-003	0.0221		285.5482	285.5482	0.0235		286.1360
Worker	0.1123	0.0630	0.7574	2.7900e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		278.1039	278.1039	5.6100e-003		278.2441
Total	0.1413	1.0364	1.0535	5.4100e-003	0.3944	4.0000e-003	0.3984	0.1062	3.7400e-003	0.1099		563.6521	563.6521	0.0291		564.3802

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.2930	3.7120	13.1241	0.0221		0.0303	0.0303		0.0303	0.0303	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0290	0.9733	0.2961	2.6200e-003	0.0703	1.9400e-003	0.0722	0.0202	1.8500e-003	0.0221		285.5482	285.5482	0.0235		286.1360
Worker	0.1123	0.0630	0.7574	2.7900e-003	0.3242	2.0600e-003	0.3262	0.0860	1.8900e-003	0.0879		278.1039	278.1039	5.6100e-003		278.2441
Total	0.1413	1.0364	1.0535	5.4100e-003	0.3944	4.0000e-003	0.3984	0.1062	3.7400e-003	0.1099		563.6521	563.6521	0.0291		564.3802

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821
Unmitigated	0.6581	2.5535	9.6278	0.0424	4.5308	0.0301	4.5609	1.2115	0.0279	1.2395		4,318.5338	4,318.5338	0.1659		4,322.6821

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	482.32	91.34	47.06	1,613,171	1,613,171
Total	482.32	91.34	47.06	1,613,171	1,613,171

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
NaturalGas Unmitigated	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3962.41	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	3.96241	0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362
Total		0.0427	0.3885	0.3263	2.3300e-003		0.0295	0.0295		0.0295	0.0295		466.1660	466.1660	8.9300e-003	8.5500e-003	468.9362

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Total	1.5491	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 8-9 Alt1 Mitigation - Orange County, Summer

**JWA Phase 8-9 Alt1 Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	34.50	1000sqft	0.79	34,497.00	0
Other Non-Asphalt Surfaces	6.72	1000sqft	0.15	6,723.00	0
Other Non-Asphalt Surfaces	111.09	1000sqft	2.55	111,087.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - * Defined in project schedule and ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	9138	3941
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	78.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	8.00	36.00
tblConstructionPhase	NumDays	18.00	36.00
tblConstructionPhase	NumDays	18.00	42.00
tblConstructionPhase	NumDays	18.00	28.00
tblLandUse	LandUseSquareFeet	34,500.00	34,497.00
tblLandUse	LandUseSquareFeet	111,090.00	111,087.00
tblLandUse	LandUseSquareFeet	6,720.00	6,723.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2023	5.1910	50.6579	48.9615	0.1035	10.8031	2.2162	13.0193	4.1083	2.0511	6.1593	0.0000	10,172.4933	10,172.4933	2.6863	0.0000	10,239.6504
Maximum	5.1910	50.6579	48.9615	0.1035	10.8031	2.2162	13.0193	4.1083	2.0511	6.1593	0.0000	10,172.4933	10,172.4933	2.6863	0.0000	10,239.6504

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.3379	7.3283	56.9419	0.1035	4.7217	0.1474	4.8691	1.7385	0.1469	1.8855	0.0000	10,172.4933	10,172.4933	2.6863	0.0000	10,239.6504
Maximum	1.3379	7.3283	56.9419	0.1035	4.7217	0.1474	4.8691	1.7385	0.1469	1.8855	0.0000	10,172.4933	10,172.4933	2.6863	0.0000	10,239.6504

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	74.23	85.53	-16.30	0.00	56.29	93.35	62.60	57.68	92.84	69.39	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.4268	0.5185	1.9140	7.8700e-003	0.7538	7.1600e-003	0.7609	0.2016	6.7800e-003	0.2084		814.8257	814.8257	0.0307	5.4000e-004	815.7542

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Total	0.4268	0.5185	1.9140	7.8700e-003	0.7538	7.1600e-003	0.7609	0.2016	6.7800e-003	0.2084		814.8257	814.8257	0.0307	5.4000e-004	815.7542

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 8	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 8	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 8	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9	Building Construction	6/1/2023	9/18/2023	5	78	
6	Construction of Park Spaces / Lighting - 9	Paving	9/18/2023	11/14/2023	5	42	

7	Misc Concrete - 9	Paving	11/14/2023	12/21/2023	5	28
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 8	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 8	Excavators	3	8.00	158	0.38
Demolition - 8	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 8	Tractors/Loaders/Backhoes	0		97	0.37
Construction Trench Drains and Site Utilities - 8	Excavators	1	8.00	158	0.38
Construction Trench Drains and Site Utilities - 8	Graders	1	8.00	187	0.41
Construction Trench Drains and Site Utilities - 8	Rubber Tired Dozers	1	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Concrete - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Concrete - 8	Graders	0		187	0.41
Concrete - 8	Pavers	1	8.00	130	0.42
Concrete - 8	Paving Equipment	2	6.00	132	0.36
Concrete - 8	Rollers	2	6.00	80	0.38
Concrete - 8	Rubber Tired Dozers	0		247	0.40
Concrete - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9	Cranes	0		231	0.29
Demolition - 9	Excavators	3	8.00	158	0.38
Demolition - 9	Forklifts	0		89	0.20
Demolition - 9	Generator Sets	0		84	0.74
Demolition - 9	Rubber Tired Dozers	2	8.00	247	0.40

Demolition - 9	Tractors/Loaders/Backhoes	0		97	0.37
Demolition - 9	Welders	0		46	0.45
Construction of Flight School Office - 9	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9	Cranes	1	7.00	231	0.29
Construction of Flight School Office - 9	Forklifts	3	8.00	89	0.20
Construction of Flight School Office - 9	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9	Pavers	0		130	0.42
Construction of Flight School Office - 9	Paving Equipment	0		132	0.36
Construction of Flight School Office - 9	Rollers	0		80	0.38
Construction of Flight School Office - 9	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Flight School Office - 9	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc Concrete - 9	Cement and Mortar Mixers	2	6.00	9	0.56
Misc Concrete - 9	Pavers	1	8.00	130	0.42
Misc Concrete - 9	Paving Equipment	2	6.00	132	0.36
Misc Concrete - 9	Rollers	2	6.00	80	0.38
Misc Concrete - 9	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 8	6	15.00	0.00	505.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 8	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9	6	15.00	0.00	243.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Flight School Office - 9	9	67.00	27.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4172	0.0000	3.4172	0.5174	0.0000	0.5174			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	3.4172	0.9975	4.4147	0.5174	0.9280	1.4454		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0740	2.3575	1.0552	0.0112	0.2747	4.6100e-003	0.2793	0.0752	4.4100e-003	0.0796		1,260.2632	1,260.2632	0.1313		1,263.5450
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003	146.2070
Total	0.1224	2.3844	1.4517	0.0127	0.4424	5.6600e-003	0.4481	0.1197	5.3700e-003	0.1250		1,406.4006	1,406.4006	0.1341	1,409.7520

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3327	0.0000	1.3327	0.2018	0.0000	0.2018			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	1.3327	0.0616	1.3943	0.2018	0.0616	0.2634	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0740	2.3575	1.0552	0.0112	0.2747	4.6100e-003	0.2793	0.0752	4.4100e-003	0.0796		1,260.2632	1,260.2632	0.1313		1,263.5450
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.1224	2.3844	1.4517	0.0127	0.4424	5.6600e-003	0.4481	0.1197	5.3700e-003	0.1250		1,406.4006	1,406.4006	0.1341		1,409.7520

3.3 Construction Trench Drains and Site Utilities - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.5523	0.7749	7.3273	3.3675	0.7129	4.0804		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	0.3632	1.5737	17.7527	0.0297	2.5554	0.0484	2.6038	1.3133	0.0484	1.3617	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

3.4 Concrete - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2769	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

3.5 Demolition - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					1.6401	0.0000	1.6401	0.2483	0.0000	0.2483			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.6401	0.9975	2.6376	0.2483	0.9280	1.1763		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0356	1.1344	0.5077	5.3900e-003	0.1322	2.2200e-003	0.1344	0.0362	2.1200e-003	0.0383		606.4237	606.4237	0.0632		608.0028
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070

Total	0.0841	1.1613	0.9043	6.8500e-003	0.2999	3.2700e-003	0.3031	0.0807	3.0800e-003	0.0837		752.5611	752.5611	0.0660		754.2099
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6396	0.0000	0.6396	0.0968	0.0000	0.0968			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	0.6396	0.0616	0.7013	0.0968	0.0616	0.1585	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0356	1.1344	0.5077	5.3900e-003	0.1322	2.2200e-003	0.1344	0.0362	2.1200e-003	0.0383		606.4237	606.4237	0.0632		608.0028
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0270	0.3966	1.4600e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		146.1374	146.1374	2.7800e-003		146.2070
Total	0.0841	1.1613	0.9043	6.8500e-003	0.2999	3.2700e-003	0.3031	0.0807	3.0800e-003	0.0837		752.5611	752.5611	0.0660		754.2099

3.6 Construction of Flight School Office - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0516	1.8087	0.6191	6.3700e-003	0.1725	2.1800e-003	0.1747	0.0496	2.0800e-003	0.0517		696.7797	696.7797	0.0513		698.0609
Worker	0.2164	0.1204	1.7713	6.5400e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		652.7472	652.7472	0.0124		653.0581
Total	0.2680	1.9291	2.3903	0.0129	0.9214	6.8500e-003	0.9282	0.2483	6.3800e-003	0.2546		1,349.5268	1,349.5268	0.0637		1,351.1189

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0516	1.8087	0.6191	6.3700e-003	0.1725	2.1800e-003	0.1747	0.0496	2.0800e-003	0.0517		696.7797	696.7797	0.0513		698.0609
Worker	0.2164	0.1204	1.7713	6.5400e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		652.7472	652.7472	0.0124		653.0581
Total	0.2680	1.9291	2.3903	0.0129	0.9214	6.8500e-003	0.9282	0.2483	6.3800e-003	0.2546		1,349.5268	1,349.5268	0.0637		1,351.1189

3.7 Construction of Park Spaces / Lighting - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2687	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

3.8 Misc Concrete - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2934	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427
Total	0.0646	0.0359	0.5287	1.9500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		194.8499	194.8499	3.7100e-003		194.9427

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812
Unmitigated	0.1402	0.4938	1.8768	7.7200e-003	0.7538	5.2300e-003	0.7590	0.2016	4.8500e-003	0.2064		785.3301	785.3301	0.0301		786.0812

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Unmitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 8-9 Alt1 Mitigation - Orange County, Winter

**JWA Phase 8-9 Alt1 Mitigation
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	10.00	1000sqft	0.23	10,000.00	0
Other Asphalt Surfaces	34.50	1000sqft	0.79	34,497.00	0
Other Non-Asphalt Surfaces	6.72	1000sqft	0.15	6,723.00	0
Other Non-Asphalt Surfaces	111.09	1000sqft	2.55	111,087.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment - * Defined project schedule and ROM estimate

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - * Defined in project schedule and ROM estimate

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	9138	3941
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	78.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	8.00	36.00
tblConstructionPhase	NumDays	18.00	36.00
tblConstructionPhase	NumDays	18.00	42.00
tblConstructionPhase	NumDays	18.00	28.00
tblLandUse	LandUseSquareFeet	34,500.00	34,497.00
tblLandUse	LandUseSquareFeet	111,090.00	111,087.00
tblLandUse	LandUseSquareFeet	6,720.00	6,723.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2023	5.2152	50.6787	48.8916	0.1031	10.8031	2.2164	13.0195	4.1083	2.0512	6.1595	0.0000	10,127.3899	10,127.3899	2.6881	0.0000	10,194.5919
Maximum	5.2152	50.6787	48.8916	0.1031	10.8031	2.2164	13.0195	4.1083	2.0512	6.1595	0.0000	10,127.3899	10,127.3899	2.6881	0.0000	10,194.5919

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.3621	7.3382	56.8720	0.1031	4.7217	0.1476	4.8693	1.7385	0.1471	1.8856	0.0000	10,127.3899	10,127.3899	2.6881	0.0000	10,194.5919
Maximum	1.3621	7.3382	56.8720	0.1031	4.7217	0.1476	4.8693	1.7385	0.1471	1.8856	0.0000	10,127.3899	10,127.3899	2.6881	0.0000	10,194.5919

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	73.88	85.52	-16.32	0.00	56.29	93.34	62.60	57.68	92.83	69.39	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.4241	0.5318	1.8282	7.5300e-003	0.7538	7.1800e-003	0.7610	0.2016	6.8000e-003	0.2084		780.5889	780.5889	0.0306	5.4000e-004	781.5153

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Energy	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Mobile	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Total	0.4241	0.5318	1.8282	7.5300e-003	0.7538	7.1800e-003	0.7610	0.2016	6.8000e-003	0.2084		780.5889	780.5889	0.0306	5.4000e-004	781.5153

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 8	Demolition	1/9/2023	2/21/2023	5	32	
2	Construction Trench Drains and Site Utilities - 8	Grading	2/21/2023	4/11/2023	5	36	
3	Concrete - 8	Paving	2/21/2023	4/11/2023	5	36	
4	Demolition - 9	Demolition	4/19/2023	6/1/2023	5	32	
5	Construction of Flight School Office - 9	Building Construction	6/1/2023	9/18/2023	5	78	
6	Construction of Park Spaces / Lighting - 9	Paving	9/18/2023	11/14/2023	5	42	

7	Misc Concrete - 9	Paving	11/14/2023	12/21/2023	5	28
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.49

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 8	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 8	Excavators	3	8.00	158	0.38
Demolition - 8	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 8	Tractors/Loaders/Backhoes	0		97	0.37
Construction Trench Drains and Site Utilities - 8	Excavators	1	8.00	158	0.38
Construction Trench Drains and Site Utilities - 8	Graders	1	8.00	187	0.41
Construction Trench Drains and Site Utilities - 8	Rubber Tired Dozers	1	8.00	247	0.40
Construction Trench Drains and Site Utilities - 8	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Concrete - 8	Cement and Mortar Mixers	2	6.00	9	0.56
Concrete - 8	Graders	0		187	0.41
Concrete - 8	Pavers	1	8.00	130	0.42
Concrete - 8	Paving Equipment	2	6.00	132	0.36
Concrete - 8	Rollers	2	6.00	80	0.38
Concrete - 8	Rubber Tired Dozers	0		247	0.40
Concrete - 8	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - 9	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 9	Cranes	0		231	0.29
Demolition - 9	Excavators	3	8.00	158	0.38
Demolition - 9	Forklifts	0		89	0.20
Demolition - 9	Generator Sets	0		84	0.74
Demolition - 9	Rubber Tired Dozers	2	8.00	247	0.40

Demolition - 9	Tractors/Loaders/Backhoes	0		97	0.37
Demolition - 9	Welders	0		46	0.45
Construction of Flight School Office - 9	Cement and Mortar Mixers	0		9	0.56
Construction of Flight School Office - 9	Cranes	1	7.00	231	0.29
Construction of Flight School Office - 9	Forklifts	3	8.00	89	0.20
Construction of Flight School Office - 9	Generator Sets	1	8.00	84	0.74
Construction of Flight School Office - 9	Pavers	0		130	0.42
Construction of Flight School Office - 9	Paving Equipment	0		132	0.36
Construction of Flight School Office - 9	Rollers	0		80	0.38
Construction of Flight School Office - 9	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Flight School Office - 9	Welders	1	8.00	46	0.45
Construction of Park Spaces / Lighting	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc Concrete - 9	Cement and Mortar Mixers	2	6.00	9	0.56
Misc Concrete - 9	Pavers	1	8.00	130	0.42
Misc Concrete - 9	Paving Equipment	2	6.00	132	0.36
Misc Concrete - 9	Rollers	2	6.00	80	0.38
Misc Concrete - 9	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 8	6	15.00	0.00	505.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Trench Drains and Site Concrete - 8	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - 9	6	15.00	0.00	243.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Construction of Flight School Office - 9	9	67.00	27.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc Concrete - 9	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4172	0.0000	3.4172	0.5174	0.0000	0.5174			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	3.4172	0.9975	4.4147	0.5174	0.9280	1.4454		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0758	2.3694	1.0912	0.0110	0.2747	4.7700e-003	0.2795	0.0752	4.5600e-003	0.0798		1,241.2053	1,241.2053	0.1336		1,244.5449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003	138.3895
Total	0.1310	2.3990	1.4560	0.0124	0.4424	5.8200e-003	0.4482	0.1197	5.5200e-003	0.1252		1,379.5291	1,379.5291	0.1362	1,382.9344

