

Lake Elsinore Honda Project

Air Quality Technical Report

April 2018 | DEA-08

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ACRONYMS AND ABBREVIATIONS

ADT	Average Daily Trips
AQMP	Air Quality Management Plan
APN	Assessor's Parcel Number
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
City	City of Lake Elsinore
CO	carbon monoxide
DEA	David Evans and Associates, Inc.
DPM	diesel particulate matter
F	Fahrenheit
H ₂ S	hydrogen sulfide
HI	Hazard Index
I-	Interstate
LOS	Level of Service
LST	localized significance threshold
mph	miles per hour
NAAQS	National Ambient Air Quality Standards
NO	nitrogen oxide
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
O ₃	ozone
Pb	lead
PM ₁₀	particulate matter less than 10 microns
PM _{2.5}	particulate matter less than 2.5 microns
ppm	parts per million
ROG	reactive organic gas
RTP	Regional Transportation Plan

ACRONYMS AND ABBREVIATIONS (cont.)

SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
SCS	Sustainable Communities Strategy
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SO _x	sulfur oxides
SRA	source receptor area
TACs	toxic air contaminants
TIA	Traffic Impact Analysis
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
WRCC	Western Regional Climate Center

EXECUTIVE SUMMARY

This report assesses potential air quality impacts during construction and operation of the proposed Lake Elsinore Honda Project (project), located at the northern corner of Collier Avenue and 3rd Street in the City of Lake Elsinore.

The project would result in emissions of criteria air pollutants during construction and operation. Construction emissions include fugitive dust, heavy construction equipment exhaust, and vehicle trips associated with workers commuting to and from the site and trucks hauling materials. To account for the requirements of South Coast Air Quality Management District (SCAQMD) Rule 403, fugitive dust control measures including the use of an on-site water truck to wet down active grading areas and roads at least twice daily are incorporated into the project design. Use of Super-Compliant architectural coatings, as defined by the SCAQMD, are also being incorporated into the project design. Operational sources of emissions include area, on-site energy use, and transportation. Project emissions of criteria pollutants during construction and operations would remain below SCAQMD emissions thresholds.

The project would be consistent with air quality policies set forth by the SCAQMD as presented in the most recent Air Quality Management Plan.

Project-generated traffic would not result in a carbon monoxide hot spot. Construction and operation of the project would not result in exposure of sensitive receptors to significant quantities of toxic air contaminants. In addition, evaluation of potential odors from the project indicated that associated impacts would be less than significant.

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1.0 INTRODUCTION

1.1 PURPOSE OF THE REPORT

This report analyzes potential air quality impacts associated with the proposed Lake Elsinore Honda Dealership project (project). The analysis includes a description of existing conditions in the project vicinity, an assessment of potential impacts associated with project construction, and an evaluation of project post-construction (operational) air quality impacts. Analysis within this report addresses the relevant issues listed in Appendix G of the California Environmental Quality Act (CEQA) Guidelines.

1.2 PROJECT LOCATION

The project site is located on an approximately 7-acre site in the City of Lake Elsinore, California (City). The site is located at the northern corner of Collier Avenue and 3rd Street. Interstate (I-) 15 borders the site along the northeastern edge. A lot currently under the construction of a commercial use is located along the project's northwestern boundary. A pump station is located immediately adjacent to the southwestern edge of the site, separated from the site by a masonry wall. Commercial manufacturing and office uses are located to the southwest across Collier Avenue. See Figure 1, *Regional Location*, and Figure 2, *Project Vicinity*.

1.3 PROJECT DESCRIPTION

The project proposes a new 53,425-square foot Honda automotive dealership on an undeveloped site that currently consists of three contiguous parcels (Assessor's Parcel Numbers [APN] 377-080-053, 377-080-057, and 377-080-079). The project would construct a single-story, approximately 30-foot high structure which includes showroom displays, sales offices, parts inventories, and automotive repair services, and a hand-detailing car wash. A separate automated car wash building would be constructed northeast of the main structure, near I-15. See Figure 3, *Site Plan*. The project would require earthwork activities, including 3,800 cubic yards of cut and 24,00 cubic yards of fill. The site is zoned as General Commercial (GC) with a General Commercial land use designation (City 2011).

Other features include a large paved area for car sales, car servicing, and parking. The project would contain 465 parking spaces, 244 of which would be for inventory and display. Parking would also incorporate 18 clean air vehicle spaces and 22 bicycle parking spaces; 11 short-term and 11 long-term storage lockers. Three driveways would be constructed, two along Collier Avenue and one located north of the project site. Landscaped areas would be located throughout the site and along the perimeter and would be planted with drought-tolerant species and utilize smart irrigation techniques. Landscaping would include planting approximately 98 trees throughout the project site and would provide shade to the parking area and building. A bioswale with basin vegetation would be located at the northwestern edge of the site. The car wash, a separate building northeast and adjacent to the dealership, would use reclaimed water in its operations. A decorative sidewalk with six concrete ramps would be constructed from Collier Avenue to the showroom entrance and would bisect three landscape areas. Infrastructure and storm drain improvements would occur along Collier Avenue and surrounding and within the property prior to building construction.

1.4 CONSTRUCTION ACTIVITIES AND PHASING

Project construction is assumed to begin in September 2018 and be completed in September 2019. Construction activities include site preparation, grading, installation of underground utilities, construction of structures, paving of the site, and the application of architectural coatings. Grading would involve the import of 20,200 cubic yards of fill and export of 16 cubic yards. Overall construction is expected to last approximately one year. Detailed construction phasing and equipment assumptions are provided in Appendix A.

2.0 REGULATORY SETTING

2.1 CRITERIA POLLUTANTS

Criteria pollutants are defined by state and federal law as a risk to the health and welfare of the general public. In general, air pollutants include the following compounds:

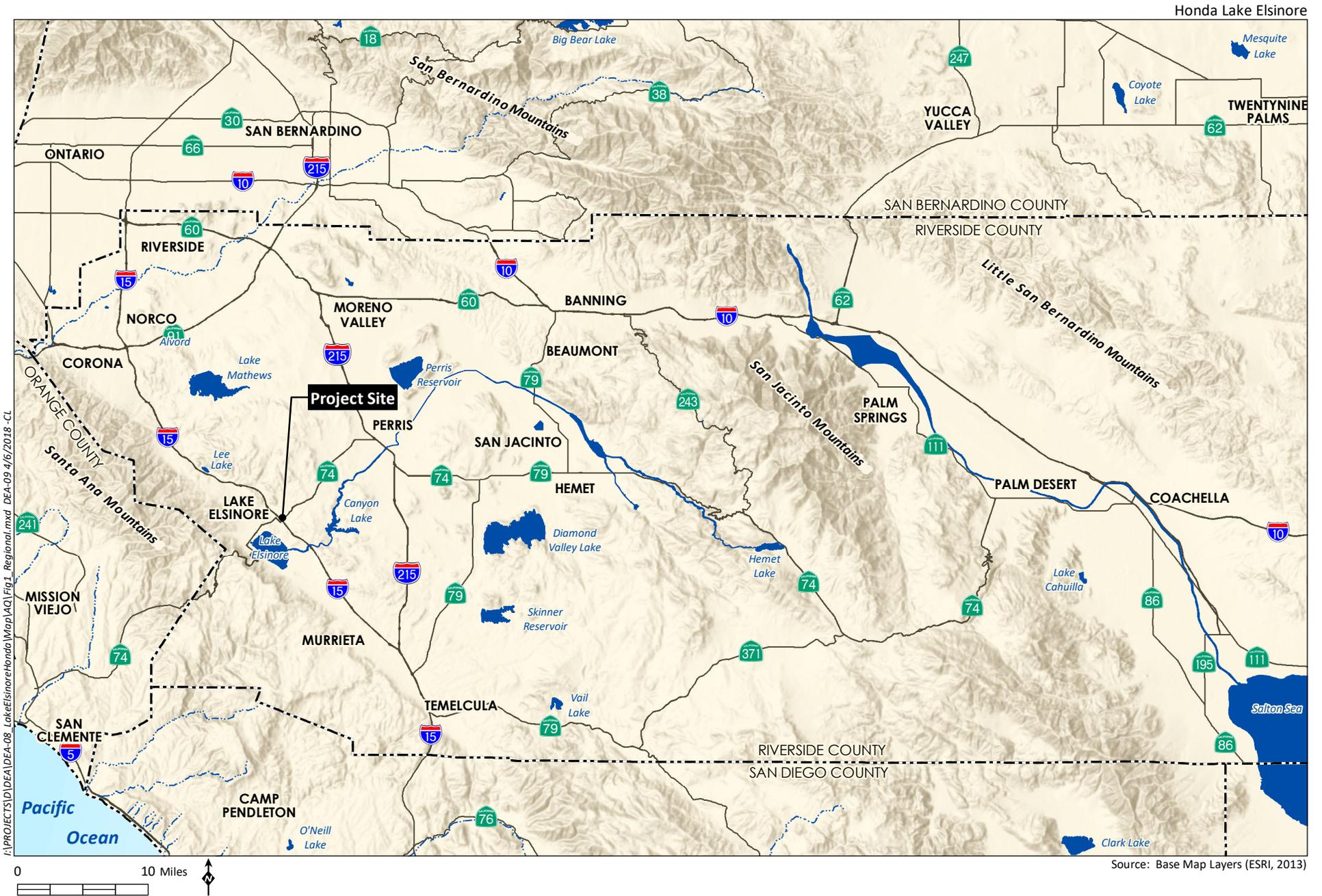
- Ozone (O₃)
- Reactive organic gases (ROGs) or volatile organic compounds (VOCs)
- Carbon monoxide (CO)
- Nitrogen dioxide (NO₂)
- Respirable particulate matter and fine particulate matter (PM₁₀ and PM_{2.5})
- Sulfur dioxide (SO₂)
- Lead (Pb)

The following specific descriptions of health effects for each of the air pollutants potentially associated with project construction and operation are based on information provided by the California Air Resources Board (CARB; 2009) and the U.S. Environmental Protection Agency (USEPA; 2017).

Ozone. Ozone is considered a photochemical oxidant, which is a chemical that is formed when VOCs and nitrogen oxides (NO_x), both by-products of fuel combustion, react in the presence of ultraviolet light. Ozone is considered a respiratory irritant and prolonged exposure can reduce lung function, aggravate asthma, and increase susceptibility to respiratory infections. Children and those with existing respiratory diseases are at greatest risk from exposure to ozone.

