

APPENDIX B

AIR QUALITY TECHNICAL REPORT



Air Quality Assessment

The Koll Center Residences

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INTERNATIONAL



AIR QUALITY EMISSIONS ASSESSMENT

FOR THE

THE KOLL CENTER RESIDENCES

CITY OF NEWPORT BEACH, CALIFORNIA

SEPTEMBER 2017

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1.0 INTRODUCTION

This report documents the results of an air quality assessment completed for the Koll Center Residences Project, a 12.56-acre development project at 4400 Von Karman Avenue in Newport Beach, California. The purpose of this assessment is to estimate project-generated criteria air pollutants to determine the level of impact the project would have on the environment.

1.1 PROJECT LOCATION

The Koll Center Residences Project site in Newport Beach, California located west of Birch Street, east of and Von Karman Avenue, and north of Jamboree Road. The project site is surrounded by commercial land uses in all directions. Existing multi-family residences are located east of the project site. Major transportation facilities in the vicinity of the proposed project site include Interstate 405 located approximately 1.2 miles to the north; refer to [Exhibit 1, *Regional Vicinity*](#), and [Exhibit 2, *Site Vicinity*](#).

1.2 PROJECT DESCRIPTION

The Koll Center Residences Project proposes to demolish 819 parking spots in order to make way for the construction of 260 luxury residential condominiums, 3,000 square feet (sf) of neighborhood serving retail, a 490 stand-alone stall parking garage and a 1.19 acre public park. The condominiums consist of (3) multi-floor residential towers, 13 stories of residential over 2 levels above grade parking and 2-3 levels below grade parking, with retail at ground level. Refer to [Exhibit 3, *Site Plan*](#).

Each residential tower would include a mix of one-bedroom, two-bedroom, and three-bedroom residential condominium units. The units would be configured as flats ranging in size from approximately 1,240 sf to 3,160 sf with private balconies. Each residence would have a semi-private access through a private lobby in each building or from a secured residents-only area of the parking garage. Private amenities would be located on the third-story of each building (podium) which are proposed to include a club room, pool, spa, pool deck with shower and restroom, lawn, amenity courtyard, fitness area, and bocce ball courts. Each building would have conference centers that could be used by residents for business uses.

Building 1: Tower 1

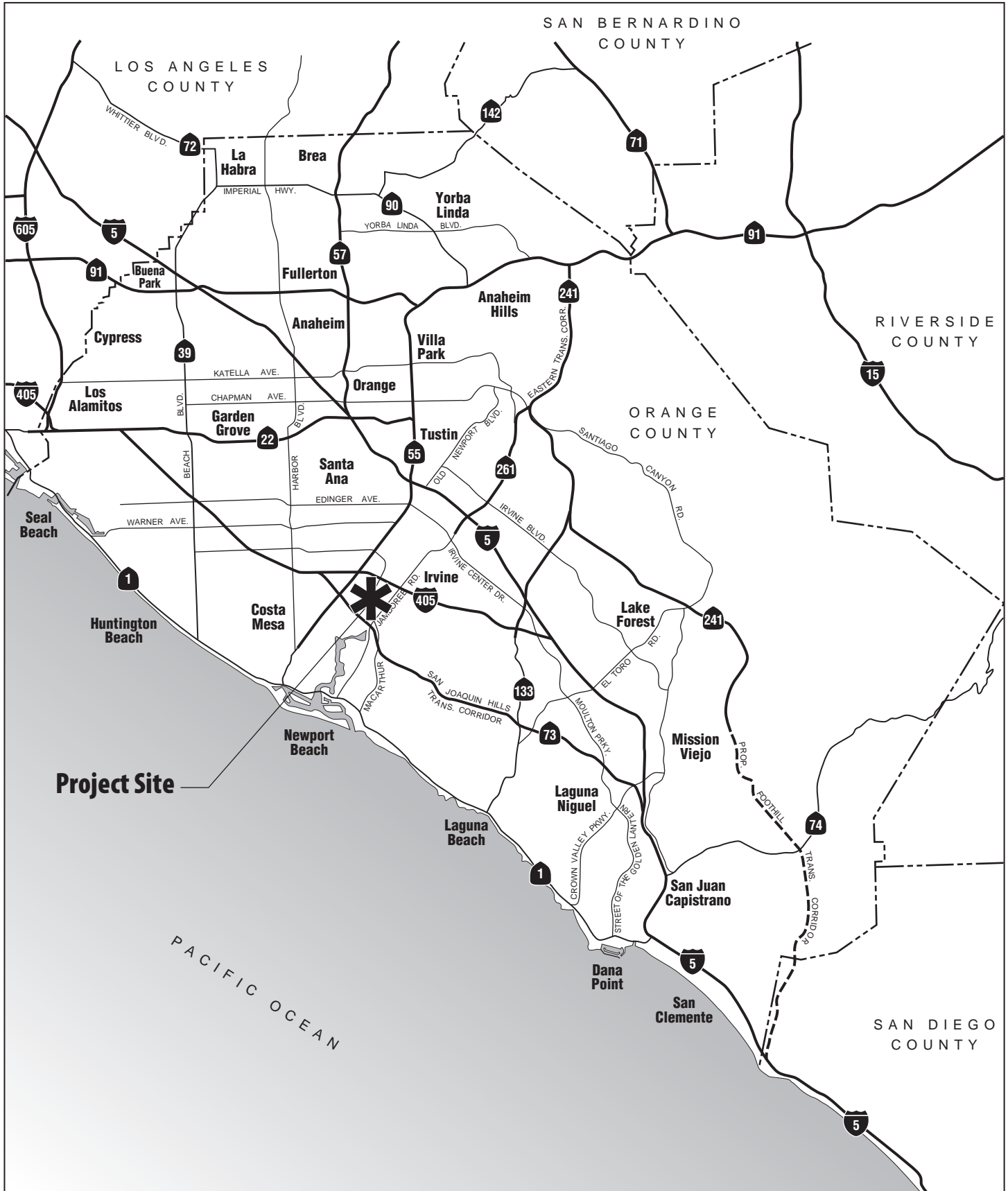
Building 1 is proposed as a 13-story podium residential building with five levels of structured parking (3 levels below ground and 2 levels above ground), and street level retail uses. Tower 1 would have 87 residential units, as well as a multi-level penthouse unit on the top level of the building.


Building 2: Tower 1 and Tower 2

Building 2 includes two, 13-story podium residential towers with common parking and amenities. Building 2 would have four levels of structured parking (2 levels below ground and 2 levels above ground) with street level retail uses. Tower 2 and Tower 3 are proposed to have 86 and 87 residential units, respectively.

Construction Activities and Phasing

Implementation of the proposed project would be phased over a four-year period with demolition and construction activities anticipated to commence in the first quarter of 2018 and construction completed in the third quarter of 2022.



 Subject Site



Source: Google Earth Pro, April 2017



A free-standing parking structure would be constructed prior to the first residential building (Building 1) to replace surface parking temporarily and permanently displaced. Completion of the parking structure would be followed by Building 1, and then Buildings 2 and 3. The project site would be graded, and foundation excavation would require the 127,730 CY cut and removal of approximately 118,504 cubic yards (CY) of soil in total.

Implementation of the project would displace approximately 819 parking spaces associated with the existing office buildings. While a portion of the spaces would be replaced as surface parking around the proposed residential buildings, other spaces would be permanently displaced for the three buildings, a one-acre public park, and free-standing parking structure.

Phase A. Phase A includes the demolition of approximately 137 surface parking spaces to allow for the construction of a free-standing 490-stall parking structure. The approximately 50-foot-high parking structure would include three levels of below-ground parking and five levels of above-ground parking and roof deck parking. Valet parking is proposed for the use of office employees and visitors during the construction of the parking structure. Phase A would begin in advance of breaking ground on the remainder of the residential buildings. Grading associated with the parking structure would be approximately 24,726 CY of cut with approximately 24,139 CY of export from the project site. Construction activities are anticipated to occur over an approximate 10-month timeframe.

Phase 1. Phase 1 includes the demolition of approximately 331 surface parking spaces to allow for the construction of the first residential building. Accessible parking spaces for the 4440 Von Karman office building and the trash enclosure would be relocated from the south side to the north side of the building, and surface parking improvements adjacent to the building would be provided.

Building 1 would be located adjacent to Birch Street and adjacent to the office building located at 4910 Birch Street within the boundaries of the project site. Building 1 includes 87 residential units with 5 levels of parking (2 levels above-grade and 3 levels of below-grade parking), and approximately 1,768 sf of retail uses on the ground level of Building 1. The parking garages within the buildings would be gated. The displaced parking would be replaced in the new free-standing parking structure and at Building 1. Construction associated with Building 1 would require approximately 56,699 CY of cut and 51,951 CY of export. Construction activities are anticipated to occur over an approximate 22-month timeframe.

Phase 2. Phase 2 includes the demolition of approximately 243 office parking spaces to allow for the construction of Building 2 and Building 3. Building 2 would be located adjacent to and south of Building 1. Building 3 would be located southwest of Building 2. Buildings 2 and 3 include 86 and 87 residential units, respectively, 4 levels of parking (2 levels of above-grade and 2 levels of below-grade parking), and approximately 1,232 sf of retail on the ground level of Building 2. The displaced parking would be replaced with the new free-standing parking structure and Phase 1 parking garage in Building 1. Buildings 2 and 3 require approximately 46,306 CY of cut and 42,414 CY of export from the project site. Construction activities are anticipated to occur over an approximate 22-month timeframe.

Phase 3. Phase 3 includes the demolition of approximately 132 parking spaces to allow for the construction of the public park and the reconfiguration of on-site surface parking and access. The displaced parking is replaced in the new free-standing parking structure. Construction activities are anticipated to occur over an approximate 6- to 9-month timeframe.

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2.0 AIR QUALITY

2.1 AIR QUALITY SETTING

Air quality in a region is determined by the region's topography, meteorology, and existing air pollutant sources. These factors are discussed below, along with the current regulatory structure that applies to the South Coast Air Basin (SoCAB), which encompasses the project site.

AIR BASIN CHARACTERISTICS

South Coast Air Basin

The California Air Resources Board (CARB) divides the state into air basins that share similar meteorological and topographical features. Newport Beach lies in the SoCAB, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange County. The air basin is on a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean on the southwest, with high mountains forming the remainder of the perimeter (SCAQMD 1993).

Temperature and Precipitation

The air basin is part of a semi-permanent high pressure zone in the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds. The annual average temperature varies little throughout the 6,645-square-mile SoCAB, ranging from the low 60s to the high 80s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas (SCAQMD 1993).

In contrast to a very steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rains fall between November and April. Summer rainfall is normally restricted to widely scattered thundershowers near the coast, with slightly heavier shower activity in the east and over the mountains.

Humidity

Although the SoCAB has a semiarid climate, the air near the earth's surface is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SoCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog, especially along the coast, are frequent, and low clouds, often referred to as high fog, are a characteristic climatic feature. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SoCAB (SCAQMD 1993).

Wind

Wind patterns across the south coastal region are characterized by westerly or southwesterly onshore winds during the day and by easterly or northeasterly breezes at night. Wind speed is higher during the dry summer months than during the rainy winter.

Between periods of wind, air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During the winter and fall, surface high-pressure systems over the SoCAB, combined with other

meteorological conditions, can result in very strong, downslope Santa Ana winds. These winds normally continue a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SoCAB generally ranges from fair to poor and is similar to air quality in most of coastal Southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions (SCAQMD 1993).

Inversions

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two similarly distinct types of temperature inversions control the vertical depth through which pollutants are mixed. These inversions are the marine/subsidence inversion and the radiation inversion. The height of the base of the inversion at any given time is known as the "mixing height." The combination of winds and inversions is a critical determinant leading to highly degraded air quality in the summer and generally good air quality in the winter in Newport Beach.

AIR POLLUTANTS OF CONCERN

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and state laws. These regulated air pollutants are known as "criteria air pollutants" and are categorized into primary and secondary pollutants. Primary air pollutants are those that are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO_x), sulfur dioxide (SO₂), coarse particulate matter (PM₁₀), fine particulate matter (PM_{2.5}), lead, and fugitive dust are primary air pollutants. Of these, CO, SO₂, PM₁₀, and PM_{2.5} are criteria pollutants. ROG and NO_x are criteria pollutant precursors and go on to form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere (for example, ozone (O₃) is formed by a chemical reaction between ROG and NO_x in the presence of sunlight). O₃ and nitrogen dioxide (NO₂) are the principal secondary pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in Table 1, *Criteria Air Pollutants Summary of Common Sources and Effects*.

TABLE 1
CRITERIA AIR POLLUTANTS SUMMARY OF COMMON SOURCES AND EFFECTS

Pollutant	Major Man-Made Sources	Human Health & Welfare Effects
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO ₂)	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Ozone (O ₃)	Formed by a chemical reaction between volatile organic compounds (VOC) and nitrous oxides (NO _x) in the presence of sunlight. VOCs are also commonly referred to as reactive organic gases (ROGs). Common sources of these precursor pollutants include motor vehicle exhaust, industrial emissions, gasoline storage and transport, solvents, paints, and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield. Damages rubber, some textiles, and dyes.
Particulate Matter (PM ₁₀ & PM _{2.5})	Produced by power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles, and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze).
Sulfur Dioxide (SO ₂)	A colorless, nonflammable gas formed when fuel containing sulfur is burned; when gasoline is extracted from oil; or when metal is extracted from ore. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.

Source: CAPCOA 2013

AMBIENT AIR QUALITY

Criteria Air Pollutant Monitoring Data

Ambient air quality in Newport Beach can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. Existing levels of ambient air quality and historical trends and projections in the vicinity of Newport Beach are documented by measurements made by the South Coast Air Quality Management District (SCAQMD), the air pollution regulatory agency in the SoCAB that maintains air quality monitoring stations which process ambient air quality measurements.