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3327	0.0000	1.3327	0.2018	0.0000	0.2018			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	1.3327	0.0616	1.3943	0.2018	0.0616	0.2634	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0758	2.3694	1.0912	0.0110	0.2747	4.7700e-003	0.2795	0.0752	4.5600e-003	0.0798		1,241.2053	1,241.2053	0.1336		1,244.5449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.1310	2.3990	1.4560	0.0124	0.4424	5.8200e-003	0.4482	0.1197	5.5200e-003	0.1252		1,379.5291	1,379.5291	0.1362		1,382.9344

3.3 Construction Trench Drains and Site Utilities - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.5523	0.7749	7.3273	3.3675	0.7129	4.0804		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	0.3632	1.5737	17.7527	0.0297	2.5554	0.0484	2.6038	1.3133	0.0484	1.3617	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895
Total	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

3.4 Concrete - 8 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9756	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122
Paving	0.0575					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2769	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

3.5 Demolition - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					1.6401	0.0000	1.6401	0.2483	0.0000	0.2483			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.6401	0.9975	2.6376	0.2483	0.9280	1.1763		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0365	1.1402	0.5251	5.3100e-003	0.1322	2.2900e-003	0.1345	0.0362	2.1900e-003	0.0384		597.2532	597.2532	0.0643		598.8602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003		138.3895

Total	0.0916	1.1698	0.8899	6.7000e-003	0.2999	3.3400e-003	0.3032	0.0807	3.1500e-003	0.0838		735.5770	735.5770	0.0669		737.2497
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.6396	0.0000	0.6396	0.0968	0.0000	0.0968			0.0000				0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.9840	3,746.9840	1.0494			3,773.2183
Total	0.4623	2.0032	23.2798	0.0388	0.6396	0.0616	0.7013	0.0968	0.0616	0.1585	0.0000	3,746.9840	3,746.9840	1.0494			3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0365	1.1402	0.5251	5.3100e-003	0.1322	2.2900e-003	0.1345	0.0362	2.1900e-003	0.0384		597.2532	597.2532	0.0643			598.8602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0552	0.0296	0.3648	1.3900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		138.3238	138.3238	2.6300e-003			138.3895
Total	0.0916	1.1698	0.8899	6.7000e-003	0.2999	3.3400e-003	0.3032	0.0807	3.1500e-003	0.0838		735.5770	735.5770	0.0669			737.2497

3.6 Construction of Flight School Office - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0542	1.7983	0.6677	6.2200e-003	0.1725	2.3100e-003	0.1748	0.0496	2.2100e-003	0.0519		679.8850	679.8850	0.0534		681.2190
Worker	0.2464	0.1322	1.6294	6.1900e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		617.8461	617.8461	0.0118		618.1398
Total	0.3006	1.9305	2.2971	0.0124	0.9214	6.9800e-003	0.9284	0.2483	6.5100e-003	0.2548		1,297.7311	1,297.7311	0.0651		1,299.3588

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0542	1.7983	0.6677	6.2200e-003	0.1725	2.3100e-003	0.1748	0.0496	2.2100e-003	0.0519		679.8850	679.8850	0.0534		681.2190
Worker	0.2464	0.1322	1.6294	6.1900e-003	0.7489	4.6700e-003	0.7536	0.1986	4.3000e-003	0.2029		617.8461	617.8461	0.0118		618.1398
Total	0.3006	1.9305	2.2971	0.0124	0.9214	6.9800e-003	0.9284	0.2483	6.5100e-003	0.2548		1,297.7311	1,297.7311	0.0651		1,299.3588

3.7 Construction of Park Spaces / Lighting - 9 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9674	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003			184.5194

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122
Paving	0.0493					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2687	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673			1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606	184.4317	184.4317	3.5100e-003	184.5194		
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

3.8 Misc Concrete - 9 - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9920	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606	184.4317	184.4317	3.5100e-003	184.5194		

Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0739					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2934	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194
Total	0.0736	0.0395	0.4864	1.8500e-003	0.2236	1.3900e-003	0.2250	0.0593	1.2800e-003	0.0606		184.4317	184.4317	3.5100e-003		184.5194

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423
Unmitigated	0.1376	0.5071	1.7910	7.3800e-003	0.7538	5.2500e-003	0.7590	0.2016	4.8700e-003	0.2064		751.0932	751.0932	0.0300		751.8423

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	110.30	24.60	10.50	269,958	269,958
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	110.30	24.60	10.50	269,958	269,958

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

Other Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877
Other Non-Asphalt Surfaces	0.565244	0.042904	0.209304	0.108392	0.014546	0.005773	0.026273	0.017831	0.001792	0.001509	0.004953	0.000602	0.000877

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
NaturalGas Unmitigated	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	250.411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
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Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.250411	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4601	29.4601	5.6000e-004	5.4000e-004	29.6352

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Unmitigated	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378
Total	0.2839	1.5000e-004	0.0166	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	9.0000e-005		0.0378

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 ALT1 - Orange County, Summer

**JWA Phase 10 ALT1
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblSolidWaste	SolidWasteGenerationRate	63.24	59.92
tblWater	IndoorWaterUseRate	11,793,750.00	11,174,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5984	17.0171	14.9988	0.0381	5.2115	0.6828	5.8943	0.9265	0.6386	1.5651	0.0000	3,881.2371	3,881.2371	0.7407	0.0000	3,899.7537
2024	5.5844	52.7793	51.9415	0.1138	11.9653	2.1502	14.1155	4.3665	2.0087	6.3752	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051
Maximum	5.5844	52.7793	51.9415	0.1138	11.9653	2.1502	14.1155	4.3665	2.0087	6.3752	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.4070	3.9166	16.2596	0.0381	2.8478	0.0436	2.8914	0.5686	0.0433	0.6119	0.0000	3,881.2371	3,881.2371	0.7407	0.0000	3,899.7537
2024	1.4768	11.2410	57.4814	0.1138	5.6047	0.1474	5.7521	1.9545	0.1466	2.1011	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051

Maximum	1.4768	11.2410	57.4814	0.1138	5.6047	0.1474	5.7521	1.9545	0.1466	2.1011	0.0000	11,136.8577	11,136.8577	2.4059	0.0000	11,197.0051
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	73.77	78.28	-10.16	0.00	50.79	93.26	56.80	52.33	92.83	65.83	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279
Total	1.6928	2.1116	7.7620	0.0344	3.3392	0.0440	3.3831	0.8929	0.0423	0.9352		3,668.9412	3,668.9412	0.1297	6.3000e-003	3,674.0610

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279

Total	1.6928	2.1116	7.7620	0.0344	3.3392	0.0440	3.3831	0.8929	0.0423	0.9352		3,668.9412	3,668.9412	0.1297	6.3000e-003	3,674.0610
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator-Drum Storage Area - 10	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator-Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator-Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator-Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20

Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	591.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	54.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8750	0.6766	4.5516	0.5867	0.6328	1.2195		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0839	2.6754	1.1975	0.0127	1.1912	5.2300e-003	1.1965	0.3012	5.0000e-003	0.3062		1,430.1888	1,430.1888	0.1490		1,433.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1259	2.6987	1.5412	0.0140	1.3366	6.1400e-003	1.3427	0.3398	5.8300e-003	0.3456		1,556.8413	1,556.8413	0.1514		1,560.6259

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0839	2.6754	1.1975	0.0127	1.1912	5.2300e-003	1.1965	0.3012	5.0000e-003	0.3062		1,430.1888	1,430.1888	0.1490		1,433.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	0.1259	2.6987	1.5412	0.0140	1.3366	6.1400e-003	1.3427	0.3398	5.8300e-003	0.3456		1,556.8413	1,556.8413	0.1514		1,560.6259

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8750	0.6311	4.5061	0.5867	0.5895	1.1762		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0824	2.6086	1.2112	0.0126	0.3755	5.1300e-003	0.3807	0.1010	4.9100e-003	0.1059		1,418.0487	1,418.0487	0.1488		1,421.7696
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		121.6336	121.6336	2.1900e-003		121.6884
Total	0.1223	2.6299	1.5311	0.0138	0.5208	6.0200e-003	0.5269	0.1395	5.7300e-003	0.1453		1,539.6823	1,539.6823	0.1510		1,543.4580

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0824	2.6086	1.2112	0.0126	0.3755	5.1300e-003	0.3807	0.1010	4.9100e-003	0.1059	1,418.0487	1,418.0487	0.1488	1,421.7966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0399	0.0213	0.3199	1.2200e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394	121.6336	121.6336	2.1900e-003	121.6884	
Total	0.1223	2.6299	1.5311	0.0138	0.5208	6.0200e-003	0.5269	0.1395	5.7300e-003	0.1453	1,539.6823	1,539.6823	0.1510	1,543.4580	

3.3 Construction of Waste Oil Separator-Drum Storage Area - Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	6.5523	0.5722	7.1246	3.3675	0.5265	3.8939		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1658	0.0883	1.3289	5.0600e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		505.2472	505.2472	9.1000e-003		505.4748
Total	0.2045	1.4775	1.8004	9.9700e-003	0.7378	5.3600e-003	0.7431	0.1987	4.9900e-003	0.2037		1,042.8820	1,042.8820	0.0484		1,044.0911

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0387	1.3892	0.4715	4.9100e-003	0.1342	1.6600e-003	0.1358	0.0386	1.5800e-003	0.0402		537.6348	537.6348	0.0393		538.6163
Worker	0.1658	0.0883	1.3289	5.0600e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		505.2472	505.2472	9.1000e-003		505.4748
Total	0.2045	1.4775	1.8004	9.9700e-003	0.7378	5.3600e-003	0.7431	0.1987	4.9900e-003	0.2037		1,042.8820	1,042.8820	0.0484		1,044.0911

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003	140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003	140.4097

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279
Unmitigated	0.4943	1.8252	7.5084	0.0327	3.3392	0.0221	3.3613	0.8929	0.0205	0.9134		3,325.3514	3,325.3514	0.1231		3,328.4279

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	355.47	67.32	34.68	1,188,898	1,188,898
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	355.47	67.32	34.68	1,188,898	1,188,898

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
NaturalGas Unmitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2920.27	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.92027	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Unmitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 10 ALT1 - Orange County, Winter

JWA Phase 10 ALT1
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	51.00	1000sqft	1.17	51,000.00	0
Other Non-Asphalt Surfaces	77.40	1000sqft	1.78	77,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and ROM estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule in RON estimate

Trips and VMT -

Demolition -

tblConstructionPhase	NumDays	220.00	76.00
tblConstructionPhase	NumDays	20.00	33.00
tblConstructionPhase	NumDays	6.00	56.00
tblConstructionPhase	NumDays	10.00	26.00
tblSolidWaste	SolidWasteGenerationRate	63.24	59.92
tblWater	IndoorWaterUseRate	11,793,750.00	11,174,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6063	17.0330	15.0121	0.0379	5.2115	0.6830	5.8945	0.9265	0.6388	1.5652	0.0000	3,852.8378	3,852.8378	0.7432	0.0000	3,871.4166
2024	5.6286	52.7993	51.8347	0.1130	11.9653	2.1505	14.1158	4.3665	2.0089	6.3754	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725
Maximum	5.6286	52.7993	51.8347	0.1130	11.9653	2.1505	14.1158	4.3665	2.0089	6.3754	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.4149	3.9325	16.2729	0.0379	2.8478	0.0438	2.8916	0.5686	0.0435	0.6121	0.0000	3,852.8378	3,852.8378	0.7432	0.0000	3,871.4166
2024	1.5209	11.2611	57.3746	0.1130	5.6047	0.1477	5.7523	1.9545	0.1469	2.1013	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725

Maximum	1.5209	11.2611	57.3746	0.1130	5.6047	0.1477	5.7523	1.9545	0.1469	2.1013	0.0000	11,056.5466	11,056.5466	2.4090	0.0000	11,116.7725
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	73.24	78.24	-10.17	0.00	50.79	93.24	56.80	52.33	92.81	65.83	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Total	1.6835	2.1683	7.3492	0.0330	3.3392	0.0440	3.3832	0.8929	0.0424	0.9353		3,526.3242	3,526.3242	0.1289	6.3000e-003	3,531.4249

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Energy	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Mobile	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918

Total	1.6835	2.1683	7.3492	0.0330	3.3392	0.0440	3.3832	0.8929	0.0424	0.9353		3,526.324 2	3,526.3242	0.1289	6.3000e- 003	3,531.424 9
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 10	Demolition	12/21/2023	2/5/2024	5	33	
2	Construction of Waste Oil Separator-Drum Storage Area - 10	Grading	2/5/2024	4/22/2024	5	56	
3	Construction of T-Hangars and Apron Paving - 10	Building Construction	2/5/2024	5/20/2024	5	76	
4	Misc. Concrete - 10	Paving	2/5/2024	3/11/2024	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 10	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 10	Rubber Tired Dozers	1	8.00	247	0.40
Demolition - 10	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction of Waste Oil Separator-Drum Storage Area - 10	Graders	1	8.00	187	0.41
Construction of Waste Oil Separator-Drum Storage Area - 10	Rubber Tired Dozers	1	8.00	247	0.40
Construction of Waste Oil Separator-Drum Storage Area - 10	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Cranes	1	8.00	231	0.29
Construction of T-Hangars and Apron Paving - 10	Forklifts	2	7.00	89	0.20

Construction of T-Hangars and Apron Paving - 10	Generator Sets	1	8.00	84	0.74
Construction of T-Hangars and Apron Paving - 10	Graders	0		187	0.41
Construction of T-Hangars and Apron Paving - 10	Scrapers	0		367	0.48
Construction of T-Hangars and Apron Paving - 10	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Construction of T-Hangars and Apron Paving - 10	Welders	3	8.00	46	0.45
Misc. Concrete - 10	Cement and Mortar Mixers	1	8.00	9	0.56
Misc. Concrete - 10	Cranes	0		231	0.29
Misc. Concrete - 10	Forklifts	0		89	0.20
Misc. Concrete - 10	Generator Sets	0		84	0.74
Misc. Concrete - 10	Pavers	1	8.00	130	0.42
Misc. Concrete - 10	Paving Equipment	1	8.00	132	0.36
Misc. Concrete - 10	Rollers	2	8.00	80	0.38
Misc. Concrete - 10	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 10	Welders	0		46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 10	5	13.00	0.00	591.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Waste Oil Separator Drum	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of T-Hangars and Apron	8	54.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 10	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 10 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	1.4725	14.3184	13.4577	0.0241	3.8750	0.6766	4.5516	0.5867	0.6328	1.2195		2,324.3959	2,324.3959	0.5893		2,339.1278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0860	2.6889	1.2383	0.0125	1.1912	5.4100e-003	1.1966	0.3012	5.1700e-003	0.3064		1,408.5613	1,408.5613	0.1516		1,412.3512
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.1338	2.7146	1.5544	0.0137	1.3366	6.3200e-003	1.3429	0.3398	6.0000e-003	0.3458		1,528.4419	1,528.4419	0.1539		1,532.2888