Reactive Organic Gases. ROGs (also known as VOCs) are compounds composed primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of ROGs. Other sources of ROGs include evaporative emissions from paints and solvents, the application of asphalt paving, and the use of household consumer products such as aerosols. Adverse effects on human health are not caused directly by ROGs, but rather by reactions of ROGs to form secondary pollutants such as ozone.

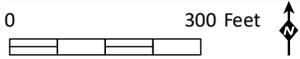
Carbon Monoxide. CO is a by-product of fuel combustion. CO is an odorless, colorless gas. CO affects red blood cells in the body by binding to hemoglobin and reducing the amount of oxygen that can be carried



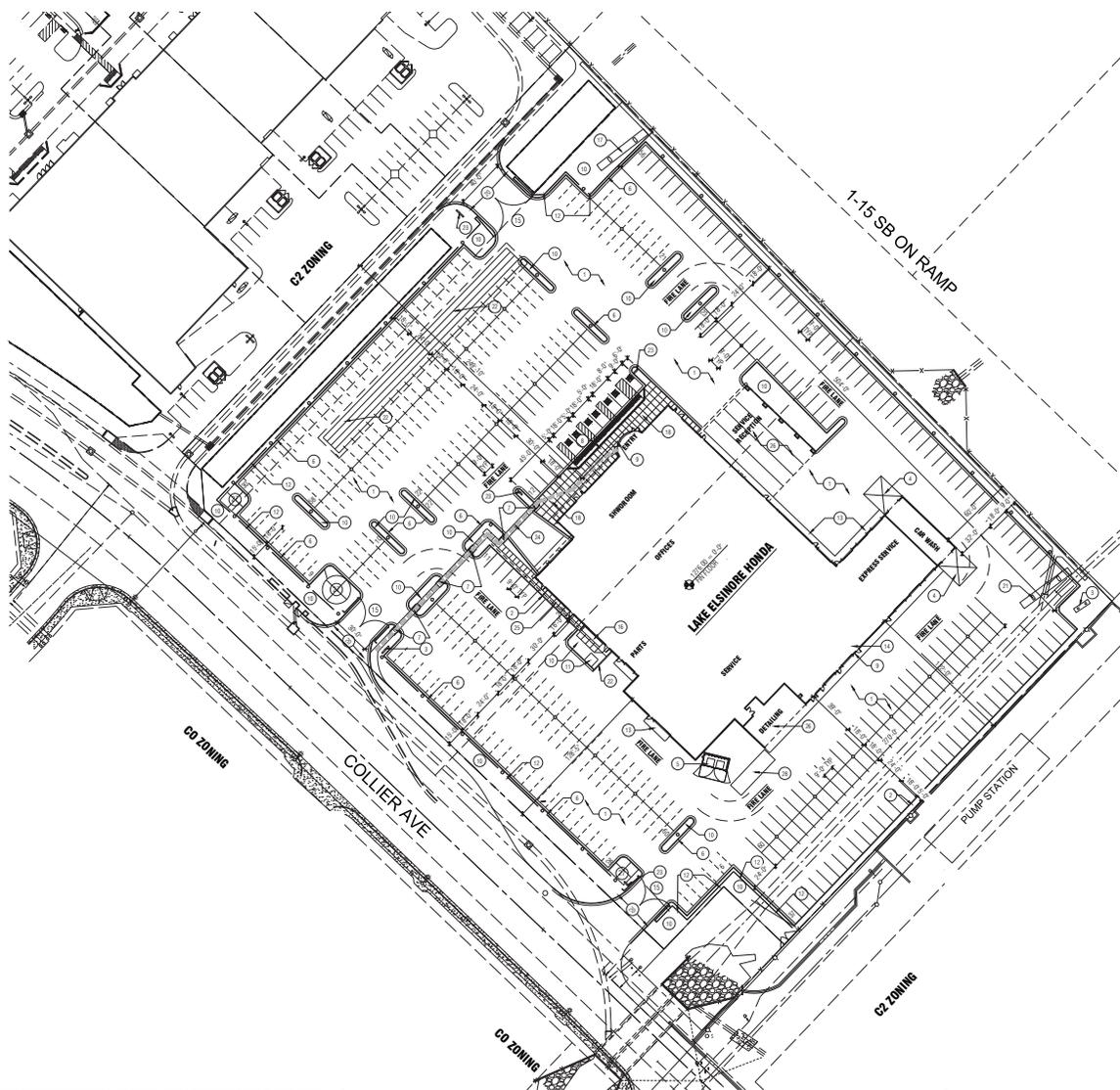


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Source: Aerial (Nearmap 11/2017).



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Source: David Evans and Associates, 2018

to the body's organs and tissues. CO can cause health effects to those with cardiovascular disease and can also affect mental alertness and vision.

Nitrogen Dioxide. NO₂ is also a by-product of fuel combustion and is formed both directly as a product of combustion and in the atmosphere through the reaction of nitrogen oxide (NO) with oxygen. NO₂ is a respiratory irritant and may affect those with existing respiratory illness, including asthma. NO₂ can also increase the risk of respiratory illness.

Respirable Particulate Matter and Fine Particulate Matter. Respirable particulate matter, or PM₁₀, refers to particulate matter with an aerodynamic diameter of 10 microns or less. Fine particulate matter, or PM_{2.5}, refers to particulate matter with an aerodynamic diameter of 2.5 microns or less. Particulate matter in these size ranges have been determined to have the potential to lodge in the lungs and contribute to respiratory problems. PM₁₀ and PM_{2.5} arise from a variety of sources, including road dust, diesel exhaust, fuel combustion, tire and brake wear, construction operations, and windblown dust. PM₁₀ and PM_{2.5} can increase susceptibility to respiratory infections and can aggravate existing respiratory diseases such as asthma and chronic bronchitis. PM_{2.5} is considered to have the potential to lodge deeper in the lungs. Diesel particulate matter is classified a carcinogen by CARB.

Sulfur dioxide. SO₂ is a colorless, reactive gas that is produced from the burning of sulfur-containing fuels such as coal and oil and by other industrial processes. Generally, the highest concentrations of SO₂ are found near large industrial sources. SO₂ is a respiratory irritant that can cause narrowing of the airways leading to wheezing and shortness of breath. Long-term exposure to SO₂ can cause respiratory illness and aggravate existing cardiovascular disease.

Lead. Lead in the atmosphere occurs as particulate matter. With the phase-out of leaded gasoline, large manufacturing facilities are the sources of the largest amounts of lead emissions. Lead has the potential to cause gastrointestinal, central nervous system, kidney, and blood diseases upon prolonged exposure. Lead is also classified as a probable human carcinogen. Because emissions of lead are found only in projects that are permitted by the local air district, lead is not an air quality of concern for the proposed project.

Air quality is defined by ambient air concentrations of specific pollutants identified by the USEPA to be of concern with respect to health and welfare of the general public. The USEPA is responsible for enforcing the Federal Clean Air Act (CAA) of 1970 and its 1977 and 1990 Amendments. The CAA required the USEPA to establish National Ambient Air Quality Standards (NAAQS), which identify concentrations of pollutants in the ambient air below which no adverse effects on the public health and welfare are anticipated. In response, the USEPA established both primary and secondary standards for several criteria pollutants, which are introduced above. Table 1, *Ambient Air Quality Standards*, shows the federal and state ambient air quality standards for these pollutants.

The CAA allows states to adopt ambient air quality standards and other regulations provided they are at least as stringent as federal standards. CARB has established the more stringent California Ambient Air Quality Standards (CAAQS) for the six criteria pollutants through the California Clean Air Act of 1988 (CCAA), and also has established CAAQS for additional pollutants, including sulfates, hydrogen sulfide (H₂S), vinyl chloride, and visibility-reducing particles. Areas that do not meet the NAAQS or the CAAQS for a particular pollutant are considered to be "nonattainment areas" for that pollutant.

Table 1
AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards	Federal Standards	
			Primary ¹	Secondary ²
O ₃	1 Hour	0.09 ppm (180 µg/m ³)	–	–
	8 Hour	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³)	Same as Primary
PM ₁₀	24 Hour	50 µg/m ³	150 µg/m ³	Same as Primary
	AAM	20 µg/m ³	–	Same as Primary
PM _{2.5}	24 Hour	–	35 µg/m ³	Same as Primary
	AAM	12 µg/m ³	12.0 µg/m ³	15.0 µg/m ³
CO	1 Hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	–
	8 Hour	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	–
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)	–	–
NO ₂	1 Hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	–
	AAM	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	Same as Primary
SO ₂	1 Hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	–
	3 Hour	–	–	0.5 ppm (1,300 µg/m ³)
	24 Hour	0.04 ppm (105 µg/m ³)	–	–
Lead	30-day Avg.	1.5 µg/m ³	–	–
	Calendar Quarter	–	1.5 µg/m ³	Same as Primary
	Rolling 3-month Avg.	–	0.15 µg/m ³	
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per km – visibility ≥ 10 miles (0.07 per km – ≥30 miles for Lake Tahoe)	No Federal Standards	
Sulfates	24 Hour	25 µg/m ³		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)		
Vinyl Chloride	24 Hour	0.01 ppm (26 µg/m ³)		

Source: CARB 2016

¹ National Primary Standards: The levels of air quality necessary, within an adequate margin of safety, to protect the public health.

² National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

O₃: ozone; ppm: parts per million; µg/m³: micrograms per cubic meter; PM₁₀: large particulate matter; AAM: Annual Arithmetic Mean; PM_{2.5}: fine particulate matter; CO: carbon monoxide; mg/m³: milligrams per cubic meter; NO₂: nitrogen dioxide; SO₂: sulfur dioxide; km: kilometer; –: No Standard.

The project is located in western Riverside County (County). Air quality in the County is regulated by the South Coast Air Quality Management District (SCAQMD). As a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), County transportation commissions, and local governments and cooperates actively with all federal and state government agencies. The SCAQMD develops rules and regulations; establishes permitting requirements for stationary sources; inspects emissions sources; and enforces such measures through educational programs or fines, when necessary.

The SCAQMD is directly responsible for reducing emissions from stationary (area and point), mobile, and indirect sources. It has responded to this requirement by preparing a sequence of Air Quality Management Plans (AQMP).