Ozone and particulate matter (PM₁₀ and PM_{2.5}) are pollutants of particular concern in the SoCAB. The Mission Viejo air quality monitoring station (26081 Via Pera, Mission Viejo, CA 92691) is the closest station to the project site at approximately 10.8 miles to the southeast. This station monitors ambient concentrations of ozone, PM₁₀, and PM_{2.5}. The ambient emission concentrations will vary due to localized variations in emission sources and climate and should be considered "generally" representative of ambient concentrations in Newport Beach.

Table 2, *Summary of Ambient Air Quality Data*, summarizes the published data since 2013 from the Mission Viejo monitoring station for each year that the monitoring data is provided.

TABLE 2
SUMMARY OF AMBIENT AIR QUALITY DATA – MISSION VIEJO MONITORING STATION

Pollutant Standards	2013	2014	2015
<i>Ozone</i>			
Max 1-hour concentration (ppm)	0.104	0.115	0.099
Max 8-hour concentration (ppm) (state/federal)	0.082 / 0.082	0.088 / 0.088	0.088 / 0.088
Number of days above state 1-hr standard	2	4	2
Number of days above state/federal 8-hour standard	5 / 5	10 / 10	8 / 8
<i>Respirable Particulate Matter (PM₁₀)</i>			
Max 24-hour concentration (µg/m ³) (state/federal)	50.0 / 51.0	40.0 / 41.0	48.0 / 49.0
Number of days above state/federal standard	0 / 0	0 / 0	* / *
<i>Fine Particulate Matter (PM_{2.5})</i>			
Max 24-hour concentration (µg/m ³) (state/federal)	28.0 / 28.0	25.5 / 25.5	31.5 / 31.5
Number of days above federal standard	0	*	0

Source: CARB 2016b

Notes: µg/m³ = micrograms per cubic meter; ppm = parts per million

* Insufficient data to determine the value

The attainment status for the SoCAB is included in Table 3, *Attainment Status of Criteria Pollutants in the South Coast Air Basin*. Areas that meet ambient air quality standards are classified as attainment areas, while areas that do not meet these standards are classified as nonattainment areas. Areas for which there is insufficient data available are designated unclassified. The region is designated as a nonattainment area for the federal ozone and PM_{2.5} standards and is also a nonattainment area for the state standards for state ozone, PM₁₀, and PM_{2.5} (CARB 2016a).

TABLE 3
ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SOUTH COAST AIR BASIN

Pollutant	State Designation	Federal Designation
Ozone (O ₃)	Nonattainment	Nonattainment
Coarse Particulate Matter (PM ₁₀)	Attainment/Serious Maintenance	Nonattainment
Fine Particulate Matter (PM _{2.5})	Nonattainment	Nonattainment
Carbon Monoxide (CO)	Attainment/Maintenance	Unclassified/Attainment
Nitrogen Dioxide (NO ₂)	Attainment/Maintenance	Unclassified/Attainment
Sulfur Dioxide (SO ₂)	Unclassified/Attainment	Attainment

Source: CARB 2016a and US EPA 2017

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Noncarcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

There are many different types of TACs, with varying degrees of toxicity. Sources of TACs include industrial processes, such as petroleum refining and chrome-plating operations; commercial operations, such as gasoline stations and dry cleaners; and motor vehicle exhaust. Public exposure to TACs can result from emissions from normal operations, as well as from accidental releases of hazardous materials during upset conditions. The health effects associated with TACs are quite diverse and generally are assessed locally, rather than regionally. TACs can cause long-term health effects such as cancer, birth defects, neurological damage, asthma, bronchitis, or genetic damage, or short-term acute effects such as eye watering, respiratory irritation (a cough), running nose, throat pain, and headaches.

To date, CARB has designated 244 compounds as TACs (CARB 1999). Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to a relatively few compounds.

CARB identified diesel particulate matter (DPM) as a toxic air contaminant. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel

exhaust particle mass is 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardiorespiratory diseases.

Residential areas are considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Children are considered more susceptible to health effects of air pollution due to their immature immune systems and developing organs. As such, schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. The project site is primarily surrounded by commercial and office uses. Currently, the closest sensitive receptors are the multi-family residences in The Plaza complex, located approximately 1,410 feet to the northeast. However, Phase I of the Uptown Newport development is currently under construction and could have occupied residences during construction of the proposed project. Uptown Newport is located at the northwest corner of the Jamboree Road and Birch Street intersection and would be adjacent to the project boundary.

2.2 REGULATORY FRAMEWORK

Federal

Clean Air Act

The Clean Air Act (CAA) of 1970 and the CAA Amendments of 1971 required the US Environmental Protection Agency (EPA) to establish NAAQS, with states retaining the option to adopt more stringent standards or to include other specific pollutants. On April 2, 2007, the Supreme Court found that carbon dioxide is an air pollutant covered by the CAA; however, no NAAQS have been established for carbon dioxide.

These standards are the levels of air quality considered safe, with an adequate margin of safety, to protect the public health and welfare. They are designed to protect those “sensitive receptors” most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

The EPA has classified air basins (or portions thereof) as being in attainment, nonattainment, or unclassified for each criteria air pollutant, based on whether or not the NAAQS have been achieved. If an area is designated unclassified, it is because inadequate air quality data were available as a basis for a nonattainment or attainment designation. [Table 3](#) lists the federal attainment status of the SoCAB for the criteria pollutants.

National Emissions Standards for Hazardous Air Pollutants Program

Under federal law, 188 substances are listed as hazardous air pollutants (HAPs). Major sources of specific HAPs are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAPS) program. The EPA is establishing regulatory schemes for specific source categories and requires implementation of Maximum Achievable Control Technologies (MACTs) for major sources of HAPs in each source category. State law has established the framework for California’s TAC identification and control program, which is generally more stringent than the federal program and is aimed at HAPs that are a problem in California. The state has formally identified 244 substances as TACs and is adopting appropriate control measures for each. Once adopted at the state level, each air district will be required to adopt a measure that is equally or more stringent.

State

California Air Toxics “Hot Spots” Information and Assessment Act (AB 2588)

The California Air Toxics “Hot Spots” Information and Assessment Act (AB 2588) is a state-wide program enacted in 1987. AB 2588 requires facilities that exceed recommended Office of Environmental Health Hazard Assessment (OEHHA) levels to reduce risks to acceptable levels. AB 2588 requires hundreds of facilities in San Diego County to quantify the emissions of TACs, and in some cases conduct a health risk assessment, and notify the public, while developing risk reduction strategies.

Typically, land development projects generate diesel emissions from construction vehicles during the construction phase, as well as some diesel emissions from small trucks during the operational

phase. Diesel exhaust is mainly composed of particulate matter and gases, which contain potential cancer-causing substances. Emissions from diesel engines currently include over 40 substances that are listed by EPA as hazardous air pollutants and by CARB as toxic air contaminants. On August 27, 1998, CARB identified particulate matter in diesel exhaust as a TAC, based on data linking diesel particulate emissions to increased risks of lung cancer and respiratory disease.

In September 2000, CARB adopted a comprehensive diesel risk reduction plan to reduce emissions from both new and existing diesel-fueled engines and vehicles. The goal of the plan is to reduce diesel PM emissions and the associated health risk by 75 percent in 2010 and by 85 percent by 2020. As part of this plan, CARB identified Airborne Toxic Control Measures (ATCM) for mobile and stationary emissions sources. Each ATCM is codified in the California Code of Regulations, including the ATCM to limit diesel-fueled commercial motor vehicle idling, which puts limits on idling time for large diesel engines (13 CCR Chapter 10 Section 2485).

California Clean Air Act

The California Clean Air Act (CCAA) allows states to adopt ambient air quality standards and other regulations provided that they are at least as stringent as federal standards. CARB, a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California, including setting the California ambient air quality standards. CARB also conducts research, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB also has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and the local air districts.

In addition to standards set for the six criteria pollutants, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Further, in addition to primary and secondary ambient air quality standards, the State has established a set of episode criteria for ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, and particulate matter. These criteria refer to episode levels representing periods of short-term exposure to air pollutants that actually threaten public health. [Table 3](#) above lists the state attainment status of the SoCAB for the criteria pollutants.

California State Implementation Plan

The federal Clean Air Act (and its subsequent amendments) requires each state to prepare an air quality control plan referred to as the SIP. The SIP is a living document that is periodically modified to reflect the latest emissions inventories, plans, and rules and regulations of air basins as reported by the agencies with jurisdiction over them. The CAA Amendments dictate that states containing areas violating the national ambient air quality standards revise their SIPs to include extra control measures to reduce air pollution. The SIP includes strategies and control measures to attain the NAAQS by deadlines established by the Clean Air Act. The EPA has the responsibility to review all State Implementation Plans to determine if they conform to the requirements of the CAA.

State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the EPA for approval and publication in the Federal Register. The

2016 Air Quality Management Plan (2016 AQMP) is the SIP for the SoCAB. The 2016 AQMP is a regional blueprint for achieving air quality standards and healthful air in the SoCAB and those portions of the Salton Sea Air Basin (SSAB) that are under the South Coast Air Quality Management District's (SCAQMD's) jurisdiction. The 2016 AQMP represents a new approach, focusing on available, proven, and cost effective alternatives to traditional strategies, while seeking to achieve multiple goals in partnership with other entities promoting reductions in greenhouse gases and toxic risk, as well as efficiencies in energy use, transportation, and goods movement. The most effective way to reduce air pollution impacts is to reduce emissions from mobile sources. The AQMP relies on a regional and multi-level partnership of governmental agencies at the federal, state, regional, and local level. These agencies (EPA, CARB, local governments, Southern California Association of Governments [SCAG] and the SCAQMD) are the primary agencies that implement the AQMP programs. The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including SCAG's latest *Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)*, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. The 2016 AQMP includes integrated strategies and measures to meet the NAAQS.

Senate Bill 1889, Accidental Release Prevention Law/California Accidental Release Prevention Program

Senate Bill (SB) 1889 required California to implement a new federally mandated program governing the accidental airborne release of chemicals promulgated under Section 112 of the Clean Air Act. Effective January 1, 1997, the California Accidental Release Prevention Law (CalARP) replaced the previous California Risk Management and Prevention Program and incorporated the mandatory federal requirements. CalARP addresses facilities that contain specified hazardous materials, known as regulated substances, which if involved in an accidental release, could result in adverse offsite consequences. CalARP defines regulated substances as chemicals that pose a threat to public health and safety or the environment because they are highly toxic, flammable, or explosive.

Local

South Coast Air Quality Management District

The SCAQMD is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties. The agency's primary responsibility is ensuring that the federal and state ambient air quality standards are attained and maintained in the SoCAB. The SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, and conducting public education campaigns, as well as many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

South Coast Air Quality Management District Rules and Regulations

The following is a list of noteworthy SCAQMD rules that are required of construction activities associated with the proposed project:

- **Rule 402 (Nuisance)** – This rule prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or

have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. This rule is intended to reduce PM₁₀ emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM₁₀ suppression techniques are summarized below.
 - a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
 - b) All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
 - c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
 - d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
 - e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.
- **Rule 1113 (Architectural Coatings)** – This rule requires manufacturers, distributors, and end-users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories.

2.3 AIR QUALITY IMPACT ASSESSMENT

THRESHOLDS OF SIGNIFICANCE

California Environmental Quality Act

In accordance with guidance provided in Appendix G to the State CEQA Guidelines, the project could have a significant impact if it were to:

- 1) Conflict with or obstruct implementation of any 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) Create objectionable odors affecting a substantial number of people.
- 5) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).

SCAQMD Thresholds

The significance criteria established by the applicable air quality management or air pollution control district (SCAQMD) may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if the proposed project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality for construction and operational activities of land use development projects such as that proposed, as shown in Table 4, SCAQMD Regional Significance Thresholds – Pounds per Day. The SCAQMD thresholds have been developed to ensure attainment of the NAAQS and CAAQS. Both the SCAQMD CEQA Handbook and the 2016 AQMP address attaining the NAAQS and CAAQS.

TABLE 4
SCAQMD REGIONAL SIGNIFICANCE THRESHOLDS – POUNDS PER DAY

Air Pollutant	Construction Activities	Operations
Reactive Organic Gases (ROG)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxides (NO _x)	100	55
Sulfur Oxides (SO _x)	150	150
Coarse Particulates (PM ₁₀)	150	150
Fine Particulates (PM _{2.5})	55	55

Source: SCAQMD 1993 (PM_{2.5} threshold adopted June 1, 2007)

CO Hotspot Analysis

In addition to the daily thresholds listed above, development associated with the proposed project would also be subject to the ambient air quality standards. These are addressed through an analysis of localized CO impacts. The California 1-hour and 8-hour CO standards are:

- 1-hour = 20 parts per million
- 8-hour = 9 parts per million

The significance of localized impacts depends on whether ambient CO levels in the vicinity of the project site are above state and federal CO standards. The SoCAB has been designated as attainment under the 1-hour and 8-hour standards.

Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed localized significance thresholds (LSTs) for emissions of NO₂, CO, PM₁₀, and PM_{2.5} generated at new development sites (off-site mobile source emissions are not included in the LST analysis). LSTs represent the maximum emissions that can be generated at a project site without expecting to cause or substantially contribute to an exceedance of the most stringent national or state ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. Newport Beach is located within SCAQMD SRA 18. [Table 5, *Local Significance Thresholds \(Construction / Operations\)*](#), shows the LSTs for a 1-acre, 2-acre, and 5-acre project site in SRA 18 with sensitive receptors located within 200 meters of the project site.

TABLE 5
LOCAL SIGNIFICANCE THRESHOLDS (CONSTRUCTION / OPERATIONS)

Project Size	Pollutant (pounds per day)			
	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
1 Acre	140 / 140	2,096 / 2,096	54 / 13	22 / 6
2 Acres	165 / 165	2,615 / 2,615	62 / 15	26 / 7
5 Acres	223 / 223	3,888 / 3,888	85 / 21	35 / 9

Source: SCAQMD 2009

Toxic Air Contaminant Thresholds

The SCAQMD regulates levels of air toxics through a permitting process that covers both construction and operation. The SCAQMD has adopted Rule 1401 for both new and modified sources that use materials classified as air toxics. The SCAQMD CEQA Guidelines for permit processing consider the following types of projects significant:

- Any project involving the emission of a carcinogenic or toxic air contaminant identified in SCAQMD Rule 1401 that exceeds the maximum individual cancer risk of 10 in one million if the project is constructed with best available control strategy for toxics (T-BACT) using the procedures in SCAQMD Rule 1401.