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0860	2.6889	1.2383	0.0125	1.1912	5.4100e-003	1.1966	0.3012	5.1700e-003	0.3064		1,408.5613	1,408.5613	0.1516		1,412.3512
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	0.1338	2.7146	1.5544	0.0137	1.3366	6.3200e-003	1.3429	0.3398	6.0000e-003	0.3458		1,528.4419	1,528.4419	0.1539		1,532.2888

3.2 Demolition - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.8750	0.0000	3.8750	0.5867	0.0000	0.5867			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	3.8750	0.6311	4.5061	0.5867	0.5895	1.1762		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0845	2.6217	1.2511	0.0124	0.3755	5.2900e-003	0.3808	0.1010	5.0600e-003	0.1061		1,396.7242	1,396.7242	0.1513		1,400.5066
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394		115.1314	115.1314	2.0700e-003		115.1831
Total	0.1300	2.6451	1.5451	0.0136	0.5208	6.1800e-003	0.5270	0.1395	5.8800e-003	0.1454		1,511.8556	1,511.8556	0.1534		1,515.6897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5112	0.0000	1.5112	0.2288	0.0000	0.2288			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	0.2811	1.2179	14.7184	0.0241	1.5112	0.0375	1.5487	0.2288	0.0375	0.2663	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0845	2.6217	1.2511	0.0124	0.3755	5.2900e-003	0.3808	0.1010	5.0600e-003	0.1061	1,396.7242	1,396.7242	0.1513	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0456	0.0234	0.2940	1.1500e-003	0.1453	8.9000e-004	0.1462	0.0385	8.2000e-004	0.0394	115.1314	115.1314	2.0700e-003		115.1831
Total	0.1300	2.6451	1.5451	0.0136	0.5208	6.1800e-003	0.5270	0.1395	5.8800e-003	0.1454	1,511.8556	1,511.8556	0.1534		1,515.6897

3.3 Construction of Waste Oil Separator-Drum Storage Area - Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	1.3015	13.8178	8.6998	0.0206	6.5523	0.5722	7.1246	3.3675	0.5265	3.8939		1,995.5803	1,995.5803	0.6454		2,011.7155

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	0.2522	1.0927	10.9071	0.0206	2.5554	0.0336	2.5890	1.3133	0.0336	1.3469	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024

3.4 Construction of T-Hangars and Apron Paving - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1894	0.0970	1.2212	4.7900e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		478.2381	478.2381	8.5900e-003		478.4529
Total	0.2301	1.4784	1.7294	9.5800e-003	0.7378	5.4500e-003	0.7432	0.1987	5.0800e-003	0.2038		1,002.9020	1,002.9020	0.0494		1,004.1369

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	0.3296	3.8705	14.9355	0.0250		0.0352	0.0352		0.0352	0.0352	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0407	1.3814	0.5082	4.7900e-003	0.1342	1.7500e-003	0.1359	0.0386	1.6700e-003	0.0403		524.6639	524.6639	0.0408		525.6841
Worker	0.1894	0.0970	1.2212	4.7900e-003	0.6036	3.7000e-003	0.6073	0.1601	3.4100e-003	0.1635		478.2381	478.2381	8.5900e-003		478.4529
Total	0.2301	1.4784	1.7294	9.5800e-003	0.7378	5.4500e-003	0.7432	0.1987	5.0800e-003	0.2038		1,002.9020	1,002.9020	0.0494		1,004.1369

3.5 Misc. Concrete - 10 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652		1,710.2024	1,710.2024	0.5420		1,723.7529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003			132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003			132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420			1,723.7529
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.2104	0.9117	12.9737	0.0179		0.0281	0.0281		0.0281	0.0281	0.0000	1,710.2024	1,710.2024	0.5420			1,723.7529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454	132.8439	132.8439	2.3900e-003		132.9036	
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003	132.9036	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
	lb/day										Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918
Unmitigated	0.4850	1.8819	7.0956	0.0312	3.3392	0.0222	3.3614	0.8929	0.0206	0.9135		3,182.7345	3,182.7345	0.1223		3,185.7918

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	355.47	67.32	34.68	1,188,898	1,188,898
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	355.47	67.32	34.68	1,188,898	1,188,898

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
NaturalGas Unmitigated	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2920.27	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.92027	0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0315	0.2863	0.2405	1.7200e-003		0.0218	0.0218		0.0218	0.0218		343.5616	343.5616	6.5800e-003	6.3000e-003	345.6033

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Unmitigated	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0372					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299
Total	1.1670	1.2000e-004	0.0131	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0281	0.0281	7.0000e-005		0.0299

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 ALT1 Mitigated - Orange County, Summer

**JWA Phase 11 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	76.00	1000sqft	1.74	76,000.00	0
Other Non-Asphalt Surfaces	96.69	1000sqft	2.22	96,687.00	0
Parking Lot	33.60	1000sqft	0.77	33,597.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined by project schedule and RON estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Grading -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	38000	34772
tblAreaCoating	Area_Nonresidential_Interior	114000	104316
tblAreaCoating	Area_Parking	7817	1155
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	126.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	18.00	26.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	96,690.00	96,687.00
tblLandUse	LandUseSquareFeet	33,600.00	33,597.00
tblSolidWaste	SolidWasteGenerationRate	94.24	86.23
tblTripsAndVMT	HaulingTripNumber	705.00	0.00
tblWater	IndoorWaterUseRate	17,575,000.00	16,081,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.0912	36.7379	44.4975	0.0847	5.4830	1.5832	7.0662	0.9896	1.4781	2.4676	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626
2025	1.6837	14.8203	18.8379	0.0427	1.1897	0.5361	1.7257	0.3204	0.5042	0.8246	0.0000	4,202.6306	4,202.6306	0.6771	0.0000	4,219.5578

Maximum	4.0912	36.7379	44.4975	0.0847	5.4830	1.5832	7.0662	0.9896	1.4781	2.4676	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.3500	6.6540	48.4136	0.0847	2.9664	0.1121	3.0785	0.6085	0.1114	0.7199	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626
2025	0.6441	4.5853	20.2135	0.0427	1.1897	0.0493	1.2390	0.3204	0.0487	0.3691	0.0000	4,202.6306	4,202.6306	0.6771	0.0000	4,219.5578
Maximum	1.3500	6.6540	48.4136	0.0847	2.9664	0.1121	3.0785	0.6085	0.1114	0.7199	0.0000	8,225.6629	8,225.6629	1.8240	0.0000	8,271.2626

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	65.47	78.20	-8.36	0.00	37.72	92.38	50.89	29.09	91.92	66.92	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Total	2.5144	3.1468	11.5684	0.0512	4.9760	0.0655	5.0415	1.3306	0.0631	1.3937		5,467.4450	5,467.4450	0.1933	9.3900e-003	5,475.0748

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Total	2.5144	3.1468	11.5684	0.0512	4.9760	0.0655	5.0415	1.3306	0.0631	1.3937		5,467.4450	5,467.4450	0.1933	9.3900e-003	5,475.0748

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of FBO Hangars - 11	Building Construction	7/29/2024	1/20/2025	5	126	
3	Misc. Concrete - 11	Paving	9/24/2024	10/29/2024	5	26	
4	Construction of Park Spaces / Lighting - 11	Paving	10/29/2024	12/19/2024	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Excavators	3	8.00	158	0.38
Demolition - 11	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	0		97	0.37
Construction of FBO Hangars - 11	Cranes	1	7.00	231	0.29
Construction of FBO Hangars - 11	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars - 11	Graders	0		187	0.41
Construction of FBO Hangars - 11	Scrapers	0		367	0.48
Construction of FBO Hangars - 11	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars - 11	Welders	1	8.00	46	0.45
Misc. Concrete - 11	Cement and Mortar Mixers	2	6.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	2	6.00	132	0.36
Misc. Concrete - 11	Rollers	2	6.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45
Construction of Park Spaces / Lighting 11	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting 11	Graders	0		187	0.41
Construction of Park Spaces / Lighting 11	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting 11	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting 11	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting 11	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars - 11	9	87.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1257	0.0000	4.1257	0.6247	0.0000	0.6247			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	4.1257	0.9602	5.0859	0.6247	0.8922	1.5169		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6090	0.0000	1.6090	0.2436	0.0000	0.2436			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	0.4623	2.0032	23.2798	0.0388	1.6090	0.0616	1.6707	0.2436	0.0616	0.3053	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097

Total	0.0461	0.0245	0.3691	1.4100e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		140.3465	140.3465	2.5300e-003		140.4097
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3.3 Construction of FBO Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0627	2.2492	0.7634	7.9400e-003	0.2172	2.6800e-003	0.2199	0.0625	2.5700e-003	0.0651		870.4563	870.4563	0.0636		872.0454
Worker	0.2671	0.1423	2.1410	8.1600e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		814.0094	814.0094	0.0147		814.3760
Total	0.3298	2.3915	2.9044	0.0161	1.1897	8.6400e-003	1.1983	0.3204	8.0600e-003	0.3285		1,684.4658	1,684.4658	0.0782		1,686.4214

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0627	2.2492	0.7634	7.9400e-003	0.2172	2.6800e-003	0.2199	0.0625	2.5700e-003	0.0651		870.4563	870.4563	0.0636		872.0454
Worker	0.2671	0.1423	2.1410	8.1600e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		814.0094	814.0094	0.0147		814.3760
Total	0.3298	2.3915	2.9044	0.0161	1.1897	8.6400e-003	1.1983	0.3204	8.0600e-003	0.3285		1,684.4658	1,684.4658	0.0782		1,686.4214

3.3 Construction of FBO Hangars - 11 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0611	2.2200	0.7546	7.8900e-003	0.2172	2.6300e-003	0.2198	0.0625	2.5100e-003	0.0650		865.0611	865.0611	0.0627		866.6293
Worker	0.2552	0.1306	1.9986	7.8300e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		781.0951	781.0951	0.0134		781.4304
Total	0.3163	2.3506	2.7532	0.0157	1.1897	8.5200e-003	1.1982	0.3204	7.9300e-003	0.3283		1,646.156 2	1,646.1562	0.0761		1,648.059 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0611	2.2200	0.7546	7.8900e-003	0.2172	2.6300e-003	0.2198	0.0625	2.5100e-003	0.0650		865.0611	865.0611	0.0627			866.6293
Worker	0.2552	0.1306	1.9986	7.8300e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		781.0951	781.0951	0.0134			781.4304
Total	0.3163	2.3506	2.7532	0.0157	1.1897	8.5200e-003	1.1982	0.3204	7.9300e-003	0.3283		1,646.1562	1,646.1562	0.0761			1,648.0597

3.4 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673			1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	0.0606	187.1286	187.1286	3.3700e-003	0.0000	187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	0.0606	187.1286	187.1286	3.3700e-003	0.0000	187.2129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2970	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
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3.5 Construction of Park Spaces / Lighting - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2725	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129
Total	0.0614	0.0327	0.4922	1.8800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		187.1286	187.1286	3.3700e-003		187.2129

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101
Unmitigated	0.7365	2.7199	11.1891	0.0487	4.9760	0.0330	5.0090	1.3306	0.0306	1.3612		4,955.4257	4,955.4257	0.1834		4,960.0101

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	529.72	100.32	51.68	1,771,691	1,771,691
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	529.72	100.32	51.68	1,771,691	1,771,691

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
NaturalGas Unmitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4351.78	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4.35178	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481

Unmitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 11 ALT1 Mitigated - Orange County, Winter

**JWA Phase 11 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	76.00	1000sqft	1.74	76,000.00	0
Other Non-Asphalt Surfaces	96.69	1000sqft	2.22	96,687.00	0
Parking Lot	33.60	1000sqft	0.77	33,597.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined by project schedule and RON estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and ROM estimate

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Grading -

Area Coating -

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	38000	34772
tblAreaCoating	Area_Nonresidential_Interior	114000	104316
tblAreaCoating	Area_Parking	7817	1155
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	126.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	18.00	26.00
tblConstructionPhase	NumDays	18.00	38.00
tblLandUse	LandUseSquareFeet	96,690.00	96,687.00
tblLandUse	LandUseSquareFeet	33,600.00	33,597.00
tblSolidWaste	SolidWasteGenerationRate	94.24	86.23
tblTripsAndVMT	HaulingTripNumber	705.00	0.00
tblWater	IndoorWaterUseRate	17,575,000.00	16,081,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	4.1389	36.7417	44.3036	0.0839	5.4830	1.5833	7.0663	0.9896	1.4782	2.4678	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732
2025	1.7239	14.8207	18.7325	0.0421	1.1897	0.5362	1.7259	0.3204	0.5043	0.8247	0.0000	4,140.1878	4,140.1878	0.6787	0.0000	4,157.1552

Maximum	4.1389	36.7417	44.3036	0.0839	5.4830	1.5833	7.0663	0.9896	1.4782	2.4678	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4086	6.6577	48.2198	0.0839	2.9664	0.1123	3.0786	0.6085	0.1116	0.7201	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732
2025	0.6843	4.5857	20.1081	0.0421	1.1897	0.0494	1.2391	0.3204	0.0489	0.3693	0.0000	4,140.1878	4,140.1878	0.6787	0.0000	4,157.1552
Maximum	1.4086	6.6577	48.2198	0.0839	2.9664	0.1123	3.0786	0.6085	0.1116	0.7201	0.0000	8,141.1409	8,141.1409	1.8253	0.0000	8,186.7732

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	64.30	78.19	-8.39	0.00	37.72	92.37	50.89	29.09	91.91	66.91	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Total	2.5006	3.2313	10.9532	0.0491	4.9760	0.0656	5.0416	1.3306	0.0632	1.3938		5,254.9178	5,254.9178	0.1922	9.3900e-003	5,262.5191

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
Energy	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Mobile	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Total	2.5006	3.2313	10.9532	0.0491	4.9760	0.0656	5.0416	1.3306	0.0632	1.3938		5,254.9178	5,254.9178	0.1922	9.3900e-003	5,262.5191

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 11	Demolition	6/7/2024	7/29/2024	5	37	
2	Construction of FBO Hangars - 11	Building Construction	7/29/2024	1/20/2025	5	126	
3	Misc. Concrete - 11	Paving	9/24/2024	10/29/2024	5	26	
4	Construction of Park Spaces / Lighting - 11	Paving	10/29/2024	12/19/2024	5	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 11	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 11	Excavators	3	8.00	158	0.38
Demolition - 11	Rubber Tired Dozers	2	8.00	247	0.40
Demolition - 11	Tractors/Loaders/Backhoes	0		97	0.37
Construction of FBO Hangars - 11	Cranes	1	7.00	231	0.29
Construction of FBO Hangars - 11	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars - 11	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars - 11	Graders	0		187	0.41
Construction of FBO Hangars - 11	Scrapers	0		367	0.48
Construction of FBO Hangars - 11	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars - 11	Welders	1	8.00	46	0.45
Misc. Concrete - 11	Cement and Mortar Mixers	2	6.00	9	0.56
Misc. Concrete - 11	Cranes	0		231	0.29
Misc. Concrete - 11	Forklifts	0		89	0.20
Misc. Concrete - 11	Generator Sets	0		84	0.74
Misc. Concrete - 11	Pavers	1	8.00	130	0.42
Misc. Concrete - 11	Paving Equipment	2	6.00	132	0.36
Misc. Concrete - 11	Rollers	2	6.00	80	0.38
Misc. Concrete - 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Misc. Concrete - 11	Welders	0		46	0.45
Construction of Park Spaces / Lighting 11	Cement and Mortar Mixers	2	6.00	9	0.56
Construction of Park Spaces / Lighting 11	Graders	0		187	0.41
Construction of Park Spaces / Lighting 11	Pavers	1	8.00	130	0.42
Construction of Park Spaces / Lighting 11	Paving Equipment	2	6.00	132	0.36
Construction of Park Spaces / Lighting 11	Rollers	2	6.00	80	0.38
Construction of Park Spaces / Lighting 11	Rubber Tired Dozers	0		247	0.40
Construction of Park Spaces / Lighting 11	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 11	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars - 11	9	87.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Misc. Concrete - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 11	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1257	0.0000	4.1257	0.6247	0.0000	0.6247			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	4.1257	0.9602	5.0859	0.6247	0.8922	1.5169		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6090	0.0000	1.6090	0.2436	0.0000	0.2436			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	0.4623	2.0032	23.2798	0.0388	1.6090	0.0616	1.6707	0.2436	0.0616	0.3053	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036