On March 3, 2017, the SCAQMD adopted the 2016 AQMP, which is a regional and multi-agency effort (SCAQMD, CARB, SCAG, and USEPA). The 2016 AQMP represents a comprehensive analysis of emissions, meteorology, atmospheric chemistry, regional growth projections, and the impact of existing control measures. The plan seeks to achieve multiple goals in partnership with other entities promoting reductions in criteria pollutant, greenhouse gases, and toxic risk, as well as efficiencies in energy use, transportation, and goods movement.

The AQMP, in combination with those from all other California nonattainment areas with serious (or worse) air quality problems, is submitted to CARB, which develops the California State Implementation Plan (SIP). The SIP relies on the same information from SCAG to develop emission inventories and emission reduction strategies that are included in the attainment demonstration for the air basin. The current federal and state attainment status for the South Coast Air Basin (SCAB) is presented in Table 2, *South Coast Air Basin Attainment Status*.

Table 2
SOUTH COAST AIR BASIN ATTAINMENT STATUS

Criteria Pollutant	Federal Designation	State Designation
O ₃ (1-hour)	(No federal standard)	Nonattainment
O ₃ (8-hour)	Extreme Nonattainment	Nonattainment
CO	Attainment (Maintenance)	Attainment
PM ₁₀	Attainment (Maintenance)	Nonattainment
PM _{2.5}	Serious Nonattainment	Nonattainment
NO ₂	Attainment	Attainment
SO ₂	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	(No federal standard)	Attainment
Hydrogen Sulfide	(No federal standard)	Attainment
Visibility	(No federal standard)	Attainment

Source: SCAQMD 2016a

2.2 TOXIC AIR CONTAMINANTS

TACs are a diverse group of air pollutants that may cause or contribute to an increase in deaths or in serious illness or that may pose a present or potential hazard to human health. TACs include both organic and inorganic chemical substances that may be emitted from a variety of common sources, including gasoline stations, motor vehicles, dry cleaners, industrial operations, painting operations, and

research and teaching facilities. TACs are different than the criteria pollutants previously discussed because ambient air quality standards have not been established for TACs. TACs occurring at extremely low levels may still cause health effects, and it is typically difficult to identify levels of exposure that do not produce adverse health effects. TAC impacts are described by carcinogenic risk and by chronic (i.e., of long duration) and acute (i.e., severe but of short duration) adverse effects on human health.

Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The solid emissions in diesel exhaust are known as diesel particulate matter (DPM). In 1998, California identified DPM as a TAC based on its potential to cause cancer, premature death, and other health problems (e.g., asthma attacks and other respiratory symptoms). Those most vulnerable are children whose lungs are still developing and the elderly who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's known cancer risk from outdoor air pollutants. Diesel engines also contribute to California's PM_{2.5} air quality problems. In addition, diesel soot causes visibility reduction (CARB 2011).

Carcinogenic risks (i.e., cancer risks) are estimated as the incremental probability that an individual will develop cancer over his/her lifetime as a direct result of exposure to potential carcinogens. The estimated risk is expressed as a probability (e.g., 10 in 1 million). A risk level of 1 in 1 million implies a likelihood that up to 1 person out of 1 million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the specific concentration over 30 years (the assumed residential exposure period). This would be in addition to those cancer cases that would normally occur in an unexposed population of 1 million people (USEPA 2016). The Hazard Index (HI) expresses the potential for chemicals to result in non-cancer-related health impacts. HIs are expressed using decimal notation (e.g., 0.001). A calculated HI exposure of less than 1.0 will likely not result in adverse non-cancer-related health effects over a lifetime of exposure. Conversely, an HI greater than 1.0 does not necessarily mean that adverse effects will occur (USEPA 2016).

3.0 EXISTING CONDITIONS

3.1 CLIMATE AND METEOROLOGY

The project site is in the SCAB, which consists of all or part of four counties: Los Angeles, San Bernardino, Riverside, and Orange. The distinctive climate of the SCAB is determined by its terrain and geographic location. The SCAB is a coastal plain with connecting broad valleys and low hills. It is bound by the Pacific Ocean to the southwest and high mountains around the rest of its perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific, resulting in a mild climate tempered by cool sea breezes with light, average wind speeds.

The usually mild climatological pattern is interrupted occasionally by periods of extremely hot weather, winter storms, or Santa Ana winds. Winds in the project area are usually driven by the dominant land/sea breeze circulation system. Regional wind patterns are dominated by daytime onshore sea breezes. At night, the wind generally slows and reverses direction traveling toward the sea. Local canyons can also alter wind direction, with wind tending to flow parallel to the canyons. The vertical dispersion of air pollutants in the SCAB is hampered by the presence of persistent temperature inversions. High pressure systems, such as the semi-permanent high-pressure zone in which the SCAB is located, are characterized by an upper layer of dry air that warms as it descends, restricting the mobility of cooler marine-influenced air near the ground surface, and resulting in the formation of subsidence

inversions. Such inversions restrict the vertical dispersion of air pollutants released into the marine layer and, together with strong sunlight, can produce worst-case conditions for the formation of photochemical smog.

The annual average maximum temperature as measured at the Corona climatic station, approximately 18 miles northwest of the project site, is 78.2° Fahrenheit (F). The highest monthly average maximum temperature (92.3°F) occurs in July, and the lowest monthly average minimum temperature (39.7°F) occurs in January (Western Regional Climate Center [WRCC] 2017). In 2017, the Lake Elsinore Monitoring Station, located one mile southeast of the project site, recorded an annual maximum of 109°F in July and August (CARB 2018b). The average annual precipitation is approximately 13 inches (WRCC 2017).

3.2 EXISTING AIR QUALITY

3.2.1 Criteria Pollutants

3.2.1.1 Attainment Designations

Attainment designations are discussed in Section 2.1 and Table 2. The SCAB is a federal and state nonattainment area for ozone and PM_{2.5}. The SCAB is also a state nonattainment area for PM₁₀.

3.2.1.2 Monitored Air Quality

The SCAQMD maintains monitoring stations to measure ambient concentrations of pollutants in the SCAB. The nearest monitoring station to the project site is the Lake Elsinore – W. Flint Street monitoring station, which is located approximately one mile southeast of the project site. The Lake Elsinore station monitors ozone, NO₂, PM_{2.5}, and PM₁₀. Table 3, *Air Quality Monitoring Data*, presents a summary of the ambient pollutant concentrations monitored at the Lake Elsinore air quality monitoring station during the years of 2014 through 2016 for which the SCAQMD has reported data. As shown therein, the 1- and 8-hour ozone standards were exceeded numerous times in each of the sample years.

Table 3
AIR QUALITY MONITORING DATA

Pollutant Standards	2014	2015	2016
Ozone (O₃)			
Maximum concentration 1-hour period (ppm)	0.104	0.131	0.124
Maximum concentration 8-hour period (ppm)	0.086	0.098	0.093
Days above 1-hour state standard (>0.09 ppm)	4	18	15
Days above 8-hour state/federal standard (>0.070 ppm)	13	31	44
Nitrogen Dioxide (NO₂)			
Maximum 1-hour concentration (ppm)	0.045	0.047	0.051
Days above state 1-hour standard (0.18 ppm)	0	0	0
Days above federal 1-hour standard (0.100 ppm)	0	0	0
Suspended Particulates (PM₁₀)			
Maximum 24-hour concentration (µg/m ³)	86.8	90.7	99.7
Days above state standard (>50 µg/m ³)	*	*	*
Days above federal standard (>150 µg/m ³)	0	0	0

Table 3 (cont.)
AIR QUALITY MONITORING DATA

Pollutant Standards	2014	2015	2016
Suspended Particulates (PM_{2.5})			
Maximum 24-hour concentration ($\mu\text{g}/\text{m}^3$)	33.7	42.2	31.5
Days above federal standard ($>35 \mu\text{g}/\text{m}^3$)	*	*	*

Source: CARB 2018a

ppm = parts per million

*Insufficient data available to determine the value

4.0 METHODOLOGY AND SIGNIFICANCE CRITERIA

4.1 METHODOLOGY

Criteria pollutant emissions were calculated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. CalEEMod is a computer model used to estimate criteria air pollutant emissions resulting from construction and operation of land development projects throughout the state of California. CalEEMod was developed by the SCAMQD with the input of several air quality management and pollution control districts. The input data and subsequent construction and operation emission estimates for the proposed project are discussed below. CalEEMod output files are included in Appendix A.

4.1.1 Construction Emissions

As described above, construction emissions are assessed using the CalEEMod. CalEEMod contains OFFROAD2011 emission factors and EMFAC2014 emission factors from CARB's models for off-road equipment and on-road vehicles, respectively. The construction analysis included modeling of the projected construction equipment that would be used during each construction activity and quantities of earth and debris to be moved. The model calculates emissions of CO, PM₁₀, PM_{2.5}, SO₂, and the ozone precursors ROG and NO_x.

Construction input data for CalEEMod include, but are not limited to, (1) the anticipated start and finish dates of construction activity; (2) inventories of construction equipment to be used; (3) areas to be excavated and graded; and (4) volumes of materials to be exported from and imported to the project area. The analysis assessed maximum daily emissions from individual construction activities, including site preparation, grading, building construction, paving, and architectural coating.

Construction would require heavy equipment during site preparation, grading, building construction, and paving. Construction equipment estimates are based on detailed assumptions provided by the project applicant. Table 4, *Construction Equipment Assumptions*, presents a summary of the assumed equipment that would be involved in each stage of construction.

Table 4
CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Phase	Equipment	Number
Site Preparation	Rubber Tired Dozer	3
	Tractor/Loader/Backhoe	4
Grading	Scraper	2
	Excavator	1
	Grader	1
	Rubber Tired Dozer	1
	Tractor/Loader/Backhoe	3
Underground Utilities Installation	Tractor/Loader/Backhoe	1
Building Construction	Welder	1
	Generator Set	1
	Crane	2
	Forklift	3
	Tractor/Loader/Backhoe	3
Paving	Paving Equipment	2
	Pavers	2
	Roller	2
Architectural Coating	Air Compressor	1

Note: Output data, including equipment horsepower, is provided in Appendix A

The construction schedule was based on information provided by the project applicant. As shown in Table 5, *Anticipated Construction Schedule*, project development is assumed to start September 2018 and projected to be complete September 2019.