- Any project that could accidentally release an acutely hazardous material or routinely release a toxic air contaminant posing an acute health hazard.
- Any project that could emit an air contaminant not currently regulated by a SCAQMD rule, but that is on the federal or state air toxics list.

METHODOLOGY

Air quality impacts were assessed in accordance with methodologies recommended by CARB and the SCAQMD. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects.

PROJECT IMPACTS AND MITIGATION MEASURES

Conflict with the 2016 Air Quality Management Plan

As part of its enforcement responsibilities, the EPA requires each state with nonattainment areas to prepare and submit a State Implementation Plan that demonstrates the means to attain the federal standards. The SIP must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under state law, the California Clean Air Act requires an air quality attainment plan to be prepared for areas designated as nonattainment with regard to the federal and state ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

As previously mentioned, the project site is located within the SoCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the federal Clean Air Act, to reduce emissions of criteria pollutants for which the SoCAB is in nonattainment. In order to reduce such emissions, the SCAQMD drafted the 2016 AQMP. The 2016 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The 2016 AQMP is a regional and multi-agency effort including the SCAQMD, the California Air Resources Board (CARB), the Southern California Association of Governments (SCAG), and the US Environmental Protection Agency (EPA). The 2016 plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's 2016 Regional Transportation Plan/Sustainable Communities Strategy, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. (SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans including the 2006 *City Newport Beach General Plan*.) The project is subject to the SCAQMD's AQMP.

Criteria for determining consistency with the AQMP are defined by the following indicators:

- Consistency Criterion No. 1: The proposed project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.
- Consistency Criterion No. 2: The proposed project will not exceed the assumptions in the AQMP or increments based on the years of the project build-out phase.

The violations to which Consistency Criterion No. 1 refers are the California ambient air quality standards (CAAQS) and the national ambient air quality standards (NAAQS). As shown in [Table 6](#), the construction of the proposed project would exceed NO_x thresholds in 2021 and result in a significant and unavoidable impact despite the implementation of mitigation (refer to the Construction Emissions discussion, below). Operation of the project would not result in significant impacts based on the SCAQMD thresholds of significance. Therefore, project operation would not increase the frequency or severity of existing air quality violations. However, due to exceedance of NO_x thresholds during the 54-month (4.5 year) construction period and the fact that NO_x is a precursor to a nonattainment pollutant, the proposed project would potentially contribute to the exceedance of NO_x pollutant concentration standards. Therefore, project construction would not be consistent with the first criterion and would potentially result in an increase in the frequency or severity of existing air quality violations or delay timely attainment of air quality standards despite the implementation of Mitigation Measure AQ-1.

Concerning the second criterion, the 2016 AQMP contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts are defined in consultation with local governments and with reference to local general plans. Projections for achieving air quality goals are based on assumptions regarding population, housing, and growth trends. Thus, the SCAQMD's second criterion for determining project consistency focuses on whether or not the proposed project exceeds the assumptions utilized in preparing the forecasts presented in the 2016 AQMP.

In the case of the 2016 AQMP, several sources of data form the basis for the projections of air pollutant emissions including: the *City of Newport Beach General Plan* (General Plan), SCAG's *Growth Management* Chapter of the *Regional Comprehensive Plan* (RCP), and SCAG's *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS). The RTP/SCS also provides socioeconomic forecast projections of regional population growth. The General Plan Land Use Map designates the project site as "Mixed Use Horizontal (MU-H2)". The MU-H2 designation applies to properties located in the Airport Area. It is intended to provide for the development of areas in a horizontally distributed mix of uses which may regional commercial office, multi-family residential, vertical mixed-use buildings, industrial, hotel rooms, and ancillary neighborhood commercial uses. The project site is zoned "Koll Center Newport Planned Community (PC-15 Koll Center)" and zoning regulations are provided in the Koll Center Planned Community Development Standards (PC Text) adopted by Ordinance No. 1449 and subsequently amended several times. Specifically, the project site is within Professional and Business Offices Site B of PC-15 Koll Center. PC-15 Koll Center includes all parcels bordered by Campus Drive to the northeast, Jamboree Road to the southeast, and MacArthur Boulevard to the southwest. PC-15 permits professional and business offices, hotels and motels, retail, restaurants and entertainment, a courthouse, private clubs, and auto detailing and service stations. Site B allows professional and business offices, restaurants, and support commercial uses.

The project proposes to construct a mixed-use infill residential and retail development with 260 residential condominiums, 3,000 sf of ground-floor retail uses, a 1.17-acre public park, a free-standing parking structure, and the reconfiguration of some of the existing surface parking areas. The proposed project is consistent with the MU-H2 land use designation for the project site and would implement the City's General Plan goals and policies for this portion of the Airport Area because it would integrate a mix of residential and neighborhood-serving retail uses, as well as a public park into an existing office business park, Koll Center Newport. No change to the existing General Plan land use designation is required as a part of the City's consideration of the proposed project.

Thus, the project is generally consistent with the types, intensity, and patterns of land use envisioned for the site vicinity in the RCP. The population, housing, and employment forecasts, which are adopted by SCAG's Regional Council, are based on the local plans and policies applicable to the cities; these are used by SCAG in all phases of implementation and review. Additionally, as SCAQMD incorporated these same projections into the 2016 AQMP, it can be concluded that the project would be consistent with the projections. As a result, the project would not exceed growth assumptions within the City's General Plan. Therefore, the project would be consistent with the 2016 AQMP and would not conflict with the second criterion.

Although the project is consistent with the land use designation presented in the City's General Plan and would not exceed the population or job growth projections used by the SCAQMD to develop the AQMP, the project construction would exceed NO_x thresholds in 2021 and result in a significant and unavoidable impact despite the implementation of mitigation (refer to the discussion under Construction-Generated Pollutant Emissions Resulting in Violation of Air Quality Standards or Contributing to Existing Violations Section). Due to exceedance of NO_x thresholds during the 54-month (4.5 year) construction period and the fact that NO_x is an ozone precursor (a nonattainment pollutant), the proposed project would potentially contribute to the exceedance of NO_x pollutant concentration standards. Therefore, project construction would potentially result in an increase in the frequency or severity of existing air quality violations or delay timely attainment of air quality standards. Impacts in this regard would be significant and unavoidable.

Construction-Generated Pollutant Emissions Resulting in Violation of Air Quality Standards or Contributing to Existing Violations

Regional Construction Significance Analysis

Construction associated with the proposed project would generate criteria air pollutant emissions. The criteria pollutants of primary concern within the project area include ozone-precursor pollutants (i.e., ROG and NO_x) and PM₁₀ and PM_{2.5}. Construction-generated emissions are relatively short-term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from demolition, site grading and excavation, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities as well as weather conditions and the appropriate application of water.

The duration of construction activities associated with the proposed project is estimated to last approximately 54 months. Approximately 2,366 tons of demolition material would be generated by the removal of 819 parking spaces. In addition, the project would require the net export of approximately 118,504 cubic yards of soil during the grading/site preparation phases. See [Appendix A](#) for more information regarding the construction assumptions, including construction equipment and duration, used in this analysis.

Construction-generated emissions associated the proposed project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. Predicted maximum daily construction-generated emissions for the proposed project are summarized in [Table 6, Construction-Related Emissions](#). As shown, all criteria pollutant emissions would remain below their

respective thresholds except for NO_x during 2021 due to the overlap of several sub-phases. NO_x emissions are primarily generated by engine combustion in construction equipment, haul trucks, and employee commuting, requiring the use of newer construction equipment with better emissions controls would reduce construction-related NO_x emissions. Therefore, Mitigation Measure AQ-1 would require the project to use diesel construction equipment that complies with Tier 3-level emissions standards during construction Phases 2 and 3 (years 2020-2022). Construction emissions with the implementation of Mitigation Measure AQ-1 is shown in [Table 7](#).

TABLE 6
UNMITIGATED CONSTRUCTION-RELATED EMISSIONS

Construction Year	Pollutant (pounds per day) ^{1, 2}					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO ₂)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
2018	5.22	47.13	35.14	0.14	8.02	2.73
2019	10.05	66.44	71.23	0.24	16.93	5.83
2020	9.17	74.02	66.72	0.24	16.66	5.57
2021	17.99	142.43	136.81	0.41	33.65	13.56
2022	9.83	79.08	76.81	0.27	26.03	9.67
Highest of all Years	17.99	142.43	136.81	0.41	33.65	13.56
SCAQMD Potentially Significant Impact Threshold	75	100	550	150	150	55
Exceed SCAQMD Threshold?	No	Yes	No	No	No	No
Notes:						
1. Emissions were calculated using CalEEMod, as recommended by the SCAQMD.						
2. Construction emission incorporate reductions/credits in CalEEMod that are required by the SCAQMD. The credits include the following: replace ground cover in disturbed areas quickly; water exposed surfaces two times daily; cover stock piles with tarps; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour.						

Source: CalEEMod version 2016.3.1. Notes: SCAQMD Rule 403 Fugitive Dust applied. Refer to [Appendix A](#) for Model Data Outputs.

It should be noted that Tier 4 certified equipment is generally available and would reduce short-term NO_x emissions and these standards apply to new equipment. However, construction fleets typically include a mix of older and newer equipment and other non-Tier 4 equipment are still permitted to operate. Mitigation requiring all construction equipment to meet Tier 4 standards is not considered feasible because it means that the entire construction fleet would need to consist of new (or newly retrofitted) equipment. Additionally, Tier 4 equipment may not be available for all types of equipment. No other feasible mitigation measures exist that would reduce these emissions to levels that are less than significant. Despite the implementation of Mitigation Measure AQ-1, construction exhaust emissions would remain significant and unavoidable.

Additionally, while PM₁₀ and PM_{2.5} emissions would not exceed thresholds, the proposed project would be subject to SCAQMD Rules 402, 403, and 1113, as set forth in Conflict with the 2016 Air Quality Management Plan, and Construction-Generated Pollutant Emissions Resulting in Violation of Air Quality Standards or Contributing to Existing Violations to further reduce specific construction-related emissions. Project emissions with the implementation of the applicable reduction measures required by SCAQMD Rules is shown in [Table 6](#) and [Table 7](#).

TABLE 7
MITIGATED CONSTRUCTION-RELATED EMISSIONS

Construction Year	Pollutant (pounds per day) ^{1, 2, 3}					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO ₂)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
2018	3.55	44.24	40.90	0.14	6.29	2.24
2019	7.62	60.08	71.99	0.24	13.31	4.75
2020	7.08	62.86	67.83	0.24	13.33	4.67
2021	11.17	118.47	145.25	0.41	23.64	10.03
2022	7.25	69.88	85.09	0.27	17.42	6.64
Highest of all Years	11.17	118.47	145.25	0.41	23.64	10.03
SCAQMD Potentially Significant Impact Threshold	75	100	550	150	150	55
Exceed SCAQMD Threshold?	No	Yes	No	No	No	No

Notes:

1. Emissions were calculated using CalEEMod, as recommended by the SCAQMD.
2. Construction emission incorporate reductions/credits in CalEEMod that are required by the SCAQMD. The credits include the following: replace ground cover in disturbed areas quickly; water exposed surfaces two times daily; cover stock piles with tarps; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour.
3. Mitigation includes the use of CARB certified Tier 3 engines.

Source: CalEEMod version 2016.3.1. Notes: SCAQMD Rule 403 Fugitive Dust applied. Refer to [Appendix A](#) for Model Data Outputs.

Localized Construction Significance Analysis

The nearest sensitive receptors to the project site are currently the apartments located 430 meters east of the project site. However, Uptown Newport Phase I is currently under construction and would likely be occupied during construction of the proposed project. Additionally, Phase 1 (Residential Building 1) of the proposed project would be occupied during construction of Phase 2 (Residential Building 2 and 3) and Phase 3 (public park and parking reconfiguration). These receptors would all be adjacent to the construction area. In order to identify impacts to sensitive receptors, the SCAQMD recommends addressing Localized Significance Thresholds (LSTs) for construction.

LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with project-specific level proposed projects.

For this project, the appropriate source receptor area (SRA) for the localized significance thresholds is the North Coastal Orange county area (SRA 18) since this area includes the project site. LSTs apply to CO, NO₂, PM₁₀, and PM_{2.5}. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size.

The SCAQMD's methodology clearly states that "off-site mobile emissions from the project should not be included in the emissions compared to LSTs." Therefore, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. In order to be conservative, LSTs for receptors located at 25 meters were used (according to the SCAQMD LST guidance, the 25 meter threshold should be used for receptors located 25 meters away or less). Table 8, *Localized Significance of Construction Emissions*, presents the results of localized emissions during construction activity. The LSTs reflect a maximum disturbance of 5 acres daily assumed for the proposed project. Using a 5-acre LST threshold is conservative as it discounts the dispersion factor inherent with a bigger site. The table shows that the emissions of these pollutants on the peak day of construction would exceed PM₁₀ and PM_{2.5} thresholds despite compliance with SCAQMD Rule 403 fugitive dust control measures. These impacts are due to the intensity of construction work and the timing and overlap of the construction phases. No additional mitigation measures are available to further reduce emissions. Therefore, localized impacts would be significant and unavoidable during Phase 2 and Phase 3 construction activities.