Total	0.0526	0.0270	0.3392	1.3300e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		132.8439	132.8439	2.3900e-003		132.9036
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3.3 Construction of FBO Hangars - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0659	2.2365	0.8228	7.7600e-003	0.2172	2.8300e-003	0.2201	0.0625	2.7100e-003	0.0652		849.4558	849.4558	0.0661		851.1076
Worker	0.3051	0.1563	1.9675	7.7200e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		770.4947	770.4947	0.0138		770.8407
Total	0.3710	2.3928	2.7903	0.0155	1.1897	8.7900e-003	1.1985	0.3204	8.2000e-003	0.3286		1,619.9505	1,619.9505	0.0799		1,621.9483

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0659	2.2365	0.8228	7.7600e-003	0.2172	2.8300e-003	0.2201	0.0625	2.7100e-003	0.0652		849.4558	849.4558	0.0661		851.1076
Worker	0.3051	0.1563	1.9675	7.7200e-003	0.9725	5.9600e-003	0.9784	0.2579	5.4900e-003	0.2634		770.4947	770.4947	0.0138		770.8407
Total	0.3710	2.3928	2.7903	0.0155	1.1897	8.7900e-003	1.1985	0.3204	8.2000e-003	0.3286		1,619.9505	1,619.9505	0.0799		1,621.9483

3.3 Construction of FBO Hangars - 11 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0642	2.2076	0.8125	7.7000e-003	0.2172	2.7600e-003	0.2200	0.0625	2.6400e-003	0.0652		844.3368	844.3368	0.0651		845.9642
Worker	0.2924	0.1434	1.8354	7.4100e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		739.3767	739.3767	0.0127		739.6929
Total	0.3565	2.3510	2.6479	0.0151	1.1897	8.6500e-003	1.1983	0.3204	8.0600e-003	0.3285		1,583.713 4	1,583.7134	0.0778		1,585.657 1

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0642	2.2076	0.8125	7.7000e-003	0.2172	2.7600e-003	0.2200	0.0625	2.6400e-003	0.0652		844.3368	844.3368	0.0651		845.9642
Worker	0.2924	0.1434	1.8354	7.4100e-003	0.9725	5.8900e-003	0.9783	0.2579	5.4200e-003	0.2633		739.3767	739.3767	0.0127		739.6929
Total	0.3565	2.3510	2.6479	0.0151	1.1897	8.6500e-003	1.1983	0.3204	8.0600e-003	0.3285		1,583.7134	1,583.7134	0.0778		1,585.6571

3.4 Misc. Concrete - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9590	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	177.1252	177.1252	3.1800e-003		177.2048	
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003	177.2048	

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0776					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2970	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606	177.1252	177.1252	3.1800e-003			177.2048

Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
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3.5 Construction of Park Spaces / Lighting - 11 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9345	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2725	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048
Total	0.0701	0.0359	0.4523	1.7800e-003	0.2236	1.3700e-003	0.2249	0.0593	1.2600e-003	0.0606		177.1252	177.1252	3.1800e-003		177.2048

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544
Unmitigated	0.7227	2.8044	10.5738	0.0465	4.9760	0.0331	5.0091	1.3306	0.0307	1.3613		4,742.8984	4,742.8984	0.1822		4,747.4544

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	529.72	100.32	51.68	1,771,691	1,771,691
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	529.72	100.32	51.68	1,771,691	1,771,691

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Other Non-Asphalt Surfaces	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
NaturalGas Unmitigated	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4351.78	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4.35178	0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0469	0.4267	0.3584	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.9742	511.9742	9.8100e-003	9.3900e-003	515.0166

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481

Unmitigated	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0452	0.0452	1.2000e-004		0.0481
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481
Total	1.7310	1.9000e-004	0.0210	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005			0.0452	0.0452	1.2000e-004	0.0481

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 ALT1 Mitigation - Orange County, Summer

**JWA Phase 12 ALT1 Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.67	1000sqft	0.91	39,670.00	0
Other Asphalt Surfaces	143.40	1000sqft	3.29	143,399.00	0
Other Non-Asphalt Surfaces	71.70	1000sqft	1.65	71,699.00	0
Other Non-Asphalt Surfaces	7.97	1000sqft	0.18	7,967.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	26.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003

tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblLandUse	LandUseSquareFeet	143,400.00	143,399.00
tblLandUse	LandUseSquareFeet	7,970.00	7,967.00
tblLandUse	LandUseSquareFeet	71,700.00	71,699.00
tblSolidWaste	SolidWasteGenerationRate	49.19	128.09
tblTripsAndVMT	HaulingTripNumber	547.00	0.00
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	1.40	1.37
tblVehicleEF	HHD	1.30	1.32
tblVehicleEF	HHD	4.46	4.59
tblVehicleEF	HHD	3,712.33	3,667.10

tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.24	11.93
tblVehicleEF	HHD	1.64	1.59
tblVehicleEF	HHD	18.91	18.85
tblVehicleEF	HHD	8.2750e-003	7.3440e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	7.9170e-003	7.0260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.1800e-004	1.2300e-004
tblVehicleEF	HHD	4.7610e-003	4.8950e-003
tblVehicleEF	HHD	0.33	0.33
tblVehicleEF	HHD	9.2000e-005	9.6000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1700e-004	2.2300e-004
tblVehicleEF	HHD	1.1800e-004	1.2300e-004
tblVehicleEF	HHD	4.7610e-003	4.8950e-003
tblVehicleEF	HHD	0.41	0.40
tblVehicleEF	HHD	9.2000e-005	9.6000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.09	0.09

tblVehicleEF	HHD	0.37	0.35
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	1.02	0.99
tblVehicleEF	HHD	1.31	1.32
tblVehicleEF	HHD	4.25	4.37
tblVehicleEF	HHD	3,932.88	3,884.97
tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.63	12.32
tblVehicleEF	HHD	1.55	1.50
tblVehicleEF	HHD	18.90	18.83
tblVehicleEF	HHD	6.9760e-003	6.1910e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	6.6740e-003	5.9230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.6800e-004	1.7400e-004
tblVehicleEF	HHD	4.8570e-003	4.9920e-003
tblVehicleEF	HHD	0.32	0.31
tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3800e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1400e-004	2.1900e-004

tblVehicleEF	HHD	1.6800e-004	1.7400e-004
tblVehicleEF	HHD	4.8570e-003	4.9920e-003
tblVehicleEF	HHD	0.39	0.38
tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.2300e-004	4.3800e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	0.42	0.40
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	1.93	1.88
tblVehicleEF	HHD	1.30	1.31
tblVehicleEF	HHD	4.50	4.63
tblVehicleEF	HHD	3,407.76	3,366.24
tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
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tblVehicleEF	HHD	1.61	1.56
tblVehicleEF	HHD	18.91	18.85
tblVehicleEF	HHD	0.01	8.9350e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	9.6330e-003	8.5490e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.1400e-004	1.1700e-004
tblVehicleEF	HHD	5.0300e-003	5.1590e-003
tblVehicleEF	HHD	0.36	0.35

tblVehicleEF	HHD	9.1000e-005	9.5000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.8300e-004	5.0100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.1800e-004	2.2300e-004
tblVehicleEF	HHD	1.1400e-004	1.1700e-004
tblVehicleEF	HHD	5.0300e-003	5.1590e-003
tblVehicleEF	HHD	0.44	0.43
tblVehicleEF	HHD	9.1000e-005	9.5000e-005
tblVehicleEF	HHD	0.26	0.26
tblVehicleEF	HHD	4.8300e-004	5.0100e-004
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	LDA	2.7580e-003	2.5560e-003
tblVehicleEF	LDA	2.8090e-003	2.5270e-003
tblVehicleEF	LDA	0.43	0.40
tblVehicleEF	LDA	0.72	0.67
tblVehicleEF	LDA	212.92	205.40
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	6.9380e-003	6.4240e-003

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.1310e-003	2.0560e-003
tblVehicleEF	LDA	4.8900e-004	4.7100e-004
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	9.3380e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	2.9150e-003	2.7020e-003
tblVehicleEF	LDA	2.5300e-003	2.2770e-003
tblVehicleEF	LDA	0.46	0.44
tblVehicleEF	LDA	0.63	0.59
tblVehicleEF	LDA	221.83	214.00
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.3280e-003	6.7860e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	2.2210e-003	2.1420e-003
tblVehicleEF	LDA	4.8800e-004	4.6900e-004

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tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	9.8660e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.7050e-003	2.5060e-003
tblVehicleEF	LDA	2.8660e-003	2.5790e-003
tblVehicleEF	LDA	0.41	0.39
tblVehicleEF	LDA	0.74	0.69
tblVehicleEF	LDA	209.63	202.23
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	6.8070e-003	6.3030e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.0980e-003	2.0240e-003
tblVehicleEF	LDA	4.9000e-004	4.7100e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	9.8910e-003	9.1610e-003

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	5.9740e-003	5.4510e-003
tblVehicleEF	LDT1	7.9960e-003	7.1900e-003
tblVehicleEF	LDT1	0.78	0.73
tblVehicleEF	LDT1	1.69	1.55
tblVehicleEF	LDT1	272.89	264.77
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tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.7370e-003	2.6550e-003
tblVehicleEF	LDT1	6.4900e-004	6.2800e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	6.2860e-003	5.7380e-003
tblVehicleEF	LDT1	7.1800e-003	6.4600e-003

tblVehicleEF	LDT1	0.85	0.79
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	283.94	275.49
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.8480e-003	2.7630e-003
tblVehicleEF	LDT1	6.4500e-004	6.2400e-004
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	5.8680e-003	5.3540e-003
tblVehicleEF	LDT1	8.1630e-003	7.3400e-003
tblVehicleEF	LDT1	0.76	0.71
tblVehicleEF	LDT1	1.74	1.59
tblVehicleEF	LDT1	268.81	260.81
tblVehicleEF	LDT1	61.96	60.17

tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.6960e-003	2.6150e-003
tblVehicleEF	LDT1	6.4900e-004	6.2900e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT2	3.9670e-003	3.7110e-003
tblVehicleEF	LDT2	3.9510e-003	3.6060e-003
tblVehicleEF	LDT2	0.58	0.56
tblVehicleEF	LDT2	0.97	0.91
tblVehicleEF	LDT2	305.47	295.85
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003

tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.8490e-003	9.2160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0580e-003	2.9620e-003
tblVehicleEF	LDT2	7.0100e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	4.1900e-003	3.9200e-003
tblVehicleEF	LDT2	3.5660e-003	3.2570e-003
tblVehicleEF	LDT2	0.63	0.60
tblVehicleEF	LDT2	0.84	0.80
tblVehicleEF	LDT2	317.98	307.96
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	9.7340e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	3.1840e-003	3.0840e-003
tblVehicleEF	LDT2	6.9900e-004	6.7500e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.8920e-003	3.6410e-003
tblVehicleEF	LDT2	4.0310e-003	3.6780e-003
tblVehicleEF	LDT2	0.56	0.54
tblVehicleEF	LDT2	0.99	0.94
tblVehicleEF	LDT2	300.86	291.38
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.6640e-003	9.0430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05

tblVehicleEF	LDT2	3.0120e-003	2.9170e-003
tblVehicleEF	LDT2	7.0100e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8690e-003	5.2800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.81	1.71
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.79	0.71
tblVehicleEF	LHD1	0.78	0.73
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.9560e-003	5.3520e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.49	0.44
tblVehicleEF	LHD1	1.73	1.64
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.75	0.67
tblVehicleEF	LHD1	0.75	0.70
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004

tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.17	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1400e-004	3.0300e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8460e-003	5.2600e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
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tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07

tblVehicleEF	LHD1	0.78	0.70
tblVehicleEF	LHD1	0.79	0.74
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5500e-003	2.3550e-003
tblVehicleEF	LHD2	5.1240e-003	4.6050e-003
tblVehicleEF	LHD2	0.12	0.12

tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.00	0.96
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.39	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5710e-003	2.3720e-003
tblVehicleEF	LHD2	4.9820e-003	4.4830e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.96	0.92
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.36	0.30
tblVehicleEF	LHD2	0.38	0.35
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003

tblVehicleEF	LHD2	2.6300e-004	2.5700e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5450e-003	2.3500e-003
tblVehicleEF	LHD2	5.1530e-003	4.6300e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.01	0.97
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.38	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.64	17.52
tblVehicleEF	MCY	9.65	9.67
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.32	2.31

tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	6.5200e-004	6.4900e-004
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.90	2.89
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.18	2.17
tblVehicleEF	MCY	0.48	0.49
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.03	16.92
tblVehicleEF	MCY	8.86	8.87
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.27	2.26
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	6.3300e-004	6.3000e-004
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67

tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.84	2.84
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.97	1.96
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.73	17.61
tblVehicleEF	MCY	9.78	9.80
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.04	2.03
tblVehicleEF	MCY	6.5500e-004	6.5200e-004
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.91	2.90
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.22	2.21
tblVehicleEF	MDV	6.8660e-003	6.2950e-003

tblVehicleEF	MDV	8.3060e-003	7.4450e-003
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	1.63	1.51
tblVehicleEF	MDV	419.30	405.87
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1950e-003	4.0600e-003
tblVehicleEF	MDV	9.4800e-004	9.1600e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	7.2430e-003	6.6430e-003
tblVehicleEF	MDV	7.4810e-003	6.7100e-003
tblVehicleEF	MDV	0.90	0.85
tblVehicleEF	MDV	1.42	1.31
tblVehicleEF	MDV	435.95	421.98

tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	4.3620e-003	4.2220e-003
tblVehicleEF	MDV	9.4400e-004	9.1200e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	6.7380e-003	6.1780e-003
tblVehicleEF	MDV	8.4750e-003	7.5960e-003
tblVehicleEF	MDV	0.80	0.76
tblVehicleEF	MDV	1.68	1.55
tblVehicleEF	MDV	413.15	399.93
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.14	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003

tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1330e-003	4.0000e-003
tblVehicleEF	MDV	9.4900e-004	9.1700e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.85
tblVehicleEF	MH	4.09	3.94
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.02	0.95
tblVehicleEF	MH	0.64	0.62
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3100e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.26	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.01	0.87
tblVehicleEF	MH	3.88	3.73
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	0.95	0.89
tblVehicleEF	MH	0.61	0.60
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.89	0.83