Table 5
ANTICIPATED CONSTRUCTION SCHEDULE

Construction Activity	Construction Period		
	Start	End	Number of Working Days
Site Preparation	9/17/2018	9/28/2018	10
Grading	10/1/2018	11/23/2018	40
Underground Utilities Installation	12/1/2018	1/25/2019	40
Building Construction	2/1/2019	8/15/2019	140
Paving	8/16/2019	9/12/2019	20
Architectural Coating	9/13/2019	9/30/2019	12

Source: David Evans & Associates. Note: Output data is provided in Appendix A.

The quantity, duration, and the intensity of construction activity influence the amount of construction emissions and their related pollutant concentrations that occur at any one time. As such, the emission forecasts provided herein reflect a specific set of conservative assumptions based on the expected construction scenario wherein a relatively large amount of construction is occurring in a relatively intensive manner. Because of this conservative assumption, actual emissions could be less than those forecasted. If construction is delayed or occurs over a longer time period, emissions could be reduced because of (1) a more modern and cleaner-burning construction equipment fleet mix than incorporated in the CalEEMod, and/or (2) a less intensive buildout schedule (i.e., fewer daily emissions occurring over

a longer time interval). A complete listing of the assumptions used in the analysis and model output is provided in Appendix A of this report.

CalEEMod has the capability to calculate reductions in construction emissions from the effects of dust control, diesel-engine classifications, and other selected emissions reduction measures. Emissions calculations assume application of water during grading and a 15-miles per hour (mph) speed limit on unpaved surfaces in compliance with SCAQMD Rule 403, Fugitive Dust. Based on CalEEMod, Version 2016.3.2, the control efficiency for watering two times per day is 55 percent. Emissions calculations for architectural coatings assume the use of Super-Compliant coatings as defined by the SCAQMD.

4.1.2 Operation Emissions

Operational impacts were estimated using CalEEMod. Operational sources of emissions include area, energy, and transportation. Operational emissions from area sources include the use of consumer products, engine emissions from landscape maintenance equipment, emissions associated with automotive repair services, and VOC emissions from repainting of buildings. Energy source emissions include the combustion of natural gas for heating and hot water.

Operational emissions from mobile source emissions are associated with project-related vehicle trip generation and trip length. Project trip generation was based on the Traffic Impact Analysis (TIA) prepared by David Evans and Associates, Inc. (DEA; 2018). The trip generation factors were obtained from the ITE Trip Generation Manual for Automobile Sales and were used to estimate Average Daily Traffic (ADT) generated by the proposed project (DEA 2018). Using the Automobile Sales category with the proposed project square footage, an estimated 1,487 daily trips are assumed to be generated by the project. CalEEMod default vehicle speeds, trip purpose, and distance were used. Model output data sheets are included in Appendix A.

4.1.3 Localized Significance Threshold Methodology

As part of the SCAQMD's environmental justice program, more attention has been focused on localized air quality effects. In addition to the California Environmental Quality Act (CEQA) significance thresholds for mass daily emissions and regional conditions, the SCAQMD has established thresholds for ambient air quality (Table 6, *SCAQMD Thresholds of Significance*) to address localized impacts. Also, while regional impact analysis is based on attaining or maintaining regional emissions standards, localized impact analysis compares the concentration of a pollutant at a receptor site to a health-based standard.

SCAQMD staff then developed localized significance threshold (LST) methodology and mass rate look-up tables by source receptor area (SRA) that can be used by public agencies to determine whether a project may generate significant adverse localized air quality impacts. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard; they are developed based on the ambient concentrations of that pollutant for each SRA (SCAQMD 2009). The LST methodology translates the concentration standards into emissions thresholds that are a function of project site area, source to receptor distance, and the location within the SCAB. The LST methodology is recommended to be limited to projects of 5 acres or less and to avoid the need for complex dispersion modeling. For projects that exceed 5 acres, the 5-acre LST look-up values can be used as a screening tool to determine which pollutants require detailed analysis. This approach is conservative as it assumes that all on-site emissions would occur within a five-acre area and over-predicts potential localized impacts (i.e., more pollutant emissions

occurring within a smaller area and within closer proximity to potential sensitive receptors). If a project exceeds the LST look-up values, then the SCAQMD recommends that project-specific localized air quality modeling be performed.

The City of Lake Elsinore is located within SRA 25, Lake Elsinore. The closest sensitive receptor to the project site is a high school located approximately 0.35 miles (563 meters) south of the project site. Site acreage was determined in accordance with the SCAQMD's *Fact Sheet for Applying CalEEMod to LSTs* based on the equipment listed in Table 4, above. The maximum daily disturbed acreage for the project would be 3 acres due to the use of a grader, a rubber-tired dozer, and two scrapers during Grading activities. Since LST emission thresholds are only provided for 1, 2, and 5 acres, the 2-acre threshold was used for a more conservative analysis. Therefore, the LSTs for the project are based on SRA 25, receptors located within 500 meters, and a disturbed area not to exceed 2 acres.

4.2 SIGNIFICANCE CRITERIA

4.2.1 Air Quality

The following significance thresholds are based on Appendix G of the state CEQA Guidelines. A significant impact is identified if the project would result in any of the following:

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

Appendix G of the State CEQA Guidelines states that the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the above determinations. The SCAQMD has established significance thresholds to assess the regional and localized impacts of project-related air pollutant emissions. The significance thresholds are updated, as needed, to appropriately represent the most current technical information and attainment status in the SCAB. Table 6, *SCAQMD Air Quality Significance Thresholds*, presents the most current significance thresholds, including regional daily thresholds for short-term construction and long term operational emissions; maximum incremental cancer risk and hazard indices for TACs; and maximum ambient concentrations for exposure of sensitive receptors to localized pollutants. A project with daily emission rates, risk values, or concentrations below these thresholds is generally considered to have a less than significant effect on air quality.

Table 6
SCAQMD AIR QUALITY SIGNIFICANCE THRESHOLDS

Mass Daily Thresholds (pounds per day)		
Pollutant	Construction	Operation
VOC	75	55
NO _x	100	55
CO	550	550
PM ₁₀	150	150
PM _{2.5}	55	55
SO _x	150	150
Lead	3	3
Toxic Air Contaminants		
TACs	Maximum Incremental Cancer Risk \geq 10 in 1 million Cancer Burden $>$ 0.5 excess cancer cases (in areas \geq 1 in 1 million) Chronic & Acute Hazard Index \geq 1.0 (project increment)	
Ambient Air Quality for Criteria Pollutants		
NO ₂	1-hour average \geq 0.18 ppm Annual average \geq 0.03 ppm	
CO	1-hour average \geq 20.0 ppm (state) 8-hour average \geq 9.0 ppm (state/federal)	
PM ₁₀	24-hour average \geq 10.4 $\mu\text{g}/\text{m}^3$ (construction) 24-hour average \geq 2.5 $\mu\text{g}/\text{m}^3$ (operation) Annual average \geq 1.0 $\mu\text{g}/\text{m}^3$	
PM _{2.5}	24-hour average \geq 10.4 $\mu\text{g}/\text{m}^3$ (construction) 24-hour average \geq 2.5 $\mu\text{g}/\text{m}^3$ (operation)	
SO ₂	24-hour average \geq 25 $\mu\text{g}/\text{m}^3$	

Source: SCAQMD 2015

lbs/day: pounds per day; VOC: volatile organic compound; NO_x: nitrogen oxides; CO: carbon monoxide;

PM₁₀: respirable particulate matter with a diameter of 10 microns or less;

PM_{2.5}: fine particulate matter with a diameter of 2.5 microns or less; SO_x: sulfur oxides;

TACs: toxic air contaminants; GHG: greenhouse gas emissions; MT/yr: metric tons per year; NO₂: nitrogen dioxide;

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

5.0 AIR QUALITY IMPACT ANALYSIS

This section evaluates potential direct impacts of the proposed project related to the air pollutant emissions. Project-level air quality modeling was completed as part of this analysis. Complete modeling results are included as Appendix A to this report.

5.1 CONSISTENCY WITH AIR QUALITY PLANS

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties, and addresses regional issues relating to transportation, economy, community development, and environment. With regard to air quality planning, SCAG has prepared the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), a long-range transportation plan that uses growth forecasts to project trends over a 20-year period to identify regional transportation strategies to address mobility needs. These growth forecasts form the basis for the land use and transportation control portions of the AQMP. These documents are utilized in the preparation of the air

quality forecasts and consistency analysis included in the AQMP. Both the RTP/SCS and AQMP are based, in part, on projections originating with County and City General Plans.¹

The two principal criteria for determining conformance to the AQMP are:

1. Whether the project would result in an increase in the frequency or severity of existing air quality violations; cause or contribute to new violations; or delay timely attainment of air quality standards and
2. Whether the project would exceed the assumptions in the AQMP.

With respect to the first criterion, the analyses presented in Sections 5.2 through 5.4, below, demonstrate that the project would not generate short-term or long-term emissions that could potentially cause an increase in the frequency or severity of existing air quality violations; cause or contribute to new violations; or delay timely attainment of air quality standards. With respect to the second criterion, the proposed project is developing an automotive dealership and is consistent with the City's General Plan land use designation, General Commercial. The General Commercial land use designation is intended to provide for a wide range of retail and service activities including department stores, restaurants, hotels, theaters, offices, and specialized services (City 2011). Therefore, pursuant to SCAQMD guidelines, the proposed project is considered consistent with the region's AQMP. As such, proposed project-related emissions are accounted for in the AQMP, which is crafted to bring the basin into attainment for all criteria pollutants. Accordingly, the proposed project would be consistent with the projections in the AQMP, thus resulting in no impact.

5.2 CONFORMANCE TO FEDERAL AND STATE AIR QUALITY STANDARDS

The project would generate criteria pollutants in the short term during construction and the long term during operation. To determine whether a project would result in emissions that would violate an air quality standard or contribute substantially to an existing or projected air quality violation, a project's emissions are evaluated based on the quantitative emission thresholds established by the SCAQMD (as shown in Table 6).

5.2.1 Construction

5.2.1.1 Project Emissions

The project's construction emissions were estimated using the CalEEMod model, as described in Section 4.1.1. Project-specific input was based on general information provided in Section 1.0, assumptions provided by the project applicant, and default model settings to estimate reasonably conservative conditions. Additional details of phasing, selection of construction equipment, and other input parameters, including CalEEMod data, are included in Appendix A.

¹ SCAG serves as the federally designated MPO for the Southern California region.

The results of the calculations for project construction are shown in Table 7, *Maximum Daily Construction Emissions*. The data are presented as the maximum anticipated daily emissions for comparison with the SCAQMD thresholds.