TABLE 8
LOCALIZED SIGNIFICANCE OF CONSTRUCTION EMISSIONS

Activity	Pollutant (pounds per day)			
	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Fine Particulate Matter (PM ₁₀)	Coarse Particulate Matter (PM _{2.5})
Sequential Phases				
Phase A: Site Clearing/ Excavation (2018)	10.59	14.90	0.85	0.71
Phase A: Concrete and Rough/ Finish (2018)	17.73	20.88	0.84	0.84
Phase A: Landscaping (2018)	9.79	11.79	0.49	0.49
Phase 1: Site Demolition/ Clearing (2018)	10.59	14.90	1.43	0.80
Phase 1: Shoring (2018)	16.90	15.54	1.00	0.81
Phase 1: Excavation (2018)	9.11	13.50	0.53	0.53
Phase 1: Excavation (2019)	9.11	13.50	0.53	0.53
Phase 1: Foundation (2019)	17.84	21.90	1.13	1.13
Phase 1: Structural Concrete, Rough Interior Fit Out, and Interior Finish Fit Out (2019)	18.68	22.64	1.18	1.18
Phase 1: Structural Concrete, Rough Interior Fit Out, and Interior Finish Fit Out (2020)	18.68	22.64	1.18	1.18
Phase 1: Landscaping (2020)	9.79	11.79	0.49	0.49
Phase 2: Site Demolition/ Clearing (2020)	21.18	29.81	1.96	1.47
Phase 2: Shoring (2020)	27.59	30.52	1.44	1.30
Phase 2: Excavation (2020)	19.10	28.18	1.12	1.12
Phase 2: Foundation (2020)	35.69	43.79	2.26	2.26
Phase 2: Foundation (2021)	35.69	43.79	2.26	2.26
<i>SCAQMD Localized Screening Threshold (5 acres of disturbance at 25 meters)</i>	<i>197</i>	<i>1,711</i>	<i>14</i>	<i>9</i>
Significant?	No	No	No	No

TABLE 8 (CONTINUED)
LOCALIZED SIGNIFICANCE OF CONSTRUCTION EMISSIONS

Activity	Pollutant (pounds per day)			
	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Fine Particulate Matter (PM ₁₀)	Coarse Particulate Matter (PM _{2.5})
Overlapping Phases ³				
Phase 2: Structural Concrete, Rough Interior Fit Out (2021)	38.01	46.89	2.38	2.38
Phase 3: Site Demolition/ Clearing (2021)	18.31	24.67	1.21	0.92
Phase 3: Grading (2021)	34.07	42.24	5.29	3.12
Phase 2: Rough Interior Fit Out and Interior Finish Fit Out (2022)	2.32	3.10	0.12	0.12
Phase 2: Landscaping (2022)	19.59	23.58	0.97	0.97
Phase 3: Grading (2022)	34.07	42.24	5.29	3.12
Phase 3: Reconfigure Parking Lot (2022)	7.00	10.48	0.40	0.40
Total Overlapping Phases	153.37	193.20	15.66	11.03
<i>SCAQMD Localized Screening Threshold (5 acres of disturbance at 25 meters)</i>	<i>197</i>	<i>1,711</i>	<i>14</i>	<i>9</i>
Significant?	No	No	Yes	Yes
Notes: 1. Emissions are on-site only and do not include emissions associated with hauling, deliveries, or worker trips. 2. Construction emission incorporate fugitive dust reductions/credits in CalEEMod that are required by the SCAQMD. The credits include the following: replace ground cover in disturbed areas quickly; water exposed surfaces two times daily; cover stock piles with tarps; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. 3. Later Phase 2 construction activities would overlap (i.e., occur simultaneously) with each other as well as with Phase 3 activities. The emissions from these individual activities are combined, as they could potentially occur on-site at the same time.				

Source: CalEEMod version 2016.3.1. Refer to [Appendix A](#) for Model Data Outputs.

Operational Emissions of Air Pollutants Resulting in Violation of Air Quality Standards or Contributing to Existing Violations

Regional Operational Significance Analysis

Project-generated emissions would be associated with mobile source emissions from motor vehicle use, energy emissions from energy consumption, and area sources generated by the use of natural-gas-fired appliances, landscape maintenance equipment, consumer products, and architectural coatings. Operational emissions attributable to the proposed project are summarized in [Table 9, *Operational Emissions – Maximum Pounds per Day*](#).

**TABLE 9
OPERATIONAL EMISSIONS**

Source	Pollutant (pounds per day)					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO ₂)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
Summer Emissions						
• Area	6.89	4.13	23.19	0.03	0.43	0.43
• Energy	0.09	0.77	0.33	0.00	0.06	0.06
• Mobile	1.66	6.41	20.69	0.08	7.20	1.96
<i>Total Summer Emissions</i>	<i>8.64</i>	<i>11.31</i>	<i>44.21</i>	<i>0.11</i>	<i>7.69</i>	<i>2.45</i>
Winter Emissions						
• Area	6.89	4.13	23.19	0.03	0.43	0.43
• Energy	0.09	0.77	0.33	0.00	0.06	0.06
• Mobile	1.63	6.57	19.90	0.08	7.20	1.96
<i>Total Winter Emissions</i>	<i>8.61</i>	<i>11.47</i>	<i>43.42</i>	<i>0.11</i>	<i>7.69</i>	<i>2.45</i>
SCAQMD Threshold	55	55	550	150	150	55
Exceed SCAQMD Threshold?	No	No	No	No	No	No
Note: emissions rates differ from summer to winter because weather factors are dependent on the season, and these factors affect pollutant mixing/dispersion, ozone formation, etc.						

Source: CalEEMod version 2016.3.1. Refer to [Appendix A](#) for Model Data Outputs.

Mobile Source Emissions

Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO_x, SO_x, PM₁₀, and PM_{2.5} are all pollutants of regional concern (NO_x and ROG react with sunlight to form O₃ [photochemical smog], and wind currents readily transport SO_x, PM₁₀, and PM_{2.5}). However, CO tends to be a localized pollutant, dispersing rapidly at the source.

Project-generated vehicle emissions have been estimated using CalEEMod. This model predicts ROG, NO_x, PM₁₀, and PM_{2.5} emissions from motor vehicle traffic associated with new or modified land uses; refer to [Appendix A, CalEEMod Output Files](#). According to the *Traffic Impact Study*, the proposed project would generate 1,207 daily trips at buildout. Mobile source emissions are identified in [Table 9](#).

Area Source Emissions

Area source emissions would be generated due to an increased demand for consumer products, architectural coating, and landscaping. The proposed project would not include wood burning fireplaces or other devices per SCAQMD Rule 445 (Wood Burning Devices). As shown in [Table 9](#),

area source emissions from the proposed project would not exceed SCAQMD thresholds for ROG, NO_x, CO, SO_x, PM₁₀, or PM_{2.5} with compliance with Rule 445.

Energy Source Emissions

Energy source emissions would be generated as a result of electricity and natural gas (non-hearth) usage associated with the proposed project. The primary use of electricity and natural gas by the project would be for space heating and cooling, water heating, ventilation, lighting, appliances, and electronics. As shown in Table 9, mitigated energy source emissions from the proposed project would not exceed SCAQMD thresholds for ROG, NO_x, CO, SO_x, PM₁₀, or PM_{2.5}.

Conclusion

As shown in Table 9, the project's net emissions would not exceed SCAQMD thresholds for any criteria air pollutants. (Note that emissions rates differ from summer to winter. This is because weather factors are dependent on the season, and these factors affect pollutant mixing/dispersion, ozone formation, etc.) Therefore, regional operations emissions would result in a less than significant regional air quality impact.

Localized Operational Significance Analysis

According to the SCAQMD localized significance threshold methodology, LSTs would apply to the operational phase of a proposed project only if the project includes stationary sources or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., warehouse or transfer facilities). The proposed project does not include such uses. Therefore, in the case of the proposed project, the operational phase LST protocol does not need to be applied.

Exposure of Sensitive Receptors to Substantial Pollutant Concentrations

The proposed project could expose sensitive receptors to elevated pollutant concentrations during construction activities if it would cause or contribute significantly to elevated levels. Unlike the mass of construction emissions shown in the regional emissions analysis in Tables 6 through Table 9, described in pounds per day, localized concentrations refer to an amount of pollutant in a volume of air (ppm or µg/m³) and can be correlated to potential health effects. Exposure to pollutant concentrations in exceedance of the NAAQS or CAAQS are generally considered substantial.

Carbon Monoxide Hotspots

An analysis of CO "hot spots" is needed to determine whether the change in the level of service (LOS) of an intersection as a result of the proposed project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined.

Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard. An analysis prepared for CO attainment in the SoCAB by the South Coast Air Quality Management District (SCAQMD) can assist in evaluating the

potential for CO exceedances. CO attainment was thoroughly analyzed as part of the SCAQMD's *2003 Air Quality Management Plan* (2003 AQMP). The 2003 AQMP is the most recent AQMP that addresses CO concentrations. It should be noted that the SoCAB was re-designated as attainment/maintenance in 2007, and is no longer addressed in SCAQMD's subsequent AQMPs. As part of the SCAQMD CO Hotspot analysis, the Wilshire Boulevard/Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 parts per million (ppm), which is well below the 35-ppm Federal standard. The proposed project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's 2003 CO hot-spot analysis. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections as a result of 1,207 additional vehicle trips attributable to the project (Kimley-Horn 2017).

Additionally, the SCAQMD requires a quantified assessment of CO hotspots when a project increases the volume-to-capacity ratio (also called the intersection capacity utilization) by 0.02 (two percent) for any intersection with an existing level of service LOS D or worse. Because traffic congestion is highest at intersections where vehicles queue and are subject to reduced speeds, these hot spots are typically produced at intersections. As indicated in the project *Traffic Impact Study*, implementation of the project would not result in an increase in delay of 0.02 for any of the study intersections during both the Existing Plus Project Scenario and the Year 2022 With Project scenario. Therefore, impacts would be less than significant in this regard.

Diesel Particulate Matter

Construction would result in the generation of diesel particulate matter (diesel PM) emissions from the use of off-road diesel equipment required for grading and excavation, paving, and other construction activities. The amount to which the receptors are exposed (a function of concentration and duration of exposure) is the primary factor used to determine health risk (i.e., potential exposure to toxic air contaminant [TAC] emission levels that exceed applicable standards). Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer.

The use of diesel-powered construction equipment would be temporary and episodic. The duration of exposure would be short and exhaust from construction equipment dissipates rapidly. Current models and methodologies for conducting health risk assessments are associated with longer-term exposure periods of 9, 30, and 70 years, which do not correlate well with the temporary and highly variable nature of construction activities. Furthermore, construction would be subject to and would comply with California regulations limiting the idling of heavy-duty construction equipment to no more than 5 minutes, which would further reduce nearby sensitive receptors' exposure to temporary and variable diesel PM emissions.

Impacts from John Wayne Airport

Additionally, the project site is located approximately 2,500 feet south east of the John Wayne Airport, which is a potential source of TACs. A health risk assessment was conducted for the airport as part of the 2014 *John Wayne Airport Settlement Agreement Amendment Environmental Impact Report* (2014 John Wayne Airport EIR). The 2014 John Wayne Airport EIR analyzed health risk impacts from airport operations to surrounding areas including the project site. The health risk assessment from the 2014 John Wayne Airport EIR determined that cancer risks to all receptors (including the proposed project) would be less than four in one million and would not exceed the

SCAQMD significance threshold of greater than or equal to ten in one million¹. Additionally, the chronic non-cancer hazard index and the acute non-cancer impacts would also be less than significant². Therefore, implementation of the proposed project would not expose sensitive receptors from substantial pollutant concentrations from the John Wayne Airport.

Create Objectionable Odors Affecting a Substantial Number of People

The SCAQMD *CEQA Air Quality Handbook* (1993) identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The proposed project would not include any of the land uses that have been identified by the SCAQMD as odor sources. Therefore, there would be no impacts from the proposed project.

During project operations, the only potential for odor generation is from temporary refuse storage. However, solid waste collection requirements in the City of Newport Beach require all refuse containers to be covered with a lid, which prevents odor from escaping, flies or insects, the contents from leaving the interior of the container, and rain or water from entering the interior of the container. It is expected that project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations. The project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. The project would be required to comply with Municipal Code Section 20.30.120 (Solid Waste and Recyclable Materials Storage), which mandates that all multi-unit projects with five or more dwelling units "...provide enclosed refuse and recyclable material storage areas with solid roofs."³ The project Applicant proposes a trash room on Level on of each of the buildings. Trash rooms would minimize impacts to residents within their living units. The potential for objectionable odors to emanate from the project's refuse containers would be very slight and no different than the potential for refuse-related odors from other residential land uses in the City of Newport Beach. Therefore, impacts associated with odors from project operation would be less than significant.

2.4 CUMULATIVE SETTING, IMPACTS, AND MITIGATION MEASURES

CUMULATIVE SETTING

The cumulative setting for air quality includes Newport Beach and the SoCAB. The SoCAB is designated as a nonattainment area for state standards of ozone and PM_{2.5}. The SoCAB is designated as a nonattainment area for federal standards of ozone, PM₁₀, and PM_{2.5}. The SoCAB is designated as being unclassified and/or attainment for all other pollutants. Cumulative growth in population and vehicle use could inhibit efforts to improve regional air quality and attain the ambient air quality standards.

¹ County of Orange, *John Wayne Airport Settlement Agreement Amendment Environmental Impact Report* (pages 4.1-61 through 4.1-64), May 2014.

² Ibid.

³ City of Newport Beach, *Municipal Code Section 20.30.120 (Solid Waste and Recyclable Materials Storage)*, <http://www.codepublishing.com/CA/NewportBeach/>, accessed July 21, 2017.

CUMULATIVE IMPACTS AND MITIGATION MEASURES

Result in a Cumulatively Considerable Net Increase in Nonattainment Criteria Pollutant

A significant impact to air quality would occur if a project would result in a cumulative considerable net increase of any criteria pollutant for which the region is nonattainment under applicable national or State ambient air quality standards. To determine whether a project would result in a cumulatively considerable increase in nonattainment criteria pollutants or exceed the quantitative thresholds for ozone precursors, project emissions may be evaluated based on the quantitative emission thresholds established by the SCAQMD in its CEQA Air Quality Handbook (SCAQMD 1993, as amended). The SCAQMD has established quantitative thresholds against which a project's emissions could be evaluated to determine if there is a potential for a significant impact. The SCAQMD's approach to 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 California Clean Air Acts. As such, the analysis of cumulative impacts focuses on determining whether the proposed project is consistent with the growth assumptions upon which the SCAQMD's AQMP is based. If the project is consistent with the growth assumptions, then future development would not impede the attainment of NAAQS and a significant cumulative air quality impact would not occur.