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.23	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3100e-004	6.2800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.25	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.84
tblVehicleEF	MH	4.12	3.97
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.00	0.94
tblVehicleEF	MH	0.64	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3200e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.27	0.26
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3010e-003	2.1660e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.31	0.31
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.97	3.71
tblVehicleEF	MHD	147.33	148.89
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.38	0.38
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	11.31	11.43
tblVehicleEF	MHD	5.7000e-005	5.3000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	5.5000e-005	5.0000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.25	0.23
tblVehicleEF	MHD	1.4160e-003	1.4310e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9500e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.3200e-003	2.1820e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.23	0.22
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.79	3.54
tblVehicleEF	MHD	156.06	157.71
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.39	0.39
tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	11.28	11.41
tblVehicleEF	MHD	4.8000e-005	4.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003

tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	4.6000e-005	4.3000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.24	0.22
tblVehicleEF	MHD	1.4990e-003	1.5140e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.0700e-004	5.9200e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.26	0.25
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2950e-003	2.1610e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.43	0.43
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	4.01	3.74
tblVehicleEF	MHD	135.27	136.70
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02

tblVehicleEF	MHD	0.36	0.36
tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	11.31	11.44
tblVehicleEF	MHD	7.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	6.7000e-005	6.1000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.25	0.24
tblVehicleEF	MHD	1.3030e-003	1.3160e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9600e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4900e-003	4.1630e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24

tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.51	4.37
tblVehicleEF	OBUS	79.00	80.88
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.55	0.54
tblVehicleEF	OBUS	1.94	1.94
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.6600e-004	7.8400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.30
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	4.5620e-003	4.2270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.34	0.31
tblVehicleEF	OBUS	4.28	4.14
tblVehicleEF	OBUS	82.70	84.69
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.17
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	1.91	1.91
tblVehicleEF	OBUS	1.2000e-005	1.3000e-005
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.27	0.27
tblVehicleEF	OBUS	8.0100e-004	8.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6000e-004	7.5500e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4690e-003	4.1440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.54	4.40
tblVehicleEF	OBUS	73.90	75.61
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.15	0.16
tblVehicleEF	OBUS	0.54	0.53
tblVehicleEF	OBUS	1.95	1.95
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.1700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.06
tblVehicleEF	SBUS	8.76	8.90
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.04	7.76
tblVehicleEF	SBUS	1,056.06	1,041.87
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.45	5.84
tblVehicleEF	SBUS	2.88	2.57
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	4.9650e-003	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.7500e-003	3.9320e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.43	0.42
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4400e-004	7.5000e-004
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.46
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	8.68	8.82
tblVehicleEF	SBUS	0.78	0.70
tblVehicleEF	SBUS	6.64	6.41
tblVehicleEF	SBUS	1,101.09	1,085.74
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.66	6.03
tblVehicleEF	SBUS	2.72	2.43
tblVehicleEF	SBUS	11.12	10.88
tblVehicleEF	SBUS	4.1860e-003	3.4640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.0050e-003	3.3150e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.05
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.39	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	7.2700e-004
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.50	1.53
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.41
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.88	9.01
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.17	7.89
tblVehicleEF	SBUS	993.88	981.30
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.17	5.59
tblVehicleEF	SBUS	2.83	2.53
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	6.0420e-003	5.0010e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	5.7800e-003	4.7840e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.42
tblVehicleEF	SBUS	9.7890e-003	9.6750e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4600e-004	7.5200e-004
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.46
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	6.68	6.39
tblVehicleEF	UBUS	10.95	10.71
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.86	2.59

tblVehicleEF	UBUS	12.71	12.58
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.88	0.87
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.6000e-003	1.6080e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.97	0.96
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	6.71	6.42
tblVehicleEF	UBUS	9.70	9.50
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.69	2.43
tblVehicleEF	UBUS	12.64	12.51
tblVehicleEF	UBUS	0.51	0.50

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.5790e-003	1.5870e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.67	6.39
tblVehicleEF	UBUS	11.17	10.93
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.81	2.54
tblVehicleEF	UBUS	12.72	12.59
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003

tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	8.4160e-003	8.4060e-003
tblVehicleEF	UBUS	1.6040e-003	1.6120e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.97
tblWater	IndoorWaterUseRate	9,173,687.50	23,888,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	5.0505	43.2657	54.2516	0.1112	6.3967	1.8117	8.2084	1.1841	1.6852	2.8692	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3519
Maximum	5.0505	43.2657	54.2516	0.1112	6.3967	1.8117	8.2084	1.1841	1.6852	2.8692	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3519

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.7971	8.4711	62.2063	0.1112	3.6169	0.1526	3.7695	0.7632	0.1517	0.9149	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3518
Maximum	1.7971	8.4711	62.2063	0.1112	3.6169	0.1526	3.7695	0.7632	0.1517	0.9149	0.0000	10,861.8016	10,861.8016	2.4620	0.0000	10,923.3518

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	64.42	80.42	-14.66	0.00	43.46	91.58	54.08	35.55	91.00	68.11	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188
Total	1.6262	1.5546	5.5132	0.0253	2.5974	0.0329	2.6303	0.6945	0.0318	0.7263		2,714.8804	2,714.8804	0.0946	4.9000e-003	2,718.7051

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188
Total	1.6262	1.5546	5.5132	0.0253	2.5974	0.0329	2.6303	0.6945	0.0318	0.7263		2,714.8804	2,714.8804	0.0946	4.9000e-003	2,718.7051

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	2/5/2025	3/12/2025	5	26	
2	Construction of FBO Hangars and Office - 12	Building Construction	3/12/2025	7/11/2025	5	88	
3	Construction of Apron Concrete - 12	Paving	3/12/2025	5/14/2025	5	46	
4	Construction of Park Spaces / Lighting - 12	Paving	5/14/2025	7/3/2025	5	37	
5	Misc. concrete - 13	Paving	7/11/2025	8/15/2025	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangars and Office - 12	Cranes	1	7.00	231	0.29
Construction of FBO Hangars and Office - 12	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars and Office - 12	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars and Office - 12	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangars and Office - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars and Office - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete- 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete- 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete- 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Misc. concrete - 13	Pavers	2	8.00	130	0.42
Misc. concrete - 13	Paving Equipment	2	8.00	132	0.36
Misc. concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars and Office - 12	9	110.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete- 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Misc. concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5571	0.0000	4.5571	0.6900	0.0000	0.6900			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	4.5571	0.8528	5.4099	0.6900	0.7920	1.4820		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7773	0.0000	1.7773	0.2691	0.0000	0.2691			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	1.7773	0.0616	1.8389	0.2691	0.0616	0.3307	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.3 Construction of FBO Hangars and Office - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	2.8077	0.9543	9.9700e-003	0.2747	3.3300e-003	0.2780	0.0791	3.1800e-003	0.0822		1,094.0478	1,094.0478	0.0793		1,096.0312
Worker	0.3227	0.1651	2.5270	9.9000e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		987.5915	987.5915	0.0170		988.0155
Total	0.4000	2.9728	3.4814	0.0199	1.5043	0.0108	1.5150	0.4051	0.0100	0.4152		2,081.6394	2,081.6394	0.0963		2,084.0466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	2.8077	0.9543	9.9700e-003	0.2747	3.3300e-003	0.2780	0.0791	3.1800e-003	0.0822		1,094.0478	1,094.0478	0.0793		1,096.0312
Worker	0.3227	0.1651	2.5270	9.9000e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		987.5915	987.5915	0.0170		988.0155
Total	0.4000	2.9728	3.4814	0.0199	1.5043	0.0108	1.5150	0.4051	0.0100	0.4152		2,081.6394	2,081.6394	0.0963		2,084.0466

3.4 Construction of Apron Concrete- 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4679	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5134	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Misc. concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6120	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188
Unmitigated	0.3538	1.3316	5.2993	0.0240	2.5974	0.0159	2.6133	0.6945	0.0147	0.7093		2,447.5858	2,447.5858	0.0893		2,449.8188

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	276.50	52.36	26.98	924,776	924,776
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	276.50	52.36	26.98	924,776	924,776

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
NaturalGas Unmitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2271.52	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	2.27152	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Unmitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 12 ALT1 Mitigation - Orange County, Winter

**JWA Phase 12 ALT1 Mitigation
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	39.67	1000sqft	0.91	39,670.00	0
Other Asphalt Surfaces	143.40	1000sqft	3.29	143,399.00	0
Other Non-Asphalt Surfaces	71.70	1000sqft	1.65	71,699.00	0
Other Non-Asphalt Surfaces	7.97	1000sqft	0.18	7,967.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	230.00	88.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	20.00	46.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	20.00	26.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	LHD2	5.7660e-003	5.7620e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003
tblFleetMix	MCY	4.9770e-003	4.9810e-003

tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MDV	0.11	0.11
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MH	8.3600e-004	8.1800e-004
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	MHD	0.03	0.03
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	OBUS	1.8250e-003	1.8380e-003
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	SBUS	6.1100e-004	6.1500e-004
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblFleetMix	UBUS	1.4730e-003	1.4610e-003
tblLandUse	LandUseSquareFeet	143,400.00	143,399.00
tblLandUse	LandUseSquareFeet	7,970.00	7,967.00
tblLandUse	LandUseSquareFeet	71,700.00	71,699.00
tblSolidWaste	SolidWasteGenerationRate	49.19	128.09
tblTripsAndVMT	HaulingTripNumber	547.00	0.00
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	0.17	0.17
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	1.40	1.37
tblVehicleEF	HHD	1.30	1.32
tblVehicleEF	HHD	4.46	4.59
tblVehicleEF	HHD	3,712.33	3,667.10

tblVehicleEF	HHD	1,567.60	1,559.78
tblVehicleEF	HHD	14.46	14.82
tblVehicleEF	HHD	12.24	11.93
tblVehicleEF	HHD	1.64	1.59
tblVehicleEF	HHD	18.91	18.85
tblVehicleEF	HHD	8.2750e-003	7.3440e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	7.9170e-003	7.0260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.1800e-004	1.2300e-004
tblVehicleEF	HHD	4.7610e-003	4.8950e-003
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tblVehicleEF	HHD	9.2000e-005	9.6000e-005
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.08	0.08
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tblVehicleEF	HHD	9.2000e-005	9.6000e-005
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tblVehicleEF	HHD	4.4000e-004	4.5600e-004
tblVehicleEF	HHD	0.09	0.09

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tblVehicleEF	HHD	0.17	0.17
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tblVehicleEF	HHD	1.02	0.99
tblVehicleEF	HHD	1.31	1.32
tblVehicleEF	HHD	4.25	4.37
tblVehicleEF	HHD	3,932.88	3,884.97
tblVehicleEF	HHD	1,567.60	1,559.78
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tblVehicleEF	HHD	18.90	18.83
tblVehicleEF	HHD	6.9760e-003	6.1910e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	5.8520e-003	5.7730e-003
tblVehicleEF	HHD	1.4400e-004	1.5200e-004
tblVehicleEF	HHD	6.6740e-003	5.9230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.5990e-003	5.5220e-003
tblVehicleEF	HHD	1.3200e-004	1.4000e-004
tblVehicleEF	HHD	1.6800e-004	1.7400e-004
tblVehicleEF	HHD	4.8570e-003	4.9920e-003
tblVehicleEF	HHD	0.32	0.31
tblVehicleEF	HHD	1.2600e-004	1.3100e-004
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	4.2300e-004	4.3800e-004
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tblVehicleEF	HHD	0.06	0.05
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tblVehicleEF	HHD	0.08	0.08
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tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	9.1000e-005	9.5000e-005
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tblVehicleEF	LDA	0.07	0.06
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tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	0.07	0.06
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tblVehicleEF	LDA	0.04	0.03
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tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.3280e-003	6.7860e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	2.2210e-003	2.1420e-003
tblVehicleEF	LDA	4.8800e-004	4.6900e-004

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tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	9.8660e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.7050e-003	2.5060e-003
tblVehicleEF	LDA	2.8660e-003	2.5790e-003
tblVehicleEF	LDA	0.41	0.39
tblVehicleEF	LDA	0.74	0.69
tblVehicleEF	LDA	209.63	202.23
tblVehicleEF	LDA	47.75	46.00
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	1.7100e-003	1.6080e-003
tblVehicleEF	LDA	2.1900e-003	2.1170e-003
tblVehicleEF	LDA	1.5740e-003	1.4800e-003
tblVehicleEF	LDA	2.0130e-003	1.9460e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	2.0980e-003	2.0240e-003
tblVehicleEF	LDA	4.9000e-004	4.7100e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	9.8910e-003	9.1610e-003

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	5.9740e-003	5.4510e-003
tblVehicleEF	LDT1	7.9960e-003	7.1900e-003
tblVehicleEF	LDT1	0.78	0.73
tblVehicleEF	LDT1	1.69	1.55
tblVehicleEF	LDT1	272.89	264.77
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.7370e-003	2.6550e-003
tblVehicleEF	LDT1	6.4900e-004	6.2800e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	6.2860e-003	5.7380e-003
tblVehicleEF	LDT1	7.1800e-003	6.4600e-003

tblVehicleEF	LDT1	0.85	0.79
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	283.94	275.49
tblVehicleEF	LDT1	61.96	60.17
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.8480e-003	2.7630e-003
tblVehicleEF	LDT1	6.4500e-004	6.2400e-004
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.19	0.18
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	5.8680e-003	5.3540e-003
tblVehicleEF	LDT1	8.1630e-003	7.3400e-003
tblVehicleEF	LDT1	0.76	0.71
tblVehicleEF	LDT1	1.74	1.59
tblVehicleEF	LDT1	268.81	260.81
tblVehicleEF	LDT1	61.96	60.17

tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	2.1560e-003	2.0280e-003
tblVehicleEF	LDT1	2.7890e-003	2.6780e-003
tblVehicleEF	LDT1	1.9830e-003	1.8650e-003
tblVehicleEF	LDT1	2.5640e-003	2.4630e-003
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	2.6960e-003	2.6150e-003
tblVehicleEF	LDT1	6.4900e-004	6.2900e-004
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT2	3.9670e-003	3.7110e-003
tblVehicleEF	LDT2	3.9510e-003	3.6060e-003
tblVehicleEF	LDT2	0.58	0.56
tblVehicleEF	LDT2	0.97	0.91
tblVehicleEF	LDT2	305.47	295.85
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003

tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.8490e-003	9.2160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.0580e-003	2.9620e-003
tblVehicleEF	LDT2	7.0100e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	4.1900e-003	3.9200e-003
tblVehicleEF	LDT2	3.5660e-003	3.2570e-003
tblVehicleEF	LDT2	0.63	0.60
tblVehicleEF	LDT2	0.84	0.80
tblVehicleEF	LDT2	317.98	307.96
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08

tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	9.7340e-003
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	3.1840e-003	3.0840e-003
tblVehicleEF	LDT2	6.9900e-004	6.7500e-004
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	3.8920e-003	3.6410e-003
tblVehicleEF	LDT2	4.0310e-003	3.6780e-003
tblVehicleEF	LDT2	0.56	0.54
tblVehicleEF	LDT2	0.99	0.94
tblVehicleEF	LDT2	300.86	291.38
tblVehicleEF	LDT2	68.50	66.27
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.8320e-003	1.7510e-003
tblVehicleEF	LDT2	2.3500e-003	2.3010e-003
tblVehicleEF	LDT2	1.6850e-003	1.6110e-003
tblVehicleEF	LDT2	2.1610e-003	2.1160e-003
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	9.6640e-003	9.0430e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05

tblVehicleEF	LDT2	3.0120e-003	2.9170e-003
tblVehicleEF	LDT2	7.0100e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8690e-003	5.2800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
tblVehicleEF	LHD1	1.81	1.71
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.79	0.71
tblVehicleEF	LHD1	0.78	0.73
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2360e-003	2.1220e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4970e-003	1.4320e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.25	0.24
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.9560e-003	5.3520e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.49	0.44
tblVehicleEF	LHD1	1.73	1.64
tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.75	0.67
tblVehicleEF	LHD1	0.75	0.70
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004

tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.17	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1400e-004	3.0300e-004
tblVehicleEF	LHD1	3.1160e-003	2.9570e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0060e-003	1.9180e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.24	0.23
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	4.4070e-003	4.2120e-003
tblVehicleEF	LHD1	5.8460e-003	5.2600e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	0.48	0.44
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tblVehicleEF	LHD1	9.05	9.05
tblVehicleEF	LHD1	569.17	563.13
tblVehicleEF	LHD1	28.18	27.29
tblVehicleEF	LHD1	0.07	0.07

tblVehicleEF	LHD1	0.78	0.70
tblVehicleEF	LHD1	0.79	0.74
tblVehicleEF	LHD1	8.7400e-004	8.6700e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.7310e-003	8.3630e-003
tblVehicleEF	LHD1	6.9400e-004	6.6200e-004
tblVehicleEF	LHD1	8.3600e-004	8.3000e-004
tblVehicleEF	LHD1	2.5920e-003	2.6040e-003
tblVehicleEF	LHD1	8.3350e-003	7.9830e-003
tblVehicleEF	LHD1	6.3800e-004	6.0900e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.18	0.16
tblVehicleEF	LHD1	5.5660e-003	5.5030e-003
tblVehicleEF	LHD1	3.1600e-004	3.0500e-004
tblVehicleEF	LHD1	2.2730e-003	2.1470e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4980e-003	1.4300e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.27	0.26
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5500e-003	2.3550e-003
tblVehicleEF	LHD2	5.1240e-003	4.6050e-003
tblVehicleEF	LHD2	0.12	0.12

tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.00	0.96
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.39	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.8600e-004	7.3500e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.7600e-004	5.4600e-004
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5710e-003	2.3720e-003
tblVehicleEF	LHD2	4.9820e-003	4.4830e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.96	0.92
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.36	0.30
tblVehicleEF	LHD2	0.38	0.35
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003