Table 7
MAXIMUM DAILY CONSTRUCTION EMISSIONS

Phase	Pollutant Emissions (pounds/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Site Preparation	5	48	23	<0.5	11	7
Grading	6	77	37	<0.5	8	5
Underground Utilities	<0.5	3	2	<0.5	<0.5	<0.5
Building Construction	3	31	24	<0.5	3	2
Paving	2	15	15	<0.5	1	1
Architectural Coating	23	2	3	<0.5	<0.5	<0.5
Maximum Daily Emissions	23	77	37	<0.5	11	7
<i>SCAQMD Thresholds</i>	75	100	550	150	150	55
Significant Impact?	No	No	No	No	No	No

Source: CalEEMod (output data is provided in Appendix A)

As shown in Table 7, maximum daily ROG emissions occur during the coating phase; maximum daily particulate matter (PM_{2.5} and PM₁₀) emissions occur during site preparation; and all other maximum daily emissions occur during the grading phase. Emissions of all criteria pollutants related to project construction would be below the SCAQMD significance thresholds. Therefore, direct impacts from criteria pollutants generated during construction would be less than significant.

5.2.2 Operation

5.2.2.1 Project Emissions

The project's operational emissions were estimated using the CalEEMod model and defaults as described in Section 4.1.2. Operational emission calculations and model outputs are provided in Appendix A. Table 8, *Maximum Daily Operational Emissions*, presents the summary of operational emissions for the project.

Table 8
MAXIMUM DAILY OPERATIONAL EMISSIONS

Category	Pollutant Emissions (pounds per day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	1	<0.5	<0.5	0	<0.5	<0.5
Energy	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Mobile	2	17	20	<0.5	4	1
Total Daily Emissions	4	18	20	<0.5	4	1
<i>SCAQMD Thresholds</i>	55	55	550	150	150	55
Significant Impact?	No	No	No	No	No	No

Source: CalEEMod (output data is provided in Appendix A)

Note: Totals may not sum due to rounding.

As shown in Table 8, project emissions of all criteria pollutants during operation would be below the daily thresholds. Therefore, operation of the project would not be considered a significant impact on air quality. Impacts would be less than significant.

5.3 CUMULATIVELY CONSIDERABLE NET INCREASE OF NONATTAINMENT CRITERIA POLLUTANTS

In accordance with CEQA Guidelines Section 15064(h)(3), the SCAQMD's approach for assessing cumulative impacts is based on the AQMP forecasts of attainment of ambient air quality standards in accordance with the requirements of the federal and State Clean Air Acts. If a project is not consistent with the AQMP, which is intended to bring the SCAB into attainment for all criteria pollutants, that project can be considered cumulatively considerable. Additionally, if the mass regional emissions calculated for a project exceed the applicable SCAQMD daily significance thresholds that are designed to assist the region in attaining the applicable state and national ambient air quality standards, that project can be considered cumulatively considerable. As demonstrated in Section 5.1, the project would be consistent with the AQMP. Furthermore, as detailed in Section 5.2 and Table 8, operational emissions would fall below the SCAQMD regional significance thresholds. Therefore, operational emissions would not be cumulatively considerable.

For two or more projects within close proximity, that is, defined as 1,640 feet (500 meters²) or less from the same sensitive receptor, a local cumulative analysis must be performed. The on-site emissions from the related project must be added to the background concentration, which is then summed with the proposed project emissions for comparison to the SCAQMD LSTs or State and federal AAQS. If the related projects combine with the proposed project to result in an exceedance of the ambient standards, the project is considered cumulatively significant. A lot currently under the construction of a commercial use is located along the project's northwestern boundary; however, this project would be completed before construction begins on the proposed project. As detailed in Section 5.2 and Table 7, construction emissions would fall below the SCAQMD regional significance thresholds and would not be cumulatively considerable.

5.4 IMPACTS TO SENSITIVE RECEPTORS

5.4.1 Construction Activities

5.4.1.1 Criteria Pollutants

The localized effects from the on-site portion of daily construction emissions were evaluated at sensitive receptor locations potentially impacted by the project according to the SCAQMD's LST method, described above in Section 4.1.3. Consistent with the LST guidelines, when quantifying mass emissions for localized analysis, only emissions that occur on-site are considered. Emissions related to off-site delivery/haul truck activity and construction worker trips are not considered in the evaluation of construction-related localized impacts, as these do not contribute to emissions generated on a project site. As detailed in Section 4.1.3, *Localized Significance Threshold Methodology*, the LSTs being applied to the project are based on SRA 25, receptors located within 500 meters, and a disturbed area not to exceed 2 acres. As shown in Table 9 below, localized emissions for all criteria pollutants would remain

² 500 meters is the greatest distance identified by the SCAQMD in their LST methodology.

below their respective SCAQMD LSTs. There would be a less than significant impact and no mitigation is required.

Table 9
MAXIMUM LOCALIZED DAILY CONSTRUCTION EMISSIONS

Phase	Pollutant Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Site Preparation	48	22	11	7
Grading	59	34	7	4
Underground Utilities	3	2	<0.5	<0.5
Building Construction	26	19	2	1
Paving	15	15	1	1
Architectural Coating	2	2	<0.5	<0.5
Maximum Daily Emissions	59	34	11	7
<i>SCAQMD LST Thresholds</i>	<i>941</i>	<i>25,412</i>	<i>186</i>	<i>91</i>
Significant Impact?	No	No	No	No

Source: CalEEMod (output data is provided in Appendix A); SCAQMD 2009

5.4.1.2 Toxic Air Contaminants

The greatest potential for TAC emissions during construction would be related to DPM associated with heavy equipment operations during earth-moving activities. The SCAQMD does not consider diesel-related cancer risks from construction equipment to be an issue due to the short-term nature of construction activities. Construction activities associated with the proposed project would be sporadic, transitory, and short term in nature; lasting approximately one year. The assessment of cancer risk is typically based on a 30-year exposure period. Because exposure to diesel exhaust would be well below the 30-year exposure period, construction of the proposed project is not anticipated to result in an elevated cancer risk to exposed persons. As such, project-related TAC emission impacts during construction would not be significant and no mitigation is required.

5.4.2 Operational Activities

5.4.2.1 CO Hotspots

A CO hotspot is an area of localized CO pollution that is caused by severe vehicle congestion on major roadways, typically near intersections. If a project increases average delay at signalized intersections operating at Level of Service (LOS) E or F, or causes an intersection that would operate at LOS D or better without the project to operate at LOS E or F with the project, a quantitative screening is required.

The TIA evaluated AM, PM and Saturday signal delay and LOS for six intersections; three intersections along Collier Avenue, two intersections along Central Avenue, and the intersection of Collier Avenue and Central Avenue (DEA 2018). All intersections would continue to operate at LOS D or better with the implementation of the project. Therefore, the LOS of the evaluated intersections would not decrease as a result of the project, and a quantitative screening is not required. There would be no potential for a CO hotspot, and sensitive receptors would not be exposed to project-generated local CO emissions. The impact would be less than significant, and mitigation is not required.

5.4.2.2 Toxic Air Contaminants

Construction activities would result in short-term project-generated emissions of diesel PM from the exhaust of off-road, heavy-duty diesel equipment. CARB identified diesel PM as a TAC in 1998. The dose to which receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance or substances in the environment and the duration of exposure to the substance. Thus, the risks estimated for a maximally exposed individual (MEI) are higher if a fixed exposure occurs over a longer time period. According to the Office of Environmental Health Hazard Assessment, health risk assessments (HRAs), which determine the exposure of sensitive receptors to TAC emissions, should be based on a 30-year exposure period; however, such assessments should be limited to the period/duration of activities associated with the project. There would be relatively few pieces of off-road, heavy-duty diesel equipment used during construction, and the construction period would be relatively short, especially when compared to 30 years. Combined with the highly dispersive properties of diesel PM, construction-related emissions would not expose sensitive receptors to substantial emissions of TACs. Impacts from construction emissions would be less than significant.

Based on the SCAQMD's "Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis" (SCAQMD 2003), projects that should be analyzed for diesel particulate emissions include truck stops, distribution centers, and transit centers, which could be sources of diesel particulate matter from heavy-duty diesel trucks.

Based on CARB siting recommendations within the Air Quality and Land Use Handbook, a detailed health risk assessment should be conducted for proposed sensitive receptors within 1,000 feet of a warehouse distribution center, within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater), 50 feet of a typical gas dispensing facilities or within 300 feet of a dry cleaning facility that uses perchloroethylene (PCE), among other siting recommendations (CARB 2005).

The project would not develop land uses associated with sensitive air pollutant receptors and would not include uses associated with the requirement for a detailed health risk assessment. Therefore, impacts associated with toxic air contaminants would be less than significant.

5.5 ODORS

The State of California Health and Safety Code Sections 41700 and 41705, prohibit emissions from any source whatsoever in such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to the public health or damage to property. The nearest sensitive receptor to the project site is a high school located approximately 0.35 miles (563 meters) south of the project site. The project could produce odors during proposed construction activities resulting from construction equipment exhaust, application of asphalt, and/or the application of architectural coatings; however, standard construction practices would minimize the odor emissions and their associated impacts. The increase of construction odors would be minimal, as vehicle exhaust is already prevalent in the area due to its proximity to I-15. Furthermore, any odors emitted during construction would be temporary, short-term, and intermittent in nature, and would cease upon the completion of the respective phase of construction.

The CARB's Air Quality and Land Use Handbook includes a list of the most common sources of odor complaints received by local air districts. Typical sources of odor complaints include facilities such as sewage treatment plants, landfills, recycling facilities, petroleum refineries, and livestock operations. The proposed project would include an automotive dealership and associated facilities, which would not be anticipated to generate substantial odors. Therefore, impacts would be less than significant.