With respect to the proposed project's construction-related air quality emissions and cumulative basin-wide conditions, the SCAQMD has developed strategies to reduce criteria pollutant emissions outlined in the 2016 AQMP pursuant to Federal Clean Air Act mandates. As such, the proposed project would comply with SCAQMD Rule 403 requirements. In addition, the project would comply with adopted 2016 AQMP emissions control measures. Per SCAQMD rules and mandates, as well as the CEQA requirement that significant impacts be mitigated to the extent feasible, these same requirements (i.e., Rule 403 compliance, the implementation of all feasible mitigation measures, and compliance with adopted AQMP emissions control measures) would also be imposed on construction projects throughout the air basin, which would include related projects. However, as the proposed project would exceed SCAQMD construction NO_x thresholds despite the implementation of Mitigation Measure AQ-1, it would be cumulatively considerable.

The proposed project would not result in operational air quality impacts because emissions would not exceed the SCAQMD-adopted operational thresholds and the project's contribution is not a significant proportion of the cumulative total emissions. Because the operational emissions calculated for the proposed project do not exceed the applicable SCAQMD daily significance thresholds that are designed to assist the region in attaining the applicable ambient air quality standards, the project would not contribute a cumulatively considerable net increase of any nonattainment criteria pollutant. Cumulative projects would be required to reduce their emissions per SCAQMD rules and mandates, cumulative emissions would not contribute to an exceedance of the federal or California ambient air quality standards and would, therefore, comply with the goals of the 2016 AQMP. Therefore, it can be reasonably inferred that the project-related emissions, in combination with those from other projects in the area, would not deteriorate the local air quality and would not result in cumulative construction-related impacts. Therefore, the project's contribution to regional pollutant concentrations would not be cumulatively considerable.

As previously addressed, the proposed project would exceed SCAQMD construction NO_x thresholds. However, the project would not result in significant operational air quality impacts including nonattainment criteria pollutants. Due to the exceedance of the construction NO_x thresholds, the proposed project would potentially conflict with the 2016 AQMP, which is intended

to bring the air basin into attainment for all criteria pollutants. Therefore, the project's contribution to regional pollutant concentrations would be cumulatively considerable.

2.5 MITIGATION PROGRAM

PROJECT DESIGN FEATURES

PDF 1 *Building Design.* The Applicant will pursue a Leadership in Energy and Environmental Design (LEED) Silver Certification for the project. Project features may include the following.

- Bicycle storage and maintenance facility
- Electric vehicle charging stations
- Indoor water use reduction
- Optimized energy performance
- Low emitting materials
- Day lighting
- Enhanced indoor air quality features
- Earth day functions for residents

STANDARD CONDITIONS AND REQUIREMENTS

SC AQ-1 *Dust Control.* During construction, the Project Developer shall require all construction contractors to comply with South Coast Air Quality Management District's (SCAQMD's) Rules 402 and 403 in order to minimize construction emissions of dust and particulates. SCAQMD Rule 402 requires that air pollutant emissions not be a nuisance off site. Rule 402 prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

SCAQMD Rule 403 requires that fugitive dust be controlled with Best Available Control Measures so that the presence of such dust does not remain visible beyond the property line of the emission source. This rule is intended to reduce PM₁₀ emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. This requirement shall be included as notes on the contractor specifications. Table 1 of Rule 403 lists the Best Available Control Measures that are applicable to all construction projects. The measures include, but are not limited to, the following:

- a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
- b) All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.

- c) All material transported off site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
- d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
- e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.

SC AQ-2 Architectural Coatings – South Coast Air Quality Management District (SCQMDD) Rule 1113 requires manufacturers, distributors, and end-users of architectural and industrial maintenance coatings to reduce reactive organic gas (ROG) emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories. Architectural coatings shall be selected so that the volatile organic compound (VOC) content of the coatings is compliant with SCAQMD Rule 1113. This requirement shall be included as notes on contractor specifications.

The following standard condition is included in the project analysis of climate change but would also reduce criteria pollutant emissions.

SC GHG-1 Energy Efficiency Standards. The project shall be built in accordance with the current California Building Energy Efficiency Standards for residential and nonresidential in effect at the time of building permit application submittal to the City of Newport Beach.

Mitigation Measures

- MM AQ-1 Prior to the issuance of each Grading Permit, the construction contractor shall provide evidence to the City Engineer that the following measures will be implemented during construction:
- Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow.
 - Provide dedicated turn lanes for movement of construction trucks and equipment on- and off-site.
 - Improve traffic flow by signal synchronization, and ensure that all vehicles and equipment will be properly tuned and maintained according to manufacturers' specifications.
 - Require the use of electricity from power poles rather than temporary diesel or gasoline powered generators, as feasible.
 - Require the use of 2010 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export) and if the lead agency determines that 2010 model year or newer diesel trucks cannot be obtained the lead agency shall use trucks that meet EPA 2007 model year NO_x emissions requirements.
 - During project construction, all internal combustion engines/construction, equipment operating on the project site shall meet EPA-Certified Tier 4 emissions standards, or higher according to the following:

- o All off-road diesel-powered construction equipment greater than 50 horsepower shall meet Tier 3 off-road emissions standards. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.
- o A copy of each unit's certified tier specification, BACT documentation, and CARB or SCAQMD operating permit shall be provided at the time of mobilization of each applicable unit of equipment.

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3.0 REFERENCES

3.0 REFERENCES

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- City of Newport Beach, *Municipal Code Section 20.30.120 (Solid Waste and Recyclable Materials Storage)*, <http://www.codepublishing.com/CA/NewportBeach/>, accessed July 21, 2017.
- County of Orange, *John Wayne Airport Settlement Agreement Amendment Environmental Impact Report* (pages 4.1-61 through 4.1-64), May 2014.
- Kimley-Horn and Associates, Inc. 2017. *Traffic Impact Study: Koll Center Residences Project*.
- SCAQMD (South Coast Air Quality Management District). 1993. *CEQA Air Quality Handbook*.
- . 2009. *Localized Significance Threshold Appendix C – Mass Rate LST Look-Up Tables*. Revised October 21, 2009. <http://www.aqmd.gov/ceqa/handbook/LST/LST.html>.

APPENDICES

APPENDIX A: CALEEMOD OUTPUT FILES

Koll Center Residences - Orange County, Summer

Koll Center Residences
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	490.00	Space	4.41	196,000.00	0
Parking Lot	119.00	Space	1.07	47,600.00	0
City Park	1.00	Acre	1.19	43,560.00	0
Condo/Townhouse High Rise	260.00	Dwelling Unit	3.41	260,000.00	744
Strip Mall	3.00	1000sqft	0.06	3,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Data provided from project.
- Land Use - Acreage adjusted per Project Applicant.
- Construction Phase - Adjusted per Project Applicant.
- Off-road Equipment -
- Off-road Equipment - Adjusted per Project Applicant.
- Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

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Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Paving Equipment

Off-road Equipment -

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Trips and VMT - Vendor trips account for crew and foreman trucks. Soil export to span duration of Phases A, 1, and 2

Demolition -

Grading - Construction export included in project description.

Vehicle Trips - Adjusted per Traffic Report.

Woodstoves - No wood burning devices per Rule 445.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive Dust mitigation per Rule 403.

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Off-road Equipment - Equipment.

Architectural Coating -

Area Coating - Adjusted to match parking area.

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14616	25824
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	94.00
tblConstructionPhase	NumDays	300.00	219.00
tblConstructionPhase	NumDays	300.00	219.00
tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	300.00	21.00
tblConstructionPhase	NumDays	300.00	43.00
tblConstructionPhase	NumDays	300.00	44.00
tblConstructionPhase	NumDays	300.00	218.00
tblConstructionPhase	NumDays	300.00	217.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	30.00	94.00
tblConstructionPhase	NumDays	300.00	130.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	300.00	44.00
tblConstructionPhase	NumDays	300.00	41.00
tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	30.00	12.00

tblConstructionPhase	NumDays	30.00	152.00
tblConstructionPhase	NumDays	30.00	11.00
tblConstructionPhase	PhaseEndDate	4/15/2026	7/5/2022
tblConstructionPhase	PhaseEndDate	6/8/2021	4/30/2020
tblConstructionPhase	PhaseEndDate	4/11/2022	7/31/2020
tblConstructionPhase	PhaseEndDate	4/11/2023	12/6/2021
tblConstructionPhase	PhaseEndDate	5/10/2023	8/31/2020
tblConstructionPhase	PhaseEndDate	7/10/2023	12/1/2020
tblConstructionPhase	PhaseEndDate	9/8/2023	2/1/2021
tblConstructionPhase	PhaseEndDate	7/10/2024	3/2/2022
tblConstructionPhase	PhaseEndDate	5/9/2025	6/2/2022
tblConstructionPhase	PhaseEndDate	6/11/2025	7/5/2022
tblConstructionPhase	PhaseEndDate	11/12/2025	2/23/2022
tblConstructionPhase	PhaseEndDate	5/3/2019	9/30/2018
tblConstructionPhase	PhaseEndDate	6/5/2019	10/31/2018
tblConstructionPhase	PhaseEndDate	8/6/2019	1/31/2019
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tblConstructionPhase	PhaseEndDate	8/5/2020	1/31/2020
tblConstructionPhase	PhaseEndDate	3/2/2018	9/15/2020
tblConstructionPhase	PhaseEndDate	3/2/2018	10/14/2021
tblConstructionPhase	PhaseEndDate	2/15/2018	11/15/2018
tblConstructionPhase	PhaseEndDate	11/2/2018	10/1/2020
tblConstructionPhase	PhaseEndDate	10/2/2018	8/31/2018
tblConstructionPhase	PhaseEndDate	10/17/2018	11/30/2018
tblConstructionPhase	PhaseStartDate	11/13/2025	2/24/2022
tblConstructionPhase	PhaseStartDate	8/6/2020	7/1/2019
tblConstructionPhase	PhaseStartDate	6/9/2021	10/1/2019
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tblConstructionPhase	PhaseStartDate	5/11/2023	10/2/2020

tblConstructionPhase	PhaseStartDate	7/11/2023	12/2/2020
tblConstructionPhase	PhaseStartDate	9/9/2023	5/2/2021
tblConstructionPhase	PhaseStartDate	7/11/2024	8/4/2021
tblConstructionPhase	PhaseStartDate	5/10/2025	6/3/2022
tblConstructionPhase	PhaseStartDate	6/12/2025	10/15/2021
tblConstructionPhase	PhaseStartDate	11/3/2018	4/1/2018
tblConstructionPhase	PhaseStartDate	5/4/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	6/6/2019	12/1/2018
tblConstructionPhase	PhaseStartDate	8/7/2019	2/1/2019
tblConstructionPhase	PhaseStartDate	10/3/2019	4/1/2019
tblConstructionPhase	PhaseStartDate	2/16/2018	9/1/2020
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tblFireplaces	NumberGas	221.00	234.00
tblFireplaces	NumberWood	13.00	0.00
tblGrading	MaterialExported	0.00	42,414.00
tblGrading	MaterialExported	0.00	24,139.00
tblGrading	MaterialExported	0.00	52,000.00
tblLandUse	LotAcreage	1.00	1.19
tblLandUse	LotAcreage	4.06	3.41
tblLandUse	LotAcreage	0.07	0.06
tblOffRoadEquipment	HorsePower	46.00	78.00
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tblOffRoadEquipment	HorsePower	172.00	49.00

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tblOffRoadEquipment	HorsePower	172.00	49.00
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tblOffRoadEquipment	LoadFactor	0.38	0.38
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tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblTripsAndVMT	HaulingTripNumber	0.00	570.00
tblTripsAndVMT	HaulingTripNumber	5,302.00	530.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,386.00

tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	25.00	387.00
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tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	4.18
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tblVehicleTrips	SU_TR	20.43	44.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	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
Year	lb/day										lb/day					
2018	4.9708	46.7170	35.8117	0.1420	7.1298	1.2667	8.0209	1.8972	1.2070	2.7236	0.0000	14,991.8865	14,991.8865	1.5363	0.0000	15,030.2947
2019	9.3851	66.0841	73.3169	0.2526	15.1114	1.8108	16.9222	4.0558	1.7661	5.8219	0.0000	25,707.1691	25,707.1691	1.5390	0.0000	25,745.6427

2020	8.5436	73.7475	68.7149	0.2477	15.1113	2.6443	16.6589	4.0558	2.6019	5.5651	0.0000	25,212.07 37	25,212.073 7	1.9892	0.0000	25,248.16 34
2021	17.1830	142.0607	139.2715	0.4262	28.8898	4.7517	33.6414	9.0237	4.5288	13.5525	0.0000	42,760.62 44	42,760.624 4	4.2340	0.0000	42,866.47 45
2022	9.2412	78.8450	78.5323	0.2779	23.8867	2.1376	26.0243	7.6816	1.9805	9.6622	0.0000	28,286.81 35	28,286.813 5	3.1116	0.0000	28,364.60 25
Maximum	17.1830	142.0607	139.2715	0.4262	28.8898	4.7517	33.6414	9.0237	4.5288	13.5525	0.0000	42,760.62 44	42,760.624 4	4.2340	0.0000	42,866.47 45