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tblVehicleEF	LHD2	1.1030e-003	1.0330e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7500e-004	7.3400e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	3.1600e-003	3.0200e-003
tblVehicleEF	LHD2	2.5450e-003	2.3500e-003
tblVehicleEF	LHD2	5.1530e-003	4.6300e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	1.01	0.97
tblVehicleEF	LHD2	13.62	13.60
tblVehicleEF	LHD2	589.83	585.59
tblVehicleEF	LHD2	24.66	24.10
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.38	0.32
tblVehicleEF	LHD2	0.39	0.36
tblVehicleEF	LHD2	1.1000e-003	1.0800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.6140e-003	7.2860e-003
tblVehicleEF	LHD2	3.7900e-004	3.7500e-004
tblVehicleEF	LHD2	1.0520e-003	1.0330e-003
tblVehicleEF	LHD2	2.6850e-003	2.6900e-003
tblVehicleEF	LHD2	7.2730e-003	6.9590e-003
tblVehicleEF	LHD2	3.4900e-004	3.4500e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	5.7380e-003	5.6950e-003
tblVehicleEF	LHD2	2.6400e-004	2.5800e-004
tblVehicleEF	LHD2	7.7000e-004	7.1700e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.6800e-004	5.3800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.64	17.52
tblVehicleEF	MCY	9.65	9.67
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.32	2.31

tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	6.5200e-004	6.4900e-004
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.64	0.63
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.90	2.89
tblVehicleEF	MCY	0.57	0.54
tblVehicleEF	MCY	2.18	2.17
tblVehicleEF	MCY	0.48	0.49
tblVehicleEF	MCY	0.13	0.13
tblVehicleEF	MCY	17.03	16.92
tblVehicleEF	MCY	8.86	8.87
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.27	2.26
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	6.3300e-004	6.3000e-004
tblVehicleEF	MCY	1.68	1.68
tblVehicleEF	MCY	0.68	0.67

tblVehicleEF	MCY	1.07	1.06
tblVehicleEF	MCY	2.84	2.84
tblVehicleEF	MCY	0.53	0.50
tblVehicleEF	MCY	1.97	1.96
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	0.15	0.15
tblVehicleEF	MCY	17.73	17.61
tblVehicleEF	MCY	9.78	9.80
tblVehicleEF	MCY	179.17	179.36
tblVehicleEF	MCY	43.54	43.24
tblVehicleEF	MCY	1.09	1.09
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	2.3120e-003	2.3350e-003
tblVehicleEF	MCY	3.4500e-003	3.4080e-003
tblVehicleEF	MCY	2.1580e-003	2.1790e-003
tblVehicleEF	MCY	3.2350e-003	3.1930e-003
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.04	2.03
tblVehicleEF	MCY	6.5500e-004	6.5200e-004
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.91	2.90
tblVehicleEF	MCY	0.66	0.63
tblVehicleEF	MCY	2.22	2.21
tblVehicleEF	MDV	6.8660e-003	6.2950e-003

tblVehicleEF	MDV	8.3060e-003	7.4450e-003
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	1.63	1.51
tblVehicleEF	MDV	419.30	405.87
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1950e-003	4.0600e-003
tblVehicleEF	MDV	9.4800e-004	9.1600e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	7.2430e-003	6.6430e-003
tblVehicleEF	MDV	7.4810e-003	6.7100e-003
tblVehicleEF	MDV	0.90	0.85
tblVehicleEF	MDV	1.42	1.31
tblVehicleEF	MDV	435.95	421.98

tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	1.8480e-003	1.7760e-003
tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	4.3620e-003	4.2220e-003
tblVehicleEF	MDV	9.4400e-004	9.1200e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	6.7380e-003	6.1780e-003
tblVehicleEF	MDV	8.4750e-003	7.5960e-003
tblVehicleEF	MDV	0.80	0.76
tblVehicleEF	MDV	1.68	1.55
tblVehicleEF	MDV	413.15	399.93
tblVehicleEF	MDV	92.03	89.05
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.14	0.12
tblVehicleEF	MDV	1.8480e-003	1.7760e-003

tblVehicleEF	MDV	2.2760e-003	2.2330e-003
tblVehicleEF	MDV	1.7020e-003	1.6350e-003
tblVehicleEF	MDV	2.0930e-003	2.0530e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.11	0.10
tblVehicleEF	MDV	4.1330e-003	4.0000e-003
tblVehicleEF	MDV	9.4900e-004	9.1700e-004
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.85
tblVehicleEF	MH	4.09	3.94
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.02	0.95
tblVehicleEF	MH	0.64	0.62
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3100e-004
tblVehicleEF	MH	0.66	0.62
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.31	0.29
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.26	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.01	0.87
tblVehicleEF	MH	3.88	3.73
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	0.95	0.89
tblVehicleEF	MH	0.61	0.60
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.89	0.83

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.23	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3100e-004	6.2800e-004
tblVehicleEF	MH	0.89	0.83
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.25	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.98	0.84
tblVehicleEF	MH	4.12	3.97
tblVehicleEF	MH	1,088.87	1,085.55
tblVehicleEF	MH	56.38	56.29
tblVehicleEF	MH	1.00	0.94
tblVehicleEF	MH	0.64	0.63
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.7000e-004	8.5700e-004
tblVehicleEF	MH	3.2370e-003	3.2350e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	8.0000e-004	7.8800e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30

tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.24	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.3500e-004	6.3200e-004
tblVehicleEF	MH	0.70	0.66
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.27	0.26
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3010e-003	2.1660e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.31	0.31
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.97	3.71
tblVehicleEF	MHD	147.33	148.89
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.38	0.38
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	11.31	11.43
tblVehicleEF	MHD	5.7000e-005	5.3000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	5.5000e-005	5.0000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.25	0.23
tblVehicleEF	MHD	1.4160e-003	1.4310e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9500e-004
tblVehicleEF	MHD	8.3800e-004	7.9800e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0600e-004	5.8700e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.3200e-003	2.1820e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.23	0.22
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	3.79	3.54
tblVehicleEF	MHD	156.06	157.71
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02
tblVehicleEF	MHD	0.39	0.39
tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	11.28	11.41
tblVehicleEF	MHD	4.8000e-005	4.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003

tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	4.6000e-005	4.3000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.24	0.22
tblVehicleEF	MHD	1.4990e-003	1.5140e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.0700e-004	5.9200e-004
tblVehicleEF	MHD	1.1800e-003	1.1230e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.2200e-004	7.9400e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.26	0.25
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2950e-003	2.1610e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.43	0.43
tblVehicleEF	MHD	0.22	0.21
tblVehicleEF	MHD	4.01	3.74
tblVehicleEF	MHD	135.27	136.70
tblVehicleEF	MHD	1,116.08	1,112.43
tblVehicleEF	MHD	54.11	53.02

tblVehicleEF	MHD	0.36	0.36
tblVehicleEF	MHD	0.65	0.63
tblVehicleEF	MHD	11.31	11.44
tblVehicleEF	MHD	7.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.8320e-003	2.8270e-003
tblVehicleEF	MHD	6.5400e-004	6.4200e-004
tblVehicleEF	MHD	6.7000e-005	6.1000e-005
tblVehicleEF	MHD	2.7070e-003	2.7020e-003
tblVehicleEF	MHD	6.0200e-004	5.9100e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.25	0.24
tblVehicleEF	MHD	1.3030e-003	1.3160e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.1100e-004	5.9600e-004
tblVehicleEF	MHD	8.2900e-004	7.8300e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.0300e-004	5.8200e-004
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.27	0.26
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4900e-003	4.1630e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24

tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.51	4.37
tblVehicleEF	OBUS	79.00	80.88
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.16
tblVehicleEF	OBUS	0.55	0.54
tblVehicleEF	OBUS	1.94	1.94
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.6600e-004	7.8400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3340e-003	1.3250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	7.4900e-004	7.5000e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.31	0.30
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	4.5620e-003	4.2270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.24
tblVehicleEF	OBUS	0.34	0.31
tblVehicleEF	OBUS	4.28	4.14
tblVehicleEF	OBUS	82.70	84.69
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.16	0.17
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	1.91	1.91
tblVehicleEF	OBUS	1.2000e-005	1.3000e-005
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.27	0.27
tblVehicleEF	OBUS	8.0100e-004	8.2000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6000e-004	7.5500e-004
tblVehicleEF	OBUS	1.8370e-003	1.8250e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.4690e-003	4.1440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.25
tblVehicleEF	OBUS	0.33	0.31
tblVehicleEF	OBUS	4.54	4.40
tblVehicleEF	OBUS	73.90	75.61
tblVehicleEF	OBUS	1,197.99	1,194.73
tblVehicleEF	OBUS	68.49	68.21
tblVehicleEF	OBUS	0.15	0.16
tblVehicleEF	OBUS	0.54	0.53
tblVehicleEF	OBUS	1.95	1.95
tblVehicleEF	OBUS	2.5110e-003	2.5150e-003
tblVehicleEF	OBUS	9.3700e-004	9.5100e-004
tblVehicleEF	OBUS	2.3820e-003	2.3850e-003
tblVehicleEF	OBUS	8.6200e-004	8.7400e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.29	0.28
tblVehicleEF	OBUS	7.1700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6400e-004	7.5900e-004
tblVehicleEF	OBUS	1.3260e-003	1.3110e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.06
tblVehicleEF	SBUS	8.76	8.90
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.04	7.76
tblVehicleEF	SBUS	1,056.06	1,041.87
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.45	5.84
tblVehicleEF	SBUS	2.88	2.57
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	4.9650e-003	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.7500e-003	3.9320e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.43	0.42
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4400e-004	7.5000e-004
tblVehicleEF	SBUS	3.5410e-003	3.6410e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.1010e-003	2.1730e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.47	0.46
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	8.68	8.82
tblVehicleEF	SBUS	0.78	0.70
tblVehicleEF	SBUS	6.64	6.41
tblVehicleEF	SBUS	1,101.09	1,085.74
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.66	6.03
tblVehicleEF	SBUS	2.72	2.43
tblVehicleEF	SBUS	11.12	10.88
tblVehicleEF	SBUS	4.1860e-003	3.4640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	4.0050e-003	3.3150e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.05
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.39	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	7.2700e-004
tblVehicleEF	SBUS	4.8740e-003	5.0140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.50	1.53
tblVehicleEF	SBUS	2.8420e-003	2.9340e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.42	0.41
tblVehicleEF	SBUS	0.82	0.82
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	0.06
tblVehicleEF	SBUS	8.88	9.01
tblVehicleEF	SBUS	0.77	0.69
tblVehicleEF	SBUS	8.17	7.89
tblVehicleEF	SBUS	993.88	981.30
tblVehicleEF	SBUS	1,050.26	1,043.09
tblVehicleEF	SBUS	60.45	61.54
tblVehicleEF	SBUS	6.17	5.59
tblVehicleEF	SBUS	2.83	2.53
tblVehicleEF	SBUS	11.15	10.91
tblVehicleEF	SBUS	6.0420e-003	5.0010e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.0880e-003	1.1220e-003
tblVehicleEF	SBUS	5.7800e-003	4.7840e-003
tblVehicleEF	SBUS	2.6390e-003	2.6320e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.0000e-003	1.0320e-003
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.04	1.06
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.42
tblVehicleEF	SBUS	9.7890e-003	9.6750e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.4600e-004	7.5200e-004
tblVehicleEF	SBUS	3.4160e-003	3.5000e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	1.51	1.53
tblVehicleEF	SBUS	2.0430e-003	2.1110e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.46
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.06
tblVehicleEF	UBUS	6.68	6.39
tblVehicleEF	UBUS	10.95	10.71
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.86	2.59

tblVehicleEF	UBUS	12.71	12.58
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.88	0.87
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.6000e-003	1.6080e-003
tblVehicleEF	UBUS	5.0820e-003	5.0430e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.3330e-003	3.3420e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.97	0.96
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	6.71	6.42
tblVehicleEF	UBUS	9.70	9.50
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.69	2.43
tblVehicleEF	UBUS	12.64	12.51
tblVehicleEF	UBUS	0.51	0.50

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003
tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	8.4160e-003	8.4070e-003
tblVehicleEF	UBUS	1.5790e-003	1.5870e-003
tblVehicleEF	UBUS	6.8520e-003	6.8040e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	4.4540e-003	4.4680e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	1.41	1.33
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.67	6.39
tblVehicleEF	UBUS	11.17	10.93
tblVehicleEF	UBUS	1,771.11	1,762.18
tblVehicleEF	UBUS	140.16	141.35
tblVehicleEF	UBUS	2.81	2.54
tblVehicleEF	UBUS	12.72	12.59
tblVehicleEF	UBUS	0.51	0.50
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3470e-003	1.3990e-003

tblVehicleEF	UBUS	0.22	0.22
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.2390e-003	1.2860e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	0.27	0.24
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	8.4160e-003	8.4060e-003
tblVehicleEF	UBUS	1.6040e-003	1.6120e-003
tblVehicleEF	UBUS	5.4900e-003	5.4220e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.3790e-003	3.3770e-003
tblVehicleEF	UBUS	1.71	1.60
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.98	0.97
tblWater	IndoorWaterUseRate	9,173,687.50	23,888,125.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	5.1142	43.2706	54.0621	0.1103	6.3967	1.8118	8.2085	1.1841	1.6853	2.8694	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528
Maximum	5.1142	43.2706	54.0621	0.1103	6.3967	1.8118	8.2085	1.1841	1.6853	2.8694	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.8607	8.4760	62.0168	0.1103	3.6169	0.1528	3.7697	0.7632	0.1519	0.9151	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528
Maximum	1.8607	8.4760	62.0168	0.1103	3.6169	0.1528	3.7697	0.7632	0.1519	0.9151	0.0000	10,768.4582	10,768.4582	2.4638	0.0000	10,830.0528

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	63.62	80.41	-14.71	0.00	43.46	91.57	54.08	35.55	90.99	68.11	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Total	1.6196	1.5923	5.2266	0.0243	2.5974	0.0330	2.6304	0.6945	0.0318	0.7263		2,611.3816	2,611.3816	0.0942	4.9000e-003	2,615.1962

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Energy	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Mobile	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Total	1.6196	1.5923	5.2266	0.0243	2.5974	0.0330	2.6304	0.6945	0.0318	0.7263		2,611.3816	2,611.3816	0.0942	4.9000e-003	2,615.1962