6.0 REFERENCES

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Appendix A

CalEEMod Output

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

**DEA-08 Lake Elsinore Honda
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	53.43	1000sqft	1.23	53,425.00	0
Parking Lot	465.00	Space	4.18	186,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2019
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

Project Characteristics -

Land Use -

Construction Phase - Site Prep: 9/2018

Grading: 10/2018

Trenching: 12/2018

Building: 2/2019

Operation/completion: 9/2019

Off-road Equipment - Scrapers

Off-road Equipment - Cranes and forklifts

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Architectural Coating - Assume 50 g/L

Vehicle Trips - David Evans and Associates Inc. TIA: 1,487 daily trips

Area Coating - Assume 50 g/L

Sequestration -

Construction Off-road Equipment Mitigation -

Area Mitigation - 50 g/L already accounted for during construction and operation

Water Mitigation - Low flow fixtures, use of reclaimed water in car wash, use of water conservation irrigation (drip, flow and rain sensors, ensuring no run-off)
20% indoor and outdoor water reduction per CALGreen Standards

Waste Mitigation - Consistent with AB-341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	12.00
tblConstructionPhase	NumDays	230.00	140.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	12/6/2019	9/30/2019
tblConstructionPhase	PhaseEndDate	10/11/2019	8/15/2019
tblConstructionPhase	PhaseEndDate	11/8/2019	9/12/2019
tblConstructionPhase	PhaseEndDate	10/26/2018	9/28/2018
tblConstructionPhase	PhaseStartDate	11/9/2019	9/13/2019
tblConstructionPhase	PhaseStartDate	11/24/2018	2/1/2019
tblConstructionPhase	PhaseStartDate	10/27/2018	10/1/2018
tblConstructionPhase	PhaseStartDate	10/12/2019	8/16/2019
tblConstructionPhase	PhaseStartDate	10/13/2018	9/17/2018
tblGrading	MaterialExported	0.00	16.00
tblGrading	MaterialImported	0.00	20,200.00
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblSequestration	NumberOfNewTrees	0.00	98.00
tblVehicleTrips	ST_TR	23.72	27.83
tblVehicleTrips	SU_TR	11.88	27.83
tblVehicleTrips	WD_TR	23.72	27.83

2.0 Emissions Summary

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-17-2018	12-16-2018	1.8298	1.8298
2	12-17-2018	3-16-2019	0.5816	0.5816
3	3-17-2019	6-16-2019	1.1352	1.1352
4	6-17-2019	9-16-2019	0.9500	0.9500
5	9-17-2019	9-30-2019	0.1253	0.1253
		Highest	1.8298	1.8298

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2194	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137
Energy	9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	458.5299	458.5299	9.7600e-003	3.3500e-003	459.7727
Mobile	0.4265	3.2024	3.6172	0.0123	0.7607	0.0132	0.7738	0.2039	0.0124	0.2163	0.0000	1,141.2008	1,141.2008	0.0956	0.0000	1,143.5907
Waste						0.0000	0.0000		0.0000	0.0000	41.4223	0.0000	41.4223	2.4480	0.0000	102.6221
Water						0.0000	0.0000		0.0000	0.0000	1.5945	60.0417	61.6362	0.1651	4.1400e-003	66.9962
Total	0.6552	3.2876	3.6953	0.0128	0.7607	0.0196	0.7803	0.2039	0.0189	0.2228	43.0168	1,659.7853	1,702.8021	2.7185	7.4900e-003	1,772.9955

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2194	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137
Energy	9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	458.5299	458.5299	9.7600e-003	3.3500e-003	459.7727
Mobile	0.4265	3.2024	3.6172	0.0123	0.7607	0.0132	0.7738	0.2039	0.0124	0.2163	0.0000	1,141.2008	1,141.2008	0.0956	0.0000	1,143.5907
Waste						0.0000	0.0000		0.0000	0.0000	31.0668	0.0000	31.0668	1.8360	0.0000	76.9666
Water						0.0000	0.0000		0.0000	0.0000	1.2756	48.0334	49.3089	0.1321	3.3100e-003	53.5970
Total	0.6552	3.2876	3.6953	0.0128	0.7607	0.0196	0.7803	0.2039	0.0189	0.2228	32.3423	1,647.7769	1,680.1193	2.0734	6.6600e-003	1,733.9407

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.81	0.72	1.33	23.73	11.08	2.20

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	69.3840
Total	69.3840

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/17/2018	9/28/2018	5	10	
2	Grading	Grading	10/1/2018	11/23/2018	5	40	
3	Building Construction	Building Construction	2/1/2019	8/15/2019	5	140	
4	Paving	Paving	8/16/2019	9/12/2019	5	20	
5	Architectural Coating	Architectural Coating	9/13/2019	9/30/2019	5	12	
6	Underground Utilities	Trenching	12/1/2018	1/25/2019	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 100

Acres of Paving: 4.18

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Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 80,138; Non-Residential Outdoor: 26,713; Striped Parking Area: 11,160 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Scrapers	2	8.00	367	0.48
Underground Utilities	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Underground Utilities	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,527.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	95.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152

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3.2 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.7000e-004	3.8100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8816	0.8816	3.0000e-005	0.0000	0.8822
Total	4.9000e-004	3.7000e-004	3.8100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8816	0.8816	3.0000e-005	0.0000	0.8822

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0407	0.0129	0.0535	0.0223	0.0119	0.0342	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152

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3.2 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.7000e-004	3.8100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8816	0.8816	3.0000e-005	0.0000	0.8822
Total	4.9000e-004	3.7000e-004	3.8100e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8816	0.8816	3.0000e-005	0.0000	0.8822

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1748	0.0000	0.1748	0.0721	0.0000	0.0721	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1016	1.1840	0.6848	1.2000e-003		0.0535	0.0535		0.0492	0.0492	0.0000	109.8214	109.8214	0.0342	0.0000	110.6761
Total	0.1016	1.1840	0.6848	1.2000e-003	0.1748	0.0535	0.2283	0.0721	0.0492	0.1214	0.0000	109.8214	109.8214	0.0342	0.0000	110.6761

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3.3 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.6100e-003	0.3529	0.0430	9.7000e-004	0.0218	1.3000e-003	0.0231	5.9800e-003	1.2400e-003	7.2300e-003	0.0000	93.4122	93.4122	6.2000e-003	0.0000	93.5672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1700e-003	1.6400e-003	0.0169	4.0000e-005	4.4000e-003	3.0000e-005	4.4200e-003	1.1700e-003	3.0000e-005	1.1900e-003	0.0000	3.9181	3.9181	1.2000e-004	0.0000	3.9211
Total	9.7800e-003	0.3545	0.0599	1.0100e-003	0.0262	1.3300e-003	0.0275	7.1500e-003	1.2700e-003	8.4200e-003	0.0000	97.3303	97.3303	6.3200e-003	0.0000	97.4883

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0786	0.0000	0.0786	0.0325	0.0000	0.0325	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1016	1.1840	0.6848	1.2000e-003		0.0535	0.0535		0.0492	0.0492	0.0000	109.8213	109.8213	0.0342	0.0000	110.6760
Total	0.1016	1.1840	0.6848	1.2000e-003	0.0786	0.0535	0.1322	0.0325	0.0492	0.0817	0.0000	109.8213	109.8213	0.0342	0.0000	110.6760

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3.3 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.6100e-003	0.3529	0.0430	9.7000e-004	0.0218	1.3000e-003	0.0231	5.9800e-003	1.2400e-003	7.2300e-003	0.0000	93.4122	93.4122	6.2000e-003	0.0000	93.5672
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1700e-003	1.6400e-003	0.0169	4.0000e-005	4.4000e-003	3.0000e-005	4.4200e-003	1.1700e-003	3.0000e-005	1.1900e-003	0.0000	3.9181	3.9181	1.2000e-004	0.0000	3.9211
Total	9.7800e-003	0.3545	0.0599	1.0100e-003	0.0262	1.3300e-003	0.0275	7.1500e-003	1.2700e-003	8.4200e-003	0.0000	97.3303	97.3303	6.3200e-003	0.0000	97.4883

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1962	1.8434	1.3419	2.2400e-003		0.1059	0.1059		0.0992	0.0992	0.0000	196.3123	196.3123	0.0501	0.0000	197.5656
Total	0.1962	1.8434	1.3419	2.2400e-003		0.1059	0.1059		0.0992	0.0992	0.0000	196.3123	196.3123	0.0501	0.0000	197.5656

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3.4 Building Construction - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.3151	0.0627	7.1000e-004	0.0172	2.3700e-003	0.0196	4.9800e-003	2.2700e-003	7.2500e-003	0.0000	67.5991	67.5991	5.7600e-003	0.0000	67.7432
Worker	0.0330	0.0241	0.2523	7.0000e-004	0.0731	4.6000e-004	0.0736	0.0194	4.2000e-004	0.0198	0.0000	63.1489	63.1489	1.7300e-003	0.0000	63.1921
Total	0.0423	0.3391	0.3150	1.4100e-003	0.0903	2.8300e-003	0.0932	0.0244	2.6900e-003	0.0271	0.0000	130.7481	130.7481	7.4900e-003	0.0000	130.9353

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1962	1.8434	1.3419	2.2400e-003		0.1059	0.1059		0.0992	0.0992	0.0000	196.3121	196.3121	0.0501	0.0000	197.5654
Total	0.1962	1.8434	1.3419	2.2400e-003		0.1059	0.1059		0.0992	0.0992	0.0000	196.3121	196.3121	0.0501	0.0000	197.5654

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3.4 Building Construction - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.3151	0.0627	7.1000e-004	0.0172	2.3700e-003	0.0196	4.9800e-003	2.2700e-003	7.2500e-003	0.0000	67.5991	67.5991	5.7600e-003	0.0000	67.7432
Worker	0.0330	0.0241	0.2523	7.0000e-004	0.0731	4.6000e-004	0.0736	0.0194	4.2000e-004	0.0198	0.0000	63.1489	63.1489	1.7300e-003	0.0000	63.1921
Total	0.0423	0.3391	0.3150	1.4100e-003	0.0903	2.8300e-003	0.0932	0.0244	2.6900e-003	0.0271	0.0000	130.7481	130.7481	7.4900e-003	0.0000	130.9353

3.5 Paving - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	5.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0200	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

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3.5 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.4000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4244	1.4244	4.0000e-005	0.0000	1.4254
Total	7.5000e-004	5.4000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4244	1.4244	4.0000e-005	0.0000	1.4254

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	5.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0200	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

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3.5 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.4000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4244	1.4244	4.0000e-005	0.0000	1.4254
Total	7.5000e-004	5.4000e-004	5.6900e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4244	1.4244	4.0000e-005	0.0000	1.4254

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1368					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5352
Total	0.1384	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5352

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3.6 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.3300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0826	1.0826	3.0000e-005	0.0000	1.0833
Total	5.7000e-004	4.1000e-004	4.3300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0826	1.0826	3.0000e-005	0.0000	1.0833