Mitigated Construction

	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
Year	lb/day										lb/day					
2018	4.9708	46.7170	35.8117	0.1420	5.5463	1.2667	6.4374	1.5085	1.2070	2.3947	0.0000	14,991.88 65	14,991.886 5	1.5363	0.0000	15,030.29 47
2019	9.3851	66.0841	73.3169	0.2526	11.7819	1.8108	13.5927	3.2385	1.7661	5.0046	0.0000	25,707.16 91	25,707.169 1	1.5390	0.0000	25,745.64 27
2020	8.5436	73.7475	68.7149	0.2477	11.7818	2.6443	13.3295	3.2385	2.6019	4.7478	0.0000	25,212.07 37	25,212.073 7	1.9892	0.0000	25,248.16 34
2021	17.1830	142.0607	139.2715	0.4262	19.4724	4.7517	24.2240	5.8720	4.5288	10.4008	0.0000	42,760.62 44	42,760.624 4	4.2340	0.0000	42,866.47 45
2022	9.2412	78.8450	78.5323	0.2779	15.5728	2.1376	17.7104	4.8007	1.9805	6.7813	0.0000	28,286.81 35	28,286.813 5	3.1116	0.0000	28,364.60 25
Maximum	17.1830	142.0607	139.2715	0.4262	19.4724	4.7517	24.2240	5.8720	4.5288	10.4008	0.0000	42,760.62 44	42,760.624 4	4.2340	0.0000	42,866.47 45

	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	28.82	0.00	25.65	30.16	0.00	21.42	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Phase A: Site Clearing/ Excavation	Demolition	1/1/2018	1/31/2018	5	23
2	Phase A: Concrete	Grading	2/1/2018	8/31/2018	5	152
3	Phase A: Rough/ Finish	Building Construction	4/1/2018	9/30/2018	5	130
4	Phase A: Landscaping/ TCO/ Punchlist	Building Construction	10/1/2018	10/31/2018	5	23
5	Phase 1: Site Demolition/ Clearing	Demolition	11/1/2018	11/15/2018	5	11
6	Phase 1: Shoring	Grading	11/16/2018	11/30/2018	5	11
7	Phase 1: Excavation	Building Construction	12/1/2018	1/31/2019	5	44
8	Phase 1: Foundation	Building Construction	2/1/2019	3/31/2019	5	41
9	Phase 1: Structural Concrete	Building Construction	4/1/2019	1/31/2020	5	220
10	Phase 1: Rough Interior Fit Out	Building Construction	7/1/2019	4/30/2020	5	219
11	Phase 1: Interior Finish Fit Out	Building Construction	10/1/2019	7/31/2020	5	219
12	Phase 1: Landscaping/ TCO/ Punchlist	Building Construction	8/1/2020	8/31/2020	5	21
13	Phase 2: Site Demolition/ Clearing	Demolition	9/1/2020	9/15/2020	5	11
14	Phase 2: Shoring	Grading	9/16/2020	10/1/2020	5	12
15	Phase 2: Excavation	Building Construction	10/2/2020	12/1/2020	5	43
16	Phase 2: Foundation	Building Construction	12/2/2020	2/1/2021	5	44
17	Phase 2: Structural Concrete	Building Construction	2/2/2021	12/6/2021	5	220
18	Phase 2: Rough Interior Fit Out	Building Construction	5/2/2021	3/2/2022	5	218
19	Phase 2: Interior Finish Fit Out	Building Construction	8/4/2021	6/2/2022	5	217
20	Phase 3: Site Demolition/ Clearing	Demolition	10/1/2021	10/14/2021	5	10
21	Phase 3: Grading	Grading	10/15/2021	2/23/2022	5	94
22	Phase 3: Reconfigure Parking Lot	Paving	2/24/2022	7/5/2022	5	94
23	Phase 2: Landscaping/ TCO/ Punchlist	Building Construction	6/3/2022	7/5/2022	5	23

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.48

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase A: Site Clearing/ Excavation	Air Compressors	1	8.00	78	0.48
Phase A: Site Clearing/ Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Phase A: Site Clearing/ Excavation	Excavators	1	8.00	158	0.38
Phase A: Site Clearing/ Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Site Clearing/ Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1: Site Demolition/ Clearing	Air Compressors	1	8.00	78	0.48
Phase 1: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1: Site Demolition/ Clearing	Excavators	1	8.00	158	0.38
Phase 1: Site Demolition/ Clearing	Pavers	0	8.00	130	0.42
Phase 1: Site Demolition/ Clearing	Paving Equipment	0	8.00	132	0.36
Phase 1: Site Demolition/ Clearing	Rollers	0	8.00	80	0.38
Phase 1: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Site Demolition/ Clearing	Air Compressors	2	8.00	78	0.48
Phase 2: Site Demolition/ Clearing	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 2: Site Demolition/ Clearing	Excavators	2	8.00	158	0.38
Phase 2: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 3: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 3: Site Demolition/ Clearing	Excavators	3	8.00	158	0.38
Phase 3: Site Demolition/ Clearing	Rubber Tired Dozers	2	8.00	247	0.40
Phase A: Concrete	Air Compressors	1	8.00	78	0.48
Phase A: Concrete	Excavators	0	8.00	158	0.38
Phase A: Concrete	Generator Sets	1	8.00	84	0.74
Phase A: Concrete	Graders	0	8.00	187	0.41
Phase A: Concrete	Off-Highway Trucks	2	8.00	402	0.38
Phase A: Concrete	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Concrete	Scrapers	0	8.00	367	0.48
Phase A: Concrete	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Phase 1: Shoring	Air Compressors	0	6.00	78	0.48
Phase 1: Shoring	Bore/Drill Rigs	2	8.00	221	0.50
Phase 1: Shoring	Cranes	1	8.00	231	0.29
Phase 1: Shoring	Excavators	0	8.00	158	0.38
Phase 1: Shoring	Graders	0	8.00	187	0.41
Phase 1: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Shoring	Scrapers	0	8.00	367	0.48
Phase 1: Shoring	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Shoring	Welders	2	8.00	46	0.45
Phase 2: Shoring	Bore/Drill Rigs	3	8.00	221	0.50
Phase 2: Shoring	Cranes	2	8.00	231	0.29
Phase 2: Shoring	Excavators	0	8.00	158	0.38
Phase 2: Shoring	Graders	0	8.00	187	0.41
Phase 2: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Shoring	Scrapers	0	8.00	367	0.48
Phase 2: Shoring	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Shoring	Welders	3	8.00	46	0.45
Phase A: Rough/ Finish	Cranes	0	7.00	231	0.29
Phase A: Rough/ Finish	Excavators	0	8.00	158	0.38
Phase A: Rough/ Finish	Forklifts	0	8.00	89	0.20
Phase A: Rough/ Finish	Generator Sets	0	8.00	84	0.74
Phase A: Rough/ Finish	Graders	0	8.00	187	0.41
Phase A: Rough/ Finish	Other Construction Equipment	1	2.00	49	0.42
Phase A: Rough/ Finish	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Rough/ Finish	Scrapers	0	8.00	367	0.48
Phase A: Rough/ Finish	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Phase A: Rough/ Finish	Welders	0	8.00	46	0.45
Phase A: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase A: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase A: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20

Phase A: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase A: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase A: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase A: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45
Phase 1: Excavation	Cranes	0	7.00	231	0.29
Phase 1: Excavation	Excavators	2	8.00	158	0.38
Phase 1: Excavation	Forklifts	0	8.00	89	0.20
Phase 1: Excavation	Generator Sets	0	8.00	84	0.74
Phase 1: Excavation	Skid Steer Loaders	1	8.00	65	0.37
Phase 1: Excavation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Phase 1: Excavation	Welders	0	8.00	46	0.45
Phase 1: Foundation	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Foundation	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Foundation	Cranes	1	8.00	231	0.29
Phase 1: Foundation	Forklifts	0	8.00	89	0.20
Phase 1: Foundation	Generator Sets	0	8.00	84	0.74
Phase 1: Foundation	Plate Compactors	2	8.00	8	0.43
Phase 1: Foundation	Pumps	2	8.00	84	0.74
Phase 1: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Foundation	Welders	2	8.00	46	0.45
Phase 1: Structural Concrete	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Structural Concrete	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Structural Concrete	Cranes	1	8.00	231	0.29
Phase 1: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 1: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 1: Structural Concrete	Pumps	2	8.00	84	0.74
Phase 1: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Structural Concrete	Welders	2	8.00	46	0.45
Phase 1: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20

Phase 1: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Rough Interior Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 1: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 1: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Interior Finish Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 1: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase 1: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 1: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 1: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 1: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase 1: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Landscaping/ TCO/ Punchlist	Welders	0	8.00	78	0.48
Phase 2: Excavation	Cranes	0	7.00	231	0.29
Phase 2: Excavation	Excavators	4	8.00	158	0.38
Phase 2: Excavation	Forklifts	0	8.00	89	0.20
Phase 2: Excavation	Generator Sets	0	8.00	84	0.74
Phase 2: Excavation	Skid Steer Loaders	2	8.00	65	0.37
Phase 2: Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2: Excavation	Welders	0	8.00	46	0.45
Phase 2: Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Foundation	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Foundation	Cranes	2	8.00	231	0.29
Phase 2: Foundation	Forklifts	0	8.00	89	0.20
Phase 2: Foundation	Generator Sets	0	8.00	84	0.74
Phase 2: Foundation	Plate Compactors	4	8.00	8	0.43

Phase 2: Foundation	Pumps	4	8.00	84	0.74
Phase 2: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Foundation	Welders	4	8.00	46	0.45
Phase 2: Structural Concrete	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Structural Concrete	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Structural Concrete	Cranes	2	8.00	231	0.29
Phase 2: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 2: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 2: Structural Concrete	Pumps	4	8.00	84	0.74
Phase 2: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Structural Concrete	Welders	4	8.00	46	0.45
Phase 2: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Rough Interior Fit Out	Other Construction Equipment	2	2.00	172	0.42
Phase 2: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 2: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Interior Finish Fit Out	Other Construction Equipment	2	2.00	49	0.42
Phase 2: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 2: Landscaping/ TCO/ Punchlist	Air Compressors	2	8.00	78	0.48
Phase 2: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 2: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 2: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 2: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	2	8.00	402	0.38
Phase 2: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45

Phase 3: Grading	Cranes	0	7.00	231	0.29
Phase 3: Grading	Forklifts	0	8.00	89	0.20
Phase 3: Grading	Generator Sets	1	8.00	84	0.74
Phase 3: Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3: Grading	Welders	0	8.00	46	0.45
Phase 3: Reconfigure Parking Lot	Air Compressors	1	6.00	78	0.48
Phase 3: Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 3: Reconfigure Parking Lot	Pavers	1	8.00	130	0.42
Phase 3: Reconfigure Parking Lot	Rollers	1	8.00	80	0.38
Phase 3: Reconfigure Parking Lot	Paving Equipment	1	8.00	132	0.36
Phase 3: Grading	Excavators	2	8.00	158	0.38
Phase 3: Grading	Graders	1	8.00	187	0.41
Phase 3: Grading	Scrapers	2	8.00	367	0.48

Trips and VMT

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
Phase A: Site Clearing/ Excavation	5	13.00	0.00	39.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Site Demolition/ Clearing	5	13.00	1.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Site Demolition/ Clearing	10	25.00	2.00	69.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Site Demolition/ Clearing	6	15.00	0.00	38.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Concrete	4	10.00	1.00	3,017.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Shoring	6	15.00	1.00	650.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Shoring	10	25.00	3.00	530.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Rough/ Finish	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Landscaping/ TCO/ Punchlist	3	387.00	107.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Excavation	5	387.00	107.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Foundation	11	387.00	106.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Structural Concrete	9	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Rough Interior Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Phase 1: Interior Finish Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Landscaping/ TCO/ Punchlist	3	387.00	108.00	570.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Excavation	10	387.00	108.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Foundation	22	387.00	106.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Structural Concrete	18	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Rough Interior Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Interior Finish Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Landscaping/ TCO/ Punchlist	6	387.00	110.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Grading	10	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Reconfigure Parking Lot	4	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Phase A: Site Clearing/ Excavation - 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					0.3675	0.0000	0.3675	0.0556	0.0000	0.0556			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.066 3	2,113.0663	0.4380		2,124.017 4
Total	1.7389	14.9446	14.1455	0.0216	0.3675	0.9905	1.3580	0.0556	0.9486	1.0043		2,113.066 3	2,113.0663	0.4380		2,124.017 4

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	0.0146	0.5297	0.1205	1.3300e-003	0.0295	2.1000e-003	0.0316	8.0800e-003	2.0100e-003	0.0101		147.5805	147.5805	0.0154		147.9660
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	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0728	0.5693	0.6312	2.8400e-003	0.1748	3.0600e-003	0.1779	0.0466	2.8900e-003	0.0495		297.9484	297.9484	0.0194		298.4334

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					0.1571	0.0000	0.1571	0.0238	0.0000	0.0238			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	0.1571	0.9905	1.1476	0.0238	0.9486	0.9724	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0146	0.5297	0.1205	1.3300e-003	0.0237	2.1000e-003	0.0258	6.6500e-003	2.0100e-003	8.6700e-003		147.5805	147.5805	0.0154		147.9660
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	0.0582	0.0396	0.5107	1.5100e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0728	0.5693	0.6312	2.8400e-003	0.1362	3.0600e-003	0.1392	0.0371	2.8900e-003	0.0400		297.9484	297.9484	0.0194		298.4334

3.3 Phase A: Concrete - 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					0.0180	0.0000	0.0180	2.7200e-003	0.0000	2.7200e-003			0.0000			0.0000
Off-Road	2.4502	23.4377	14.6228	0.0370		1.0705	1.0705		1.0219	1.0219		3,657.5315	3,657.5315	0.9085		3,680.2430
Total	2.4502	23.4377	14.6228	0.0370	0.0180	1.0705	1.0884	2.7200e-003	1.0219	1.0246		3,657.5315	3,657.5315	0.9085		3,680.2430

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	0.1712	6.2008	1.4110	0.0156	0.3457	0.0246	0.3703	0.0946	0.0236	0.1182		1,727.5238	1,727.5238	0.1805		1,732.0356

Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	6.3900e-003	8.8000e-004	7.2700e-003	1.8400e-003	8.4000e-004	2.6800e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0448	0.0304	0.3928	1.1600e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		115.6676	115.6676	3.0600e-003		115.7441
Total	0.2201	6.3505	1.8358	0.0170	0.4638	0.0263	0.4901	0.1261	0.0251	0.1512		1,870.6242	1,870.6242	0.1859		1,875.2721

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					7.6800e-003	0.0000	7.6800e-003	1.1600e-003	0.0000	1.1600e-003			0.0000				0.0000
Off-Road	2.4502	23.4377	14.6228	0.0370		1.0705	1.0705		1.0219	1.0219	0.0000	3,657.5315	3,657.5315	0.9085			3,680.2430
Total	2.4502	23.4377	14.6228	0.0370	7.6800e-003	1.0705	1.0782	1.1600e-003	1.0219	1.0230	0.0000	3,657.5315	3,657.5315	0.9085			3,680.2430

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	0.1712	6.2008	1.4110	0.0156	0.2774	0.0246	0.3021	0.0779	0.0236	0.1015		1,727.5238	1,727.5238	0.1805		1,732.0356
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	5.2000e-003	8.8000e-004	6.0900e-003	1.5500e-003	8.4000e-004	2.3900e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0448	0.0304	0.3928	1.1600e-003	0.0865	7.4000e-004	0.0873	0.0234	6.8000e-004	0.0241		115.6676	115.6676	3.0600e-003		115.7441
Total	0.2201	6.3505	1.8358	0.0170	0.3691	0.0263	0.3954	0.1029	0.0251	0.1280		1,870.6242	1,870.6242	0.1859		1,875.2721

3.4 Phase A: Rough/ Finish - 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	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375			49.8120	49.8120	0.0155		50.1996
Total	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375			49.8120	49.8120	0.0155		50.1996

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	0.4618	13.5995	3.6487	0.0288	0.7284	0.1006	0.8291	0.2096	0.0963	0.3059			3,127.3431	3,127.3431	0.2714		3,134.1278
Worker	1.7327	1.1780	15.2016	0.0449	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735			4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1945	14.7775	18.8503	0.0738	5.0542	0.1292	5.1834	1.3568	0.1226	1.4794			7,603.6778	7,603.6778	0.3899		7,613.4259

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	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375	0.0000	49.8120	49.8120	0.0155		50.1996
Total	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375	0.0000	49.8120	49.8120	0.0155		50.1996

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	0.4618	13.5995	3.6487	0.0288	0.5932	0.1006	0.6939	0.1764	0.0963	0.2727		3,127.3431	3,127.3431	0.2714		3,134.1278
Worker	1.7327	1.1780	15.2016	0.0449	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1945	14.7775	18.8503	0.0738	3.9412	0.1292	4.0704	1.0837	0.1226	1.2062		7,603.6778	7,603.6778	0.3899		7,613.4259

3.5 Phase A: Landscaping/ TCO/ Punchlist - 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	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307

Total	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307
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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	0.4334	12.7645	3.4247	0.0271	0.6837	0.0944	0.7782	0.1968	0.0904	0.2871		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1662	13.9425	18.6262	0.0720	5.0095	0.1230	5.1325	1.3440	0.1167	1.4606		7,411.6480	7,411.6480	0.3733		7,420.9795

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	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517	0.0000	2,017.6568	2,017.6568	0.5470		2,031.3307
Total	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517	0.0000	2,017.6568	2,017.6568	0.5470		2,031.3307

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	0.4334	12.7645	3.4247	0.0271	0.5568	0.0944	0.6513	0.1656	0.0904	0.2560		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1662	13.9425	18.6262	0.0720	3.9048	0.1230	4.0278	1.0728	0.1167	1.1895		7,411.6480	7,411.6480	0.3733		7,420.9795

3.6 Phase 1: Site Demolition/ Clearing - 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					1.7236	0.0000	1.7236	0.2610	0.0000	0.2610			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	1.7236	0.9905	2.7141	0.2610	0.9486	1.2096		2,113.0663	2,113.0663	0.4380		2,124.0174

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
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Category	lb/day										lb/day					
Hauling	0.0690	2.4992	0.5687	6.2800e-003	0.1393	9.9300e-003	0.1493	0.0381	9.5000e-003	0.0476		696.2774	696.2774	0.0727		698.0959
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	6.3900e-003	8.8000e-004	7.2700e-003	1.8400e-003	8.4000e-004	2.6800e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674
Total	0.1313	2.6581	1.1114	8.0400e-003	0.2910	0.0118	0.3028	0.0785	0.0112	0.0897		874.0781	874.0781	0.0791		876.0556

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					0.7368	0.0000	0.7368	0.1116	0.0000	0.1116			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	0.7368	0.9905	1.7273	0.1116	0.9486	1.0602	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0690	2.4992	0.5687	6.2800e-003	0.1118	9.9300e-003	0.1218	0.0314	9.5000e-003	0.0409		696.2774	696.2774	0.0727		698.0959
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	5.2000e-003	8.8000e-004	6.0900e-003	1.5500e-003	8.4000e-004	2.3900e-003		27.4328	27.4328	2.3800e-003		27.4924

Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		150.3678	150.3678	3.9800e-003		150.4674
Total	0.1313	2.6581	1.1114	8.0400e-003	0.2295	0.0118	0.2413	0.0634	0.0112	0.0746		874.0781	874.0781	0.0791		876.0556

3.7 Phase 1: Shoring - 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					0.5346	0.0000	0.5346	0.0810	0.0000	0.0810			0.0000			0.0000
Off-Road	2.3227	21.2066	12.7600	0.0328		0.9457	0.9457		0.8883	0.8883		3,197.0362	3,197.0362	0.9457		3,220.6784
Total	2.3227	21.2066	12.7600	0.0328	0.5346	0.9457	1.4803	0.0810	0.8883	0.9692		3,197.0362	3,197.0362	0.9457		3,220.6784

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	0.5098	18.4601	4.2006	0.0464	1.0291	0.0734	1.1024	0.2817	0.0702	0.3519		5,142.9580	5,142.9580	0.5373		5,156.3902
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	6.3900e-003	8.8000e-004	7.2700e-003	1.8400e-003	8.4000e-004	2.6800e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0672	0.0457	0.5892	1.7400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		173.5014	173.5014	4.5900e-003		173.6162
Total	0.5810	18.6251	4.8218	0.0484	1.2031	0.0754	1.2784	0.3280	0.0720	0.4001		5,343.8922	5,343.8922	0.5443		5,357.4987

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					0.2285	0.0000	0.2285	0.0346	0.0000	0.0346			0.0000			0.0000
Off-Road	2.3227	21.2066	12.7600	0.0328		0.9457	0.9457		0.8883	0.8883	0.0000	3,197.0362	3,197.0362	0.9457		3,220.6784
Total	2.3227	21.2066	12.7600	0.0328	0.2285	0.9457	1.1743	0.0346	0.8883	0.9229	0.0000	3,197.0362	3,197.0362	0.9457		3,220.6784

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	0.5098	18.4601	4.2006	0.0464	0.8259	0.0734	0.8993	0.2319	0.0702	0.3020		5,142.9580	5,142.9580	0.5373		5,156.3902
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	5.2000e-003	8.8000e-004	6.0900e-003	1.5500e-003	8.4000e-004	2.3900e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0672	0.0457	0.5892	1.7400e-003	0.1298	1.1100e-003	0.1309	0.0352	1.0200e-003	0.0362		173.5014	173.5014	4.5900e-003		173.6162
Total	0.5810	18.6251	4.8218	0.0484	0.9609	0.0754	1.0362	0.2686	0.0720	0.3406		5,343.8922	5,343.8922	0.5443		5,357.4987

3.8 Phase 1: Excavation - 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
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Category	lb/day										lb/day					
Off-Road	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308		1,794.4107	1,794.4107	0.5586		1,808.3763
Total	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308		1,794.4107	1,794.4107	0.5586		1,808.3763

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	0.5735	20.7676	4.7256	0.0522	2.1203	0.0825	2.2028	0.5532	0.0790	0.6322		5,785.8278	5,785.8278	0.6045		5,800.9389
Vendor	0.4334	12.7645	3.4247	0.0271	0.6837	0.0944	0.7782	0.1968	0.0904	0.2871		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.7397	34.7101	23.3519	0.1242	7.1298	0.2055	7.3353	1.8972	0.1956	2.0928		13,197.4758	13,197.4758	0.9777		13,221.9184

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	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308	0.0000	1,794.4107	1,794.4107	0.5586		1,808.3763
Total	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308	0.0000	1,794.4107	1,794.4107	0.5586		1,808.3763

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	0.5735	20.7676	4.7256	0.0522	1.6415	0.0825	1.7240	0.4357	0.0790	0.5146		5,785.8278	5,785.8278	0.6045		5,800.9389
Vendor	0.4334	12.7645	3.4247	0.0271	0.5568	0.0944	0.6513	0.1656	0.0904	0.2560		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.7397	34.7101	23.3519	0.1242	5.5463	0.2055	5.7518	1.5085	0.1956	1.7041		13,197.4758	13,197.4758	0.9777		13,221.9184

3.8 Phase 1: Excavation - 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	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.0621	1,765.0621	0.5585		1,779.0233
Total	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.0621	1,765.0621	0.5585		1,779.0233

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	0.5526	19.7049	4.7239	0.0516	1.9601	0.0757	2.0357	0.5139	0.0724	0.5863		5,734.1476	5,734.1476	0.5986		5,749.1127
Vendor	0.4012	12.1423	3.2098	0.0269	0.6837	0.0820	0.7657	0.1968	0.0785	0.2752		2,920.7669	2,920.7669	0.2466		2,926.9312
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.5487	32.8930	21.7397	0.1222	6.9695	0.1866	7.1561	1.8578	0.1775	2.0353		13,013.0774	13,013.0774	0.9523		13,036.8855

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	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367	0.0000	1,765.0621	1,765.0621	0.5585		1,779.0233
Total	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367	0.0000	1,765.0621	1,765.0621	0.5585		1,779.0233

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	0.5526	19.7049	4.7239	0.0516	1.5229	0.0757	1.5986	0.4066	0.0724	0.4790		5,734.1476	5,734.1476	0.5986		5,749.1127
Vendor	0.4012	12.1423	3.2098	0.0269	0.5568	0.0820	0.6388	0.1656	0.0785	0.2441		2,920.7669	2,920.7669	0.2466		2,926.9312
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.5487	32.8930	21.7397	0.1222	5.4277	0.1866	5.6142	1.4794	0.1775	1.6568		13,013.0774	13,013.0774	0.9523		13,036.8855

3.9 Phase 1: Foundation - 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	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.5253	3,486.5253	0.4240		3,497.1253
Total	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.5253	3,486.5253	0.4240		3,497.1253

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	0.5930	21.1467	5.0696	0.0554	1.2423	0.0812	1.3235	0.3401	0.0777	0.4178		6,153.7193	6,153.7193	0.6424		6,169.7795
Vendor	0.3974	12.0289	3.1798	0.0266	0.6773	0.0813	0.7586	0.1949	0.0777	0.2727		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416

Total	2.5854	34.2213	22.0553	0.1257	6.2453	0.1914	6.4367	1.6822	0.1820	1.8642		13,405.35	13,405.352	0.9938		13,430.19
												23	3			78

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	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878	0.0000	3,486.5253	3,486.5253	0.4240		3,497.1253
Total	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878	0.0000	3,486.5253	3,486.5253	0.4240		3,497.1253

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	0.5930	21.1467	5.0696	0.0554	0.9970	0.0812	1.0782	0.2799	0.0777	0.3576		6,153.7193	6,153.7193	0.6424		6,169.7795
Vendor	0.3974	12.0289	3.1798	0.0266	0.5516	0.0813	0.6329	0.1641	0.0777	0.2418		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.5854	34.2213	22.0553	0.1257	4.8966	0.1914	5.0880	1.3512	0.1820	1.5332		13,405.3523	13,405.3523	0.9938		13,430.1978

3.10 Phase 1: Structural Concrete - 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	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.5665	3,417.5665	0.4168		3,427.9876
Total	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.5665	3,417.5665	0.4168		3,427.9876

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	0.3974	12.0289	3.1798	0.0266	0.6773	0.0813	0.7586	0.1949	0.0777	0.2727		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	1.9924	13.0746	16.9857	0.0704	5.0030	0.1102	5.1132	1.3421	0.1044	1.4465		7,251.6329	7,251.6329	0.3514		7,260.4183

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	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876
Total	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876

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	0.3974	12.0289	3.1798	0.0266	0.5516	0.0813	0.6329	0.1641	0.0777	0.2418		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	1.9924	13.0746	16.9857	0.0704	3.8996	0.1102	4.0097	1.0713	0.1044	1.1756		7,251.6329	7,251.6329	0.3514		7,260.4183

3.10 Phase 1: Structural Concrete - 2020

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	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.1435	3,405.1435	0.3917		3,414.9359
Total	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.1435	3,405.1435	0.3917		3,414.9359

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	0.3386	11.0428	2.9146	0.0264	0.6773	0.0576	0.7349	0.1949	0.0551	0.2500		2,873.9667	2,873.9667	0.2324		2,879.7777
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8258	11.9798	15.5822	0.0687	5.0030	0.0862	5.0892	1.3421	0.0815	1.4236		7,092.4355	7,092.4355	0.3286		7,100.6506

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	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890	0.0000	3,405.1435	3,405.1435	0.3917		3,414.9359
Total	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890	0.0000	3,405.1435	3,405.1435	0.3917		3,414.9359

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	0.3386	11.0428	2.9146	0.0264	0.5516	0.0576	0.6092	0.1640	0.0551	0.2192		2,873.9667	2,873.9667	0.2324		2,879.7777
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8258	11.9798	15.5822	0.0687	3.8995	0.0862	3.9858	1.0713	0.0815	1.1527		7,092.4355	7,092.4355	0.3286		7,100.6506