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 12	Demolition	2/5/2025	3/12/2025	5	26	
2	Construction of FBO Hangars and Office - 12	Building Construction	3/12/2025	7/11/2025	5	88	
3	Construction of Apron Concrete - 12	Paving	3/12/2025	5/14/2025	5	46	
4	Construction of Park Spaces / Lighting - 12	Paving	5/14/2025	7/3/2025	5	37	
5	Misc. concrete - 13	Paving	7/11/2025	8/15/2025	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 12	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 12	Excavators	3	8.00	158	0.38
Demolition - 12	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangars and Office - 12	Cranes	1	7.00	231	0.29
Construction of FBO Hangars and Office - 12	Forklifts	3	8.00	89	0.20
Construction of FBO Hangars and Office - 12	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangars and Office - 12	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangars and Office - 12	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangars and Office - 12	Welders	1	8.00	46	0.45
Construction of Apron Concrete- 12	Pavers	2	8.00	130	0.42
Construction of Apron Concrete- 12	Paving Equipment	2	8.00	132	0.36
Construction of Apron Concrete- 12	Rollers	2	8.00	80	0.38
Construction of Park Spaces / Lighting - 12	Air Compressors	0		78	0.48
Construction of Park Spaces / Lighting - 12	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 12	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 12	Rollers	2	8.00	80	0.38
Misc. concrete - 13	Pavers	2	8.00	130	0.42
Misc. concrete - 13	Paving Equipment	2	8.00	132	0.36
Misc. concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangars and Office - 12	9	110.00	43.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Apron Concrete- 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 12	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Misc. concrete - 13	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5571	0.0000	4.5571	0.6900	0.0000	0.6900			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	4.5571	0.8528	5.4099	0.6900	0.7920	1.4820		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7773	0.0000	1.7773	0.2691	0.0000	0.2691			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	1.7773	0.0616	1.8389	0.2691	0.0616	0.3307	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.3 Construction of FBO Hangars and Office - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.4744	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0811	2.7920	1.0275	9.7400e-003	0.2747	3.4900e-003	0.2782	0.0791	3.3400e-003	0.0824		1,067.837 7	1,067.8377	0.0823		1,069.895 9
Worker	0.3697	0.1813	2.3206	9.3700e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		934.8440	934.8440	0.0160		935.2440
Total	0.4508	2.9733	3.3481	0.0191	1.5043	0.0109	1.5152	0.4051	0.0102	0.4153		2,002.681 7	2,002.6817	0.0983		2,005.139 8

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0811	2.7920	1.0275	9.7400e-003	0.2747	3.4900e-003	0.2782	0.0791	3.3400e-003	0.0824		1,067.8377	1,067.8377	0.0823		1,069.8959
Worker	0.3697	0.1813	2.3206	9.3700e-003	1.2295	7.4500e-003	1.2370	0.3261	6.8500e-003	0.3329		934.8440	934.8440	0.0160		935.2440
Total	0.4508	2.9733	3.3481	0.0191	1.5043	0.0109	1.5152	0.4051	0.0102	0.4153		2,002.6817	2,002.6817	0.0983		2,005.1398

3.4 Construction of Apron Concrete- 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1025	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1874					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4679	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	127.4787	127.4787	2.1800e-003	127.5333	
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	127.4787	127.4787	2.1800e-003	127.5333	

3.5 Construction of Park Spaces / Lighting - 12 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1481	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	127.4787	127.4787	2.1800e-003	127.5333		
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454	127.4787	127.4787	2.1800e-003	127.5333		

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5134	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Misc. concrete - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2467	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.3315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6120	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098
Unmitigated	0.3472	1.3693	5.0127	0.0230	2.5974	0.0159	2.6133	0.6945	0.0148	0.7093		2,344.0871	2,344.0871	0.0889		2,346.3098

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	276.50	52.36	26.98	924,776	924,776
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	276.50	52.36	26.98	924,776	924,776

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
NaturalGas Unmitigated	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2271.52	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

General Light Industry	2.27152	0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0245	0.2227	0.1871	1.3400e-003		0.0169	0.0169		0.0169	0.0169		267.2371	267.2371	5.1200e-003	4.9000e-003	268.8251

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Unmitigated	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4600e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612
Total	1.2478	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0575	0.0575	1.5000e-004		0.0612

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 ALT1 Mitigated - Orange County, Summer

**JWA Phase 13 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	138.64	1000sqft	3.18	138,636.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	300.00	68.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	33.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	20.00	143.00
tblConstructionPhase	NumDays	20.00	46.00
tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	138,640.00	138,636.00
tblTripsAndVMT	HaulingTripNumber	1,553.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	8.4160	72.9989	86.9918	0.2298	14.4667	2.4952	16.9619	3.1753	2.3364	5.5117	0.0000	22,941.6074	22,941.6074	3.3809	0.0000	23,026.1295

2026	7.0911	61.4795	88.9401	0.1971	5.9611	2.3517	8.3128	1.6037	2.1858	3.7895	0.0000	19,562.55 32	19,562.553 2	3.6935	0.0000	19,654.89 05
Maximum	8.4160	72.9989	88.9401	0.2298	14.4667	2.4952	16.9619	3.1753	2.3364	5.5117	0.0000	22,941.60 74	22,941.607 4	3.6935	0.0000	23,026.12 95

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	3.6669	25.1007	94.9800	0.2298	10.7384	0.2438	10.9822	2.6108	0.2397	2.8505	0.0000	22,941.60 74	22,941.607 4	3.3809	0.0000	23,026.12 95
2026	3.1079	18.9108	99.8444	0.1971	5.9611	0.2348	6.1959	1.6037	0.2320	1.8357	0.0000	19,562.55 32	19,562.553 2	3.6935	0.0000	19,654.89 05
Maximum	3.6669	25.1007	99.8444	0.2298	10.7384	0.2438	10.9822	2.6108	0.2397	2.8505	0.0000	22,941.60 74	22,941.607 4	3.6935	0.0000	23,026.12 95

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	56.31	67.27	-10.74	0.00	18.25	90.13	32.03	11.81	89.57	49.62	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.174 7	8,962.1747	0.3291		8,970.402 3

Total	4.7011	5.7632	20.1856	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1840	9,764.1840	0.3448	0.0147	9,777.1837
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Total	4.7011	5.7632	20.1856	0.0919	9.4772	0.1095	9.5867	2.5341	0.1052	2.6394		9,764.1840	9,764.1840	0.3448	0.0147	9,777.1837

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	8/12/2025	10/27/2025	5	55	
2	Construction of FBO Hangers - 13	Building Construction	10/27/2025	1/28/2026	5	68	
3	Construction of Offices - 13	Building Construction	10/27/2025	3/6/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	10/27/2025	12/10/2025	5	33	
5	Construction of Park Spaces / Lighting - 13	Paving	12/12/2025	2/23/2026	5	52	
6	Construction of Parking Garage - 13	Paving	12/12/2025	6/30/2026	5	143	
7	Apron concrete - 13	Paving	1/28/2026	4/1/2026	5	46	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45

Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1118	0.0000	6.1118	0.9254	0.0000	0.9254			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	6.1118	0.8528	6.9646	0.9254	0.7920	1.7174		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3836	0.0000	2.3836	0.3609	0.0000	0.3609			0.0000			0.0000

Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	2.3836	0.0616	2.4453	0.3609	0.0616	0.4225	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

3.3 Construction of FBO Hangers - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1387	5.0908	1.7398	0.0182	0.5047	5.9800e-003	0.5107	0.1452	5.7100e-003	0.1510		1,997.9608	1,997.9608	0.1439		2,001.5570
Worker	0.5601	0.2757	4.2933	0.0173	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,722.0226	1,722.0226	0.0282		1,722.7278
Total	0.6987	5.3664	6.0330	0.0355	2.7291	0.0191	2.7481	0.7352	0.0177	0.7529		3,719.9835	3,719.9835	0.1721		3,724.2847

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1420	5.1583	1.7533	0.0183	0.5047	6.1100e-003	0.5108	0.1452	5.8400e-003	0.1511		2,009.9949	2,009.9949	0.1458		2,013.6386
Worker	0.5837	0.2986	4.5716	0.0179	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,786.6429	1,786.6429	0.0307		1,787.4098
Total	0.7257	5.4569	6.3249	0.0362	2.7291	0.0196	2.7486	0.7352	0.0182	0.7534		3,796.6377	3,796.6377	0.1764		3,801.0485

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.6 Construction of Park Spaces / Lighting - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294
Total	0.0440	0.0225	0.3446	1.3500e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		134.6716	134.6716	2.3100e-003		134.7294

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003		129.8539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3198	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003	129.8539
Total	0.0422	0.0208	0.3236	1.3000e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		129.8007	129.8007	2.1300e-003	129.8539

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023
Unmitigated	1.3622	5.0945	19.5750	0.0878	9.4772	0.0586	9.5357	2.5341	0.0543	2.5884		8,962.1747	8,962.1747	0.3291		8,970.4023

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Unmitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 13 ALT1 Mitigated - Orange County, Winter

**JWA Phase 13 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Office Building	18.00	1000sqft	0.41	18,000.00	0
General Light Industry	103.30	1000sqft	2.37	103,295.00	0
Enclosed Parking with Elevator	175.53	1000sqft	4.03	175,528.00	0
Other Asphalt Surfaces	30.00	1000sqft	0.69	29,997.00	0
Other Non-Asphalt Surfaces	138.64	1000sqft	3.18	138,636.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - * Defined in project schedule and ROM estimate

Construction Phase - * Defined in project schedule and RON estimate

Off-road Equipment -

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	300.00	68.00
tblConstructionPhase	NumDays	300.00	95.00
tblConstructionPhase	NumDays	300.00	33.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	52.00
tblConstructionPhase	NumDays	20.00	143.00
tblConstructionPhase	NumDays	20.00	46.00
tblLandUse	LandUseSquareFeet	103,300.00	103,295.00
tblLandUse	LandUseSquareFeet	175,530.00	175,528.00
tblLandUse	LandUseSquareFeet	30,000.00	29,997.00
tblLandUse	LandUseSquareFeet	138,640.00	138,636.00
tblTripsAndVMT	HaulingTripNumber	1,553.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	8.6986	73.0025	86.2467	0.2256	14.4667	2.4961	16.9628	3.1753	2.3373	5.5126	0.0000	22,503.67	22,503.678	3.3920	0.0000	22,588.47
												87	7			99

2026	7.2906	61.4829	88.4156	0.1942	5.9611	2.3523	8.3134	1.6037	2.1863	3.7900	0.0000	19,262.81 23	19,262.812 3	3.7003	0.0000	19,355.32 07
Maximum	8.6986	73.0025	88.4156	0.2256	14.4667	2.4961	16.9628	3.1753	2.3373	5.5126	0.0000	22,503.67 87	22,503.678 7	3.7003	0.0000	22,588.47 99

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	3.9495	25.1043	94.2349	0.2256	10.7384	0.2447	10.9831	2.6108	0.2405	2.8513	0.0000	22,503.67 87	22,503.678 7	3.3920	0.0000	22,588.47 99
2026	3.3074	18.9142	99.3199	0.1942	5.9611	0.2354	6.1965	1.6037	0.2325	1.8362	0.0000	19,262.81 23	19,262.812 3	3.7003	0.0000	19,355.32 07
Maximum	3.9495	25.1043	99.3199	0.2256	10.7384	0.2447	10.9831	2.6108	0.2405	2.8513	0.0000	22,503.67 87	22,503.678 7	3.7003	0.0000	22,588.47 99

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	54.61	67.27	-10.82	0.00	18.25	90.10	32.03	11.81	89.54	49.61	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.070 5	8,582.0705	0.3280		8,590.270 3

Total	4.6753	5.8979	19.1803	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.0798	9,384.0798	0.3436	0.0147	9,397.0518
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Energy	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
Mobile	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Total	4.6753	5.8979	19.1803	0.0881	9.4772	0.1097	9.5868	2.5341	0.1054	2.6395		9,384.0798	9,384.0798	0.3436	0.0147	9,397.0518

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 13	Demolition	8/12/2025	10/27/2025	5	55	
2	Construction of FBO Hangers - 13	Building Construction	10/27/2025	1/28/2026	5	68	
3	Construction of Offices - 13	Building Construction	10/27/2025	3/6/2026	5	95	
4	Construction Set Up of Customs Area - 13	Building Construction	10/27/2025	12/10/2025	5	33	
5	Construction of Park Spaces / Lighting - 13	Paving	12/12/2025	2/23/2026	5	52	
6	Construction of Parking Garage - 13	Paving	12/12/2025	6/30/2026	5	143	
7	Apron concrete - 13	Paving	1/28/2026	4/1/2026	5	46	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 13	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 13	Excavators	3	8.00	158	0.38
Demolition - 13	Rubber Tired Dozers	2	8.00	247	0.40
Construction of FBO Hangers - 13	Cranes	1	7.00	231	0.29
Construction of FBO Hangers - 13	Forklifts	3	8.00	89	0.20
Construction of FBO Hangers - 13	Generator Sets	1	8.00	84	0.74
Construction of FBO Hangers - 13	Rubber Tired Dozers	0		247	0.40
Construction of FBO Hangers - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of FBO Hangers - 13	Welders	1	8.00	46	0.45
Construction of Offices - 13	Cranes	1	7.00	231	0.29
Construction of Offices - 13	Excavators	0		158	0.38
Construction of Offices - 13	Forklifts	3	8.00	89	0.20
Construction of Offices - 13	Generator Sets	1	8.00	84	0.74
Construction of Offices - 13	Graders	0		187	0.41
Construction of Offices - 13	Rubber Tired Dozers	0		247	0.40
Construction of Offices - 13	Scrapers	0		367	0.48
Construction of Offices - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction of Offices - 13	Welders	1	8.00	46	0.45
Construction Set Up of Customs Area - 13	Cranes	1	7.00	231	0.29
Construction Set Up of Customs Area - 13	Forklifts	3	8.00	89	0.20
Construction Set Up of Customs Area - 13	Generator Sets	1	8.00	84	0.74
Construction Set Up of Customs Area - 13	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Set Up of Customs Area - 13	Welders	1	8.00	46	0.45

Construction of Park Spaces / Lighting - 13	Pavers	2	8.00	130	0.42
Construction of Park Spaces / Lighting - 13	Paving Equipment	2	8.00	132	0.36
Construction of Park Spaces / Lighting - 13	Rollers	2	8.00	80	0.38
Construction of Parking Garage - 13	Air Compressors	0		78	0.48
Construction of Parking Garage - 13	Pavers	2	8.00	130	0.42
Construction of Parking Garage - 13	Paving Equipment	2	8.00	132	0.36
Construction of Parking Garage - 13	Rollers	2	8.00	80	0.38
Apron concrete - 13	Pavers	2	8.00	130	0.42
Apron concrete - 13	Paving Equipment	2	8.00	132	0.36
Apron concrete - 13	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Demolition - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of FBO Hangers - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Offices - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Set Up of Customs Area - 13		9	199.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Park Spaces / Lighting - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction of Parking Garage - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Apron concrete - 13		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1118	0.0000	6.1118	0.9254	0.0000	0.9254			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	6.1118	0.8528	6.9646	0.9254	0.7920	1.7174		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3836	0.0000	2.3836	0.3609	0.0000	0.3609			0.0000			0.0000

Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	2.3836	0.0616	2.4453	0.3609	0.0616	0.4225	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.3 Construction of FBO Hangers - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

3.3 Construction of FBO Hangers - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

3.4 Construction of Offices - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

3.4 Construction of Offices - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491			1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266			1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757			3,584.8992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010			2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1455	5.0624	1.8711	0.0178	0.5047	6.2500e-003	0.5110	0.1452	5.9700e-003	0.1512		1,950.4216	1,950.4216	0.1491		1,954.1482
Worker	0.6436	0.3027	3.9396	0.0163	2.2244	0.0131	2.2374	0.5899	0.0120	0.6019		1,630.0862	1,630.0862	0.0266		1,630.7510
Total	0.7890	5.3651	5.8107	0.0341	2.7291	0.0193	2.7484	0.7352	0.0180	0.7531		3,580.5078	3,580.5078	0.1757		3,584.8992