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1368					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5352
Total	0.1384	0.0110	0.0111	2.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	1.5320	1.5320	1.3000e-004	0.0000	1.5352

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3.6 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.3300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0826	1.0826	3.0000e-005	0.0000	1.0833
Total	5.7000e-004	4.1000e-004	4.3300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0826	1.0826	3.0000e-005	0.0000	1.0833

3.7 Underground Utilities - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7800e-003	0.0275	0.0244	3.0000e-005		1.9500e-003	1.9500e-003		1.7900e-003	1.7900e-003	0.0000	2.9673	2.9673	9.2000e-004	0.0000	2.9903
Total	2.7800e-003	0.0275	0.0244	3.0000e-005		1.9500e-003	1.9500e-003		1.7900e-003	1.7900e-003	0.0000	2.9673	2.9673	9.2000e-004	0.0000	2.9903

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3.7 Underground Utilities - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.3300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3086	0.3086	1.0000e-005	0.0000	0.3088
Total	1.7000e-004	1.3000e-004	1.3300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3086	0.3086	1.0000e-005	0.0000	0.3088

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7800e-003	0.0275	0.0244	3.0000e-005		1.9500e-003	1.9500e-003		1.7900e-003	1.7900e-003	0.0000	2.9673	2.9673	9.2000e-004	0.0000	2.9903
Total	2.7800e-003	0.0275	0.0244	3.0000e-005		1.9500e-003	1.9500e-003		1.7900e-003	1.7900e-003	0.0000	2.9673	2.9673	9.2000e-004	0.0000	2.9903

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3.7 Underground Utilities - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.3300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3086	0.3086	1.0000e-005	0.0000	0.3088
Total	1.7000e-004	1.3000e-004	1.3300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3086	0.3086	1.0000e-005	0.0000	0.3088

3.7 Underground Utilities - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2000e-003	0.0221	0.0218	3.0000e-005		1.4800e-003	1.4800e-003		1.3600e-003	1.3600e-003	0.0000	2.6397	2.6397	8.4000e-004	0.0000	2.6606
Total	2.2000e-003	0.0221	0.0218	3.0000e-005		1.4800e-003	1.4800e-003		1.3600e-003	1.3600e-003	0.0000	2.6397	2.6397	8.4000e-004	0.0000	2.6606

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3.7 Underground Utilities - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.0800e-003	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2706	0.2706	1.0000e-005	0.0000	0.2708
Total	1.4000e-004	1.0000e-004	1.0800e-003	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2706	0.2706	1.0000e-005	0.0000	0.2708

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2000e-003	0.0221	0.0218	3.0000e-005		1.4800e-003	1.4800e-003		1.3600e-003	1.3600e-003	0.0000	2.6397	2.6397	8.4000e-004	0.0000	2.6606
Total	2.2000e-003	0.0221	0.0218	3.0000e-005		1.4800e-003	1.4800e-003		1.3600e-003	1.3600e-003	0.0000	2.6397	2.6397	8.4000e-004	0.0000	2.6606

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3.7 Underground Utilities - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.0800e-003	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2706	0.2706	1.0000e-005	0.0000	0.2708
Total	1.4000e-004	1.0000e-004	1.0800e-003	0.0000	3.1000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2706	0.2706	1.0000e-005	0.0000	0.2708

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4265	3.2024	3.6172	0.0123	0.7607	0.0132	0.7738	0.2039	0.0124	0.2163	0.0000	1,141.2008	1,141.2008	0.0956	0.0000	1,143.5907
Unmitigated	0.4265	3.2024	3.6172	0.0123	0.7607	0.0132	0.7738	0.2039	0.0124	0.2163	0.0000	1,141.2008	1,141.2008	0.0956	0.0000	1,143.5907

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	1,487.00	1,487.00	1,487.00	1,991,914	1,991,914
Parking Lot	0.00	0.00	0.00		
Total	1,487.00	1,487.00	1,487.00	1,991,914	1,991,914

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.533383	0.039495	0.183627	0.126156	0.018688	0.005561	0.017029	0.066607	0.001345	0.001247	0.004677	0.000974	0.001211
Parking Lot	0.533383	0.039495	0.183627	0.126156	0.018688	0.005561	0.017029	0.066607	0.001345	0.001247	0.004677	0.000974	0.001211

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	365.9022	365.9022	7.9900e-003	1.6500e-003	366.5945
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	365.9022	365.9022	7.9900e-003	1.6500e-003	366.5945
NaturalGas Mitigated	9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	92.6277	92.6277	1.7800e-003	1.7000e-003	93.1782
NaturalGas Unmitigated	9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	92.6277	92.6277	1.7800e-003	1.7000e-003	93.1782

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	1.73578e+006	9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	92.6277	92.6277	1.7800e-003	1.7000e-003	93.1782
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	92.6277	92.6277	1.7800e-003	1.7000e-003	93.1782

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	1.73578e+006	9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	92.6277	92.6277	1.7800e-003	1.7000e-003	93.1782
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.3600e-003	0.0851	0.0715	5.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	92.6277	92.6277	1.7800e-003	1.7000e-003	93.1782

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	542264	326.6831	7.1300e-003	1.4800e-003	327.3013
Parking Lot	65100	39.2191	8.6000e-004	1.8000e-004	39.2933
Total		365.9022	7.9900e-003	1.6600e-003	366.5945

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	542264	326.6831	7.1300e-003	1.4800e-003	327.3013
Parking Lot	65100	39.2191	8.6000e-004	1.8000e-004	39.2933
Total		365.9022	7.9900e-003	1.6600e-003	366.5945

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2194	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137
Unmitigated	0.2194	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2051					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3000e-004	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137
Total	0.2194	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2051					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3000e-004	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137
Total	0.2194	6.0000e-005	6.6800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0129	0.0129	3.0000e-005	0.0000	0.0137

7.0 Water Detail

7.1 Mitigation Measures Water

- Apply Water Conservation Strategy
- Use Reclaimed Water
- Install Low Flow Bathroom Faucet
- Install Low Flow Toilet
- Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	49.3089	0.1321	3.3100e-003	53.5970
Unmitigated	61.6362	0.1651	4.1400e-003	66.9962

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	5.02581 / 3.08034	61.6362	0.1651	4.1400e-003	66.9962
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		61.6362	0.1651	4.1400e-003	66.9962

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	4.02065 / 2.46427	49.3089	0.1321	3.3100e-003	53.5970
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		49.3089	0.1321	3.3100e-003	53.5970

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.0668	1.8360	0.0000	76.9666
Unmitigated	41.4223	2.4480	0.0000	102.6221

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	204.06	41.4223	2.4480	0.0000	102.6221
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		41.4223	2.4480	0.0000	102.6221

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	153.045	31.0668	1.8360	0.0000	76.9666
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		31.0668	1.8360	0.0000	76.9666

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	69.3840	0.0000	0.0000	69.3840

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	98	69.3840	0.0000	0.0000	69.3840
Total		69.3840	0.0000	0.0000	69.3840

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

**DEA-08 Lake Elsinore Honda
Riverside-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	53.43	1000sqft	1.23	53,425.00	0
Parking Lot	465.00	Space	4.18	186,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2019
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MW hr)	1328.16	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

Project Characteristics -

Land Use -

Construction Phase - Site Prep: 9/2018

Grading: 10/2018

Trenching: 12/2018

Building: 2/2019

Operation/completion: 9/2019

Off-road Equipment - Scrapers

Off-road Equipment - Cranes and forklifts

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Architectural Coating - Assume 50 g/L

Vehicle Trips - David Evans and Associates Inc. TIA: 1,487 daily trips

Area Coating - Assume 50 g/L

Sequestration -

Construction Off-road Equipment Mitigation -

Area Mitigation - 50 g/L already accounted for during construction and operation

Water Mitigation - Low flow fixtures, use of reclaimed water in car wash, use of water conservation irrigation (drip, flow and rain sensors, ensuring no run-off)
20% indoor and outdoor water reduction per CALGreen Standards

Waste Mitigation - Consistent with AB-341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	12.00
tblConstructionPhase	NumDays	230.00	140.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	12/6/2019	9/30/2019
tblConstructionPhase	PhaseEndDate	10/11/2019	8/15/2019
tblConstructionPhase	PhaseEndDate	11/8/2019	9/12/2019
tblConstructionPhase	PhaseEndDate	10/26/2018	9/28/2018
tblConstructionPhase	PhaseStartDate	11/9/2019	9/13/2019
tblConstructionPhase	PhaseStartDate	11/24/2018	2/1/2019
tblConstructionPhase	PhaseStartDate	10/27/2018	10/1/2018
tblConstructionPhase	PhaseStartDate	10/12/2019	8/16/2019
tblConstructionPhase	PhaseStartDate	10/13/2018	9/17/2018
tblGrading	MaterialExported	0.00	16.00
tblGrading	MaterialImported	0.00	20,200.00
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblSequestration	NumberOfNewTrees	0.00	98.00
tblVehicleTrips	ST_TR	23.72	27.83
tblVehicleTrips	SU_TR	11.88	27.83
tblVehicleTrips	WD_TR	23.72	27.83

2.0 Emissions Summary

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2037	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212
Energy	0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020
Mobile	2.3544	17.2587	19.6969	0.0657	4.2489	0.0734	4.3222	1.1371	0.0693	1.2064		6,712.6436	6,712.6436	0.6048		6,727.7640
Total	3.6094	17.7254	20.1419	0.0685	4.2489	0.1090	4.3579	1.1371	0.1049	1.2420		7,272.2343	7,272.2343	0.6159	0.0103	7,290.6871

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2037	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212
Energy	0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020
Mobile	2.3544	17.2587	19.6969	0.0657	4.2489	0.0734	4.3222	1.1371	0.0693	1.2064		6,712.6436	6,712.6436	0.6048		6,727.7640
Total	3.6094	17.7254	20.1419	0.0685	4.2489	0.1090	4.3579	1.1371	0.1049	1.2420		7,272.2343	7,272.2343	0.6159	0.0103	7,290.6871

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/17/2018	9/28/2018	5	10	
2	Grading	Grading	10/1/2018	11/23/2018	5	40	
3	Building Construction	Building Construction	2/1/2019	8/15/2019	5	140	
4	Paving	Paving	8/16/2019	9/12/2019	5	20	
5	Architectural Coating	Architectural Coating	9/13/2019	9/30/2019	5	12	
6	Underground Utilities	Trenching	12/1/2018	1/25/2019	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 100