3.5 Construction Set Up of Customs Area - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1491	5.1295	1.8877	0.0179	0.5047	6.4200e-003	0.5111	0.1452	6.1400e-003	0.1514		1,961.8413	1,961.8413	0.1513		1,965.6226
Worker	0.6687	0.3279	4.1982	0.0170	2.2244	0.0135	2.2378	0.5899	0.0124	0.6023		1,691.2178	1,691.2178	0.0289		1,691.9413
Total	0.8178	5.4574	6.0860	0.0349	2.7291	0.0199	2.7489	0.7352	0.0185	0.7537		3,653.0591	3,653.0591	0.1802		3,657.5640

3.6 Construction of Park Spaces / Lighting - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.6 Construction of Park Spaces / Lighting - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9499	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3152	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

3.7 Construction of Parking Garage - 13 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333
Total	0.0504	0.0247	0.3165	1.2800e-003	0.1677	1.0200e-003	0.1687	0.0445	9.3000e-004	0.0454		127.4787	127.4787	2.1800e-003		127.5333

3.7 Construction of Parking Garage - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9278	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Paving	0.0126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2931	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

3.8 Apron concrete - 13 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9545	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454		122.8708	122.8708	2.0000e-003		122.9209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3198	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	122.8708	122.8708	2.0000e-003	122.9209	
Total	0.0485	0.0228	0.2970	1.2300e-003	0.1677	9.9000e-004	0.1687	0.0445	9.1000e-004	0.0454	122.8708	122.8708	2.0000e-003	122.9209	

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703
Unmitigated	1.3364	5.2292	18.5697	0.0841	9.4772	0.0587	9.5358	2.5341	0.0544	2.5885		8,582.0705	8,582.0705	0.3280		8,590.2703

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	720.00	136.36	70.24	2,408,100	2,408,100
General Office Building	198.54	44.28	18.90	485,925	485,925
General Office Building	198.54	44.28	18.90	485,925	485,925
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,117.08	224.92	108.04	3,379,951	3,379,951

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Light Industry	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
General Office Building	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818
Other Non-Asphalt Surfaces	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Natural Gas Mitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

NaturalGas Unmitigated	0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5914.7	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	450.74	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	5.9147	0.0638	0.5799	0.4871	3.4800e-003		0.0441	0.0441		0.0441	0.0441		695.8471	695.8471	0.0133	0.0128	699.9821
General Office Building	0.45074	9.7200e-003	0.0884	0.0742	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.0564	106.0564	2.0300e-003	1.9400e-003	106.6867

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6683	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.9035	801.9035	0.0154	0.0147	806.6688

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127
Unmitigated	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1058	0.1058	2.8000e-004		0.1127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day					
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004		0.1127

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.3809					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8799					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	4.5300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127
Total	3.2654	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004			1.8000e-004	1.8000e-004	0.1058	0.1058	2.8000e-004			0.1127

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 ALT1 Mitigated - Orange County, Summer

**JWA Phase 14 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - * Detailed in project schedule and RON estimate
- Off-road Equipment -
- Off-road Equipment - * Defined in project schedule and RON estimate
- Trips and VMT -
- Demolition -
- Area Coating - * Defined in project schedule and RON estimate
- Construction Off-road Equipment Mitigation - *

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,500.00	1,432.00
tblAreaCoating	Area_Parking	1500	26500
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00
tblTripsAndVMT	HaulingTripNumber	121.00	109.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

2024	1.8094	12.3408	15.8525	0.0336	3.1113	0.4983	3.6095	0.5299	0.4708	1.0007	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017
Maximum	1.8094	12.3408	15.8525	0.0336	3.1113	0.4983	3.6095	0.5299	0.4708	1.0007	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1800	2.6932	16.1799	0.0336	1.5201	0.0377	1.5577	0.2890	0.0374	0.3263	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017
Maximum	1.1800	2.6932	16.1799	0.0336	1.5201	0.0377	1.5577	0.2890	0.0374	0.3263	0.0000	3,309.9729	3,309.9729	0.6052	0.0000	3,325.1017

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.79	78.18	-2.07	0.00	51.14	92.44	56.85	45.47	92.06	67.39	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0502	1.5877	0.7372	7.6600e-003	0.1898	3.1200e-003	0.1929	0.0519	2.9900e-003	0.0549		863.0662	863.0662	0.0906		865.3308
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0809	1.6040	0.9833	8.6000e-003	0.3015	3.8100e-003	0.3053	0.0816	3.6200e-003	0.0852		956.6305	956.6305	0.0923		958.9373

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					1.0173	0.0000	1.0173	0.1540	0.0000	0.1540			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.1326	0.5747	7.8509	0.0120	1.0173	0.0177	1.0350	0.1540	0.0177	0.1717	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0502	1.5877	0.7372	7.6600e-003	0.1898	3.1200e-003	0.1929	0.0519	2.9900e-003	0.0549		863.0662	863.0662	0.0906		865.3308
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0307	0.0164	0.2461	9.4000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		93.5643	93.5643	1.6900e-003		93.6064
Total	0.0809	1.6040	0.9833	8.6000e-003	0.3015	3.8100e-003	0.3053	0.0816	3.6200e-003	0.0852		956.6305	956.6305	0.0923		958.9373

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1407	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916
Total	0.0553	0.0295	0.4430	1.6900e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		168.4158	168.4158	3.0300e-003		168.4916

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004	18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004	18.7213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	0.9779	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213
Total	6.1400e-003	3.2700e-003	0.0492	1.9000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		18.7129	18.7129	3.4000e-004		18.7213

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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SubCategory	lb/day										lb/day						
Architectural Coating	0.0337					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Consumer Products	8.8600e-003					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.0337					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 14 ALT1 Mitigated - Orange County, Winter

**JWA Phase 14 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - * Detailed in project schedule and RON estimate

Off-road Equipment -

Off-road Equipment - * Defined in project schedule and RON estimate

Trips and VMT -

Demolition -

Area Coating - * Defined in project schedule and RON estimate

Construction Off-road Equipment Mitigation - *

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,500.00	1,432.00
tblAreaCoating	Area_Parking	1500	26500
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	7.00
tblConstructionPhase	NumDays	5.00	52.00
tblTripsAndVMT	HaulingTripNumber	121.00	109.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					

2024	1.8182	12.3532	15.8209	0.0333	3.1113	0.4984	3.6096	0.5299	0.4709	1.0008	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490
Maximum	1.8182	12.3532	15.8209	0.0333	3.1113	0.4984	3.6096	0.5299	0.4709	1.0008	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.1887	2.7057	16.1484	0.0333	1.5201	0.0377	1.5578	0.2890	0.0375	0.3264	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490
Maximum	1.1887	2.7057	16.1484	0.0333	1.5201	0.0377	1.5578	0.2890	0.0375	0.3264	0.0000	3,282.9894	3,282.9894	0.6064	0.0000	3,298.1490

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	34.62	78.10	-2.07	0.00	51.14	92.43	56.84	45.47	92.05	67.38	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0427	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	5.4700e-003	5.4700e-003	1.0000e-005	0.0000	5.8300e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - 14	Demolition	7/31/2024	8/13/2024	5	10	
2	East Access Road Relocation - 14	Paving	8/6/2024	10/16/2024	5	52	
3	New Marking - 14	Architectural Coating	10/16/2024	10/24/2024	5	7	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,432

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - 14	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - 14	Rubber Tired Dozers	1	1.00	247	0.40
Demolition - 14	Tractors/Loaders/Backhoes	2	6.00	97	0.37
East Access Road Relocation - 14	Cement and Mortar Mixers	4	6.00	9	0.56
East Access Road Relocation - 14	Graders	0		187	0.41
East Access Road Relocation - 14	Pavers	1	7.00	130	0.42
East Access Road Relocation - 14	Rollers	1	7.00	80	0.38
East Access Road Relocation - 14	Tractors/Loaders/Backhoes	1	7.00	97	0.37
New Marking - 14	Air Compressors	1	6.00	78	0.48
New Marking - 14	Concrete/Industrial Saws	0		81	0.73
New Marking - 14	Rubber Tired Dozers	0		247	0.40
New Marking - 14	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - 14	4	10.00	0.00	109.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Access Road Relocation - 14	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 14	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6085	0.0000	2.6085	0.3950	0.0000	0.3950			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.6156	5.4776	7.3949	0.0120	2.6085	0.2504	2.8589	0.3950	0.2392	0.6342		1,148.6874	1,148.6874	0.2080		1,153.8870

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0514	1.5957	0.7614	7.5500e-003	0.1898	3.2200e-003	0.1930	0.0519	3.0800e-003	0.0550		850.0874	850.0874	0.0921		852.3896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0865	1.6136	0.9876	8.4400e-003	0.3015	3.9100e-003	0.3054	0.0816	3.7100e-003	0.0853		938.6501	938.6501	0.0937		940.9919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					1.0173	0.0000	1.0173	0.1540	0.0000	0.1540			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870
Total	0.1326	0.5747	7.8509	0.0120	1.0173	0.0177	1.0350	0.1540	0.0177	0.1717	0.0000	1,148.6874	1,148.6874	0.2080		1,153.8870

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0514	1.5957	0.7614	7.5500e-003	0.1898	3.2200e-003	0.1930	0.0519	3.0800e-003	0.0550		850.0874	850.0874	0.0921		852.3896
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0351	0.0180	0.2262	8.9000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.3000e-004	0.0303		88.5626	88.5626	1.5900e-003		88.6024
Total	0.0865	1.6136	0.9876	8.4400e-003	0.3015	3.9100e-003	0.3054	0.0816	3.7100e-003	0.0853		938.6501	938.6501	0.0937		940.9919

3.3 East Access Road Relocation - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.6191	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1407	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843
Total	0.0631	0.0323	0.4071	1.6000e-003	0.2012	1.2300e-003	0.2024	0.0534	1.1400e-003	0.0545		159.4127	159.4127	2.8600e-003		159.4843

3.4 New Marking - 14 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	1.1290	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	0.9779	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205
Total	7.0100e-003	3.5900e-003	0.0452	1.8000e-004	0.0224	1.4000e-004	0.0225	5.9300e-003	1.3000e-004	6.0500e-003		17.7125	17.7125	3.2000e-004		17.7205

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.566758	0.042765	0.209365	0.107075	0.014132	0.005761	0.026332	0.018095	0.001807	0.001489	0.004961	0.000606	0.000854

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
--	-----	-----	----	-----	---------------	--------------	------------	----------------	---------------	-------------	----------	-----------	-----------	-----	-----	------

SubCategory	lb/day										lb/day						
Architectural Coating	0.0337					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Consumer Products	8.8600e-003					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005			1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003
Total	0.0427	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 ALT1 Mitigated - Orange County, Summer

**JWA Phase 15 ALT1 Mitigated
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	212.15	1000sqft	4.87	212,148.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating - * See Proposed Project

Area Coating - * Defined in project schedule and RON estimate

* See Proposed Project for low VOC emission factor

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - * See Proposed Project mitigation

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	62.00
tblLandUse	LandUseSquareFeet	212,150.00	212,148.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0842	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	29.7210	7.5598	12.6093	0.0207	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	29.7210	7.5621	12.6373	0.0207	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.4839	0.9809	13.9918	0.0207	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133
2026	29.5798	0.9786	13.9638	0.0207	0.2236	0.0306	0.2541	0.0593	0.0305	0.0898	0.0000	1,978.4602	1,978.4602	0.5701	0.0000	1,992.7125
Maximum	29.5798	0.9809	13.9918	0.0207	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,984.9547	1,984.9547	0.5703	0.0000	1,999.2133

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.41	87.04	-10.73	0.00	0.00	91.35	55.97	0.00	90.68	76.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	12/12/2025	1/6/2026	5	62	
2	New Marking - 15	Architectural Coating	3/10/2026	3/10/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 12,729

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392
Total	0.0587	0.0300	0.4595	1.8000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		179.5621	179.5621	3.0800e-003		179.6392

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385
Total	0.0563	0.0277	0.4315	1.7300e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		173.0676	173.0676	2.8300e-003		173.1385

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	29.6703	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246
Total	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	29.5292	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246
Total	0.0507	0.0249	0.3883	1.5600e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		155.7608	155.7608	2.5500e-003		155.8246

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Unmitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

JWA Phase 15 ALT1 Mitigated - Orange County, Winter

**JWA Phase 15 ALT1 Mitigated
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	212.15	1000sqft	4.87	212,148.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2027
Utility Company	Statewide Average				
CO2 Intensity (lb/MW hr)	1001.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - * Detailed in project schedule and ROM schedule

Off-road Equipment - * Detailed in project schedule and ROM estimate

Off-road Equipment - * Detailed in project schedule and ROM estimate

Demolition -

Architectural Coating - * See Proposed Project

Area Coating - * Defined in project schedule and RON estimate

* See Proposed Project for low VOC emission factor

Construction Off-road Equipment Mitigation - * Mitigation

Area Mitigation - * See Proposed Project mitigation

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Parking	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	1.00
tblConstructionPhase	NumDays	18.00	62.00
tblLandUse	LandUseSquareFeet	212,150.00	212,148.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.0927	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184
2026	29.7285	7.5625	12.5737	0.0206	0.2236	0.3537	0.5773	0.0593	0.3271	0.3864	0.0000	1,969.2203	1,969.2203	0.5699	0.0000	1,983.4686
Maximum	29.7285	7.5650	12.5997	0.0206	0.2236	0.3537	0.5773	0.0593	0.3272	0.3864	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.4925	0.9839	13.9542	0.0206	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184
2026	29.5874	0.9813	13.9283	0.0206	0.2236	0.0306	0.2541	0.0593	0.0305	0.0898	0.0000	1,969.2203	1,969.2203	0.5699	0.0000	1,983.4686
Maximum	29.5874	0.9839	13.9542	0.0206	0.2236	0.0306	0.2542	0.0593	0.0305	0.0898	0.0000	1,975.3642	1,975.3642	0.5702	0.0000	1,989.6184

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.41	87.01	-10.76	0.00	0.00	91.35	55.97	0.00	90.68	76.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0852	2.0000e-004	0.0216	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004	0.0000	0.0495

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Install Traffic Signals - 15	Paving	12/12/2025	1/6/2026	5	62	
2	New Marking - 15	Architectural Coating	3/10/2026	3/10/2026	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 12,729

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Install Traffic Signals - 15	Cement and Mortar Mixers	2	6.00	9	0.56
Install Traffic Signals - 15	Concrete/Industrial Saws	0		81	0.73
Install Traffic Signals - 15	Excavators	0		158	0.38
Install Traffic Signals - 15	Pavers	1	8.00	130	0.42
Install Traffic Signals - 15	Paving Equipment	2	6.00	132	0.36
Install Traffic Signals - 15	Rollers	2	6.00	80	0.38
Install Traffic Signals - 15	Rubber Tired Dozers	0		247	0.40
Install Traffic Signals - 15	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Marking - 15	Air Compressors	1	6.00	78	0.48
New Marking - 15	Rubber Tired Dozers	0		247	0.40
New Marking - 15	Tractors/Loaders/Backhoes	0		97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Install Traffic Signals - 15	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Marking - 15	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Install Traffic Signals - 15 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444
Total	0.0672	0.0330	0.4219	1.7000e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2500e-003	0.0605		169.9716	169.9716	2.9100e-003		170.0444

3.2 Install Traffic Signals - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.0255	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.2058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4252	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946
Total	0.0647	0.0304	0.3959	1.6400e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		163.8278	163.8278	2.6700e-003		163.8946

3.3 New Marking - 15 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	29.6703	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051
Total	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.4995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	29.5292	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051
Total	0.0582	0.0274	0.3564	1.4800e-003	0.2012	1.1800e-003	0.2024	0.0534	1.0900e-003	0.0545		147.4450	147.4450	2.4100e-003		147.5051

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.568711	0.042557	0.209419	0.105092	0.013499	0.005762	0.026536	0.018711	0.001838	0.001461	0.004981	0.000615	0.000818

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Unmitigated	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495
Total	0.0852	2.0000e-004	0.0216	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0464	0.0464	1.2000e-004		0.0495

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