Acres of Paving: 4.18

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 80,138; Non-Residential Outdoor: 26,713; Striped Parking Area: 11,160 (Architectural Coating – sqft)

OffRoad Equipment

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Scrapers	2	8.00	367	0.48
Underground Utilities	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Underground Utilities	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,527.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	95.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.2 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1057	0.0714	0.7236	1.9000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		189.4893	189.4893	5.6100e-003		189.6294
Total	0.1057	0.0714	0.7236	1.9000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		189.4893	189.4893	5.6100e-003		189.6294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	8.1298	2.5769	10.7067	4.4688	2.3708	6.8396	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.2 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1057	0.0714	0.7236	1.9000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		189.4893	189.4893	5.6100e-003		189.6294
Total	0.1057	0.0714	0.7236	1.9000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		189.4893	189.4893	5.6100e-003		189.6294

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7373	0.0000	8.7373	3.6062	0.0000	3.6062			0.0000			0.0000
Off-Road	5.0786	59.1976	34.2383	0.0601		2.6755	2.6755		2.4615	2.4615		6,052.8673	6,052.8673	1.8843		6,099.9758
Total	5.0786	59.1976	34.2383	0.0601	8.7373	2.6755	11.4128	3.6062	2.4615	6.0676		6,052.8673	6,052.8673	1.8843		6,099.9758

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.3 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3919	17.3839	2.3513	0.0479	1.1054	0.0657	1.1711	0.3030	0.0629	0.3659		5,074.072 1	5,074.072 1	0.3594		5,083.057 6
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1175	0.0794	0.8040	2.1100e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2900e-003	0.0606		210.5436	210.5436	6.2300e-003		210.6994
Total	0.5094	17.4632	3.1553	0.0500	1.3289	0.0671	1.3960	0.3623	0.0642	0.4265		5,284.615 7	5,284.615 7	0.3657		5,293.756 9

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9318	0.0000	3.9318	1.6228	0.0000	1.6228			0.0000			0.0000
Off-Road	5.0786	59.1976	34.2383	0.0601		2.6755	2.6755		2.4615	2.4615	0.0000	6,052.867 3	6,052.867 3	1.8843		6,099.975 8
Total	5.0786	59.1976	34.2383	0.0601	3.9318	2.6755	6.6073	1.6228	2.4615	4.0842	0.0000	6,052.867 3	6,052.867 3	1.8843		6,099.975 8

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.3 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3919	17.3839	2.3513	0.0479	1.1054	0.0657	1.1711	0.3030	0.0629	0.3659		5,074.0721	5,074.0721	0.3594		5,083.0576
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1175	0.0794	0.8040	2.1100e-003	0.2236	1.4000e-003	0.2250	0.0593	1.2900e-003	0.0606		210.5436	210.5436	6.2300e-003		210.6994
Total	0.5094	17.4632	3.1553	0.0500	1.3289	0.0671	1.3960	0.3623	0.0642	0.4265		5,284.6157	5,284.6157	0.3657		5,293.7569

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8022	26.3349	19.1702	0.0320		1.5127	1.5127		1.4177	1.4177		3,091.3894	3,091.3894	0.7895		3,111.1261
Total	2.8022	26.3349	19.1702	0.0320		1.5127	1.5127		1.4177	1.4177		3,091.3894	3,091.3894	0.7895		3,111.1261

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1364	4.4294	0.9673	9.8800e-003	0.2498	0.0341	0.2839	0.0719	0.0327	0.1046		1,041.0607	1,041.0607	0.0961		1,043.4640
Worker	0.5111	0.3323	3.4205	9.7300e-003	1.0619	6.5500e-003	1.0684	0.2816	6.0400e-003	0.2877		969.4913	969.4913	0.0263		970.1490
Total	0.6474	4.7617	4.3878	0.0196	1.3116	0.0407	1.3523	0.3535	0.0387	0.3922		2,010.5520	2,010.5520	0.1224		2,013.6129

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8022	26.3349	19.1702	0.0320		1.5127	1.5127		1.4177	1.4177	0.0000	3,091.3894	3,091.3894	0.7895		3,111.1261
Total	2.8022	26.3349	19.1702	0.0320		1.5127	1.5127		1.4177	1.4177	0.0000	3,091.3894	3,091.3894	0.7895		3,111.1261

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1364	4.4294	0.9673	9.8800e-003	0.2498	0.0341	0.2839	0.0719	0.0327	0.1046		1,041.0607	1,041.0607	0.0961		1,043.4640
Worker	0.5111	0.3323	3.4205	9.7300e-003	1.0619	6.5500e-003	1.0684	0.2816	6.0400e-003	0.2877		969.4913	969.4913	0.0263		970.1490
Total	0.6474	4.7617	4.3878	0.0196	1.3116	0.0407	1.3523	0.3535	0.0387	0.3922		2,010.5520	2,010.5520	0.1224		2,013.6129

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0020	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.5 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0525	0.5401	1.5400e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		153.0776	153.0776	4.1500e-003		153.1814
Total	0.0807	0.0525	0.5401	1.5400e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		153.0776	153.0776	4.1500e-003		153.1814

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.5476					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0020	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.5 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0525	0.5401	1.5400e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		153.0776	153.0776	4.1500e-003		153.1814
Total	0.0807	0.0525	0.5401	1.5400e-003	0.1677	1.0300e-003	0.1687	0.0445	9.5000e-004	0.0454		153.0776	153.0776	4.1500e-003		153.1814

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.7909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	23.0573	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.6 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0665	0.6841	1.9500e-003	0.2124	1.3100e-003	0.2137	0.0563	1.2100e-003	0.0575		193.8983	193.8983	5.2600e-003		194.0298
Total	0.1022	0.0665	0.6841	1.9500e-003	0.2124	1.3100e-003	0.2137	0.0563	1.2100e-003	0.0575		193.8983	193.8983	5.2600e-003		194.0298

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.7909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	23.0573	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.6 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0665	0.6841	1.9500e-003	0.2124	1.3100e-003	0.2137	0.0563	1.2100e-003	0.0575		193.8983	193.8983	5.2600e-003		194.0298
Total	0.1022	0.0665	0.6841	1.9500e-003	0.2124	1.3100e-003	0.2137	0.0563	1.2100e-003	0.0575		193.8983	193.8983	5.2600e-003		194.0298

3.7 Underground Utilities - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2650	2.6191	2.3272	3.0900e-003		0.1856	0.1856		0.1707	0.1707		311.5080	311.5080	0.0970		313.9324
Total	0.2650	2.6191	2.3272	3.0900e-003		0.1856	0.1856		0.1707	0.1707		311.5080	311.5080	0.0970		313.9324

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.7 Underground Utilities - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0176	0.0119	0.1206	3.2000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		31.5816	31.5816	9.3000e-004		31.6049
Total	0.0176	0.0119	0.1206	3.2000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		31.5816	31.5816	9.3000e-004		31.6049

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2650	2.6191	2.3272	3.0900e-003		0.1856	0.1856		0.1707	0.1707	0.0000	311.5080	311.5080	0.0970		313.9324
Total	0.2650	2.6191	2.3272	3.0900e-003		0.1856	0.1856		0.1707	0.1707	0.0000	311.5080	311.5080	0.0970		313.9324

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

3.7 Underground Utilities - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0176	0.0119	0.1206	3.2000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		31.5816	31.5816	9.3000e-004		31.6049
Total	0.0176	0.0119	0.1206	3.2000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		31.5816	31.5816	9.3000e-004		31.6049

3.7 Underground Utilities - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2319	2.3279	2.2933	3.0900e-003		0.1554	0.1554		0.1430	0.1430		306.2951	306.2951	0.0969		308.7178
Total	0.2319	2.3279	2.2933	3.0900e-003		0.1554	0.1554		0.1430	0.1430		306.2951	306.2951	0.0969		308.7178

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3.7 Underground Utilities - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0161	0.0105	0.1080	3.1000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0800e-003		30.6155	30.6155	8.3000e-004		30.6363
Total	0.0161	0.0105	0.1080	3.1000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0800e-003		30.6155	30.6155	8.3000e-004		30.6363

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2319	2.3279	2.2933	3.0900e-003		0.1554	0.1554		0.1430	0.1430	0.0000	306.2951	306.2951	0.0969		308.7178
Total	0.2319	2.3279	2.2933	3.0900e-003		0.1554	0.1554		0.1430	0.1430	0.0000	306.2951	306.2951	0.0969		308.7178

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3.7 Underground Utilities - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0161	0.0105	0.1080	3.1000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0800e-003		30.6155	30.6155	8.3000e-004		30.6363
Total	0.0161	0.0105	0.1080	3.1000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0800e-003		30.6155	30.6155	8.3000e-004		30.6363

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3544	17.2587	19.6969	0.0657	4.2489	0.0734	4.3222	1.1371	0.0693	1.2064		6,712.6436	6,712.6436	0.6048		6,727.7640
Unmitigated	2.3544	17.2587	19.6969	0.0657	4.2489	0.0734	4.3222	1.1371	0.0693	1.2064		6,712.6436	6,712.6436	0.6048		6,727.7640

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	1,487.00	1,487.00	1487.00	1,991,914	1,991,914
Parking Lot	0.00	0.00	0.00		
Total	1,487.00	1,487.00	1,487.00	1,991,914	1,991,914

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.533383	0.039495	0.183627	0.126156	0.018688	0.005561	0.017029	0.066607	0.001345	0.001247	0.004677	0.000974	0.001211
Parking Lot	0.533383	0.039495	0.183627	0.126156	0.018688	0.005561	0.017029	0.066607	0.001345	0.001247	0.004677	0.000974	0.001211

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020
NaturalGas Unmitigated	0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	4755.56	0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	4.75556	0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0513	0.4662	0.3916	2.8000e-003		0.0354	0.0354		0.0354	0.0354		559.4773	559.4773	0.0107	0.0103	562.8020

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2037	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212
Unmitigated	1.2037	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0700e-003	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212
Total	1.2037	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0700e-003	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212
Total	1.2037	5.0000e-004	0.0535	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1135	0.1135	3.1000e-004		0.1212

7.0 Water Detail

7.1 Mitigation Measures Water

- Apply Water Conservation Strategy
- Use Reclaimed Water
- Install Low Flow Bathroom Faucet
- Install Low Flow Toilet
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

DEA-08 Lake Elsinore Honda - Riverside-South Coast County, Winter

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