3.11 Phase 1: Rough Interior Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642

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	0.4274	12.9367	3.4198	0.0286	0.7284	0.0874	0.8158	0.2096	0.0836	0.2932		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	5.0542	0.1163	5.1705	1.3568	0.1102	1.4671		7,470.0080	7,470.0080	0.3699		7,479.2543

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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.4274	12.9367	3.4198	0.0286	0.5932	0.0874	0.6806	0.1764	0.0836	0.2600		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	3.9412	0.1163	4.0575	1.0836	0.1102	1.1939		7,470.0080	7,470.0080	0.3699		7,479.2543

3.11 Phase 1: Rough Interior Fit Out - 2020

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338			47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338			47.9088	47.9088	0.0155		48.2962

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	0.3642	11.8763	3.1346	0.0284	0.7284	0.0620	0.7904	0.2096	0.0593	0.2689			3,090.8698	3,090.8698	0.2500		3,097.1194
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736			4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8514	12.8132	15.8021	0.0707	5.0541	0.0906	5.1447	1.3568	0.0856	1.4424			7,309.3386	7,309.3386	0.3461		7,317.9923

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3642	11.8763	3.1346	0.0284	0.5932	0.0620	0.6552	0.1764	0.0593	0.2357		3,090.8698	3,090.8698	0.2500		3,097.1194
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8514	12.8132	15.8021	0.0707	3.9412	0.0906	4.0317	1.0836	0.0856	1.1693		7,309.3386	7,309.3386	0.3461		7,317.9923

3.12 Phase 1: Interior Finish Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642

Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642
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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	0.4274	12.9367	3.4198	0.0286	0.7284	0.0874	0.8158	0.2096	0.0836	0.2932		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	5.0542	0.1163	5.1705	1.3568	0.1102	1.4671		7,470.0080	7,470.0080	0.3699		7,479.2543

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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.4274	12.9367	3.4198	0.0286	0.5932	0.0874	0.6806	0.1764	0.0836	0.2600		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	3.9412	0.1163	4.0575	1.0836	0.1102	1.1939		7,470.0080	7,470.0080	0.3699		7,479.2543

3.12 Phase 1: Interior Finish Fit Out - 2020

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962

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
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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	0.0000	0.0000
Vendor	0.3642	11.8763	3.1346	0.0284	0.7284	0.0620	0.7904	0.2096	0.0593	0.2689		3,090.8698	3,090.8698	0.2500		3,097.1194
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8514	12.8132	15.8021	0.0707	5.0541	0.0906	5.1447	1.3568	0.0856	1.4424		7,309.3386	7,309.3386	0.3461		7,317.9923

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3642	11.8763	3.1346	0.0284	0.5932	0.0620	0.6552	0.1764	0.0593	0.2357		3,090.8698	3,090.8698	0.2500		3,097.1194

Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8514	12.8132	15.8021	0.0707	3.9412	0.0906	4.0317	1.0836	0.0856	1.1693		7,309.3386	7,309.3386	0.3461		7,317.9923

3.13 Phase 1: Landscaping/ TCO/ Punchlist - 2020

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	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511
Total	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511

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	0.2050	7.4635	1.8858	0.0208	0.4726	0.0242	0.4968	0.1294	0.0231	0.1525		2,315.4428	2,315.4428	0.2400		2,321.4432
Vendor	0.3450	11.2512	2.9696	0.0269	0.6900	0.0587	0.7488	0.1986	0.0562	0.2547		2,928.1925	2,928.1925	0.2368		2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.0372	19.6516	17.5230	0.0900	5.4884	0.1115	5.5999	1.4752	0.1056	1.5808		9,462.1041	9,462.1041	0.5730		9,476.4292

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	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823	0.0000	1,954.6546	1,954.6546	0.5399			1,968.1511
Total	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823	0.0000	1,954.6546	1,954.6546	0.5399			1,968.1511

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	0.2050	7.4635	1.8858	0.0208	0.3793	0.0242	0.4035	0.1065	0.0231	0.1296		2,315.4428	2,315.4428	0.2400			2,321.4432
Vendor	0.3450	11.2512	2.9696	0.0269	0.5620	0.0587	0.6207	0.1671	0.0562	0.2233		2,928.1925	2,928.1925	0.2368			2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962			4,220.8729
Total	2.0372	19.6516	17.5230	0.0900	4.2892	0.1115	4.4007	1.1808	0.1056	1.2864		9,462.1041	9,462.1041	0.5730			9,476.4292

3.14 Phase 2: Site Demolition/ Clearing - 2020

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
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Category	lb/day										lb/day					
Fugitive Dust					1.3637	0.0000	1.3637	0.2065	0.0000	0.2065			0.0000			0.0000
Off-Road	2.8102	24.3333	27.9113	0.0432		1.4583	1.4583		1.3970	1.3970	4,139.1683	4,139.1683	0.8458			4,160.3131
Total	2.8102	24.3333	27.9113	0.0432	1.3637	1.4583	2.8220	0.2065	1.3970	1.6035	4,139.1683	4,139.1683	0.8458			4,160.3131

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	0.0474	1.7248	0.4358	4.8000e-003	0.1092	5.5800e-003	0.1148	0.0299	5.3400e-003	0.0352		535.1000	535.1000	0.0555			536.4866
Vendor	6.3900e-003	0.2084	0.0550	5.0000e-004	0.0128	1.0900e-003	0.0139	3.6800e-003	1.0400e-003	4.7200e-003		54.2258	54.2258	4.3900e-003			54.3354
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		272.5109	272.5109	6.2100e-003			272.6662
Total	0.1498	1.9937	1.3091	8.0300e-003	0.4014	8.5200e-003	0.4100	0.1077	8.0800e-003	0.1158		861.8366	861.8366	0.0661			863.4883

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	lb/day										lb/day						
Fugitive Dust					0.5830	0.0000	0.5830	0.0883	0.0000	0.0883			0.0000			0.0000	
Off-Road	2.8102	24.3333	27.9113	0.0432		1.4583	1.4583		1.3970	1.3970	0.0000	4,139.1683	4,139.1683	0.8458			4,160.3131

Total	2.8102	24.3333	27.9113	0.0432	0.5830	1.4583	2.0413	0.0883	1.3970	1.4853	0.0000	4,139.1683	4,139.1683	0.8458		4,160.3131
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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	0.0474	1.7248	0.4358	4.8000e-003	0.0877	5.5800e-003	0.0932	0.0246	5.3400e-003	0.0300		535.1000	535.1000	0.0555		536.4866
Vendor	6.3900e-003	0.2084	0.0550	5.0000e-004	0.0104	1.0900e-003	0.0115	3.1000e-003	1.0400e-003	4.1400e-003		54.2258	54.2258	4.3900e-003		54.3354
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		272.5109	272.5109	6.2100e-003		272.6662
Total	0.1498	1.9937	1.3091	8.0300e-003	0.3144	8.5200e-003	0.3229	0.0863	8.0800e-003	0.0944		861.8366	861.8366	0.0661		863.4883

3.15 Phase 2: Shoring - 2020

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					0.3997	0.0000	0.3997	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	3.1846	30.2741	20.3334	0.0536		1.2759	1.2759		1.1947	1.1947		5,070.9701	5,070.9701	1.5308		5,109.2388
Total	3.1846	30.2741	20.3334	0.0536	0.3997	1.2759	1.6756	0.0605	1.1947	1.2552		5,070.9701	5,070.9701	1.5308		5,109.2388

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	0.3335	12.1445	3.0686	0.0338	0.7690	0.0393	0.8083	0.2105	0.0376	0.2481		3,767.6723	3,767.6723	0.3906		3,777.4360
Vendor	9.5800e-003	0.3125	0.0825	7.5000e-004	0.0192	1.6300e-003	0.0208	5.5200e-003	1.5600e-003	7.0800e-003		81.3387	81.3387	6.5800e-003		81.5031
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		272.5109	272.5109	6.2100e-003		272.6662
Total	0.4392	12.5175	3.9694	0.0373	1.0676	0.0428	1.1104	0.2902	0.0409	0.3310		4,121.5219	4,121.5219	0.4033		4,131.6054

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					0.1709	0.0000	0.1709	0.0259	0.0000	0.0259			0.0000			0.0000
Off-Road	3.1846	30.2741	20.3334	0.0536		1.2759	1.2759		1.1947	1.1947	0.0000	5,070.9701	5,070.9701	1.5308		5,109.2388
Total	3.1846	30.2741	20.3334	0.0536	0.1709	1.2759	1.4468	0.0259	1.1947	1.2206	0.0000	5,070.9701	5,070.9701	1.5308		5,109.2388

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	0.3335	12.1445	3.0686	0.0338	0.6172	0.0393	0.6565	0.1733	0.0376	0.2109		3,767.6723	3,767.6723	0.3906		3,777.4360
Vendor	9.5800e-003	0.3125	0.0825	7.5000e-004	0.0156	1.6300e-003	0.0172	4.6400e-003	1.5600e-003	6.2000e-003		81.3387	81.3387	6.5800e-003		81.5031
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		272.5109	272.5109	6.2100e-003		272.6662
Total	0.4392	12.5175	3.9694	0.0373	0.8491	0.0428	0.8919	0.2365	0.0409	0.2774		4,121.5219	4,121.5219	0.4033		4,131.6054

3.16 Phase 2: Excavation - 2020

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	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656		3,633.0244
Total	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656		3,633.0244

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	0.4190	15.2576	3.8552	0.0425	0.9661	0.0494	1.0155	0.2645	0.0473	0.3117		4,733.4794	4,733.4794	0.4907		4,745.7459
Vendor	0.3450	11.2512	2.9696	0.0269	0.6900	0.0587	0.7488	0.1986	0.0562	0.2547		2,928.1925	2,928.1925	0.2368		2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729

Total	2.2512	27.4457	19.4924	0.1117	5.9819	0.1367	6.1186	1.6103	0.1298	1.7400		11,880.14	11,880.140	0.8237		11,900.73
												06	6			19

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	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046	0.0000	3,603.8852	3,603.8852	1.1656		3,633.0244
Total	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046	0.0000	3,603.8852	3,603.8852	1.1656		3,633.0244

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	0.4190	15.2576	3.8552	0.0425	0.7754	0.0494	0.8248	0.2177	0.0473	0.2649		4,733.4794	4,733.4794	0.4907		4,745.7459
Vendor	0.3450	11.2512	2.9696	0.0269	0.5620	0.0587	0.6207	0.1671	0.0562	0.2233		2,928.1925	2,928.1925	0.2368		2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.2512	27.4457	19.4924	0.1117	4.6853	0.1367	4.8220	1.2920	0.1298	1.4218		11,880.1406	11,880.1406	0.8237		11,900.7319

3.17 Phase 2: Foundation - 2020

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	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.2698	7,150.2698	0.8187		7,170.7370
Total	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.2698	7,150.2698	0.8187		7,170.7370

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	0.4095	14.9108	3.7676	0.0415	1.6611	0.0483	1.7094	0.4345	0.0462	0.4806		4,625.9003	4,625.9003	0.4795		4,637.8880
Vendor	0.3386	11.0428	2.9146	0.0264	0.6773	0.0576	0.7349	0.1949	0.0551	0.2500		2,873.9667	2,873.9667	0.2324		2,879.7777
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.2353	26.8906	19.3498	0.1102	6.6642	0.1345	6.7987	1.7766	0.1277	1.9042		11,718.3357	11,718.3357	0.8081		11,738.5386

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	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370
Total	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370

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	0.4095	14.9108	3.7676	0.0415	1.2883	0.0483	1.3366	0.3429	0.0462	0.3891		4,625.9003	4,625.9003	0.4795		4,637.8880
Vendor	0.3386	11.0428	2.9146	0.0264	0.5516	0.0576	0.6092	0.1640	0.0551	0.2192		2,873.9667	2,873.9667	0.2324		2,879.7777
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.2353	26.8906	19.3498	0.1102	5.1879	0.1345	5.3224	1.4142	0.1277	1.5418		11,718.3357	11,718.3357	0.8081		11,738.5386

3.17 Phase 2: Foundation - 2021

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	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320
Total	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320

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	0.3906	13.7854	3.7871	0.0409	1.6611	0.0433	1.7044	0.4344	0.0414	0.4759		4,569.2867	4,569.2867	0.4737		4,581.1301
Vendor	0.2829	9.9443	2.6969	0.0261	0.6772	0.0207	0.6979	0.1949	0.0198	0.2146		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	2.0702	24.5749	18.2383	0.1079	6.6641	0.0920	6.7560	1.7765	0.0870	1.8635		11,490.4786	11,490.4786	0.7844		11,510.0873

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	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320
Total	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320

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	0.3906	13.7854	3.7871	0.0409	1.2883	0.0433	1.3316	0.3429	0.0414	0.3844		4,569.2867	4,569.2867	0.4737		4,581.1301
Vendor	0.2829	9.9443	2.6969	0.0261	0.5515	0.0207	0.5722	0.1640	0.0198	0.1838		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	2.0702	24.5749	18.2383	0.1079	5.1878	0.0920	5.2797	1.4142	0.0870	1.5011		11,490.4786	11,490.4786	0.7844		11,510.0873

3.18 Phase 2: Structural Concrete - 2021

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	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.2549	7,012.2549	0.7641		7,031.3565
Total	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.2549	7,012.2549	0.7641		7,031.3565

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	0.2829	9.9443	2.6969	0.0261	0.6772	0.0207	0.6979	0.1949	0.0198	0.2146		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	5.0030	0.0487	5.0517	1.3421	0.0455	1.3876		6,921.1919	6,921.1919	0.3106		6,928.9573

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	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564
Total	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564

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	0.2829	9.9443	2.6969	0.0261	0.5515	0.0207	0.5722	0.1640	0.0198	0.1838		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	3.8995	0.0487	3.9482	1.0712	0.0455	1.1168		6,921.1919	6,921.1919	0.3106		6,928.9573

3.19 Phase 2: Rough Interior Fit Out - 2021

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	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819
Total	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819

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	0.3255	11.4453	3.1040	0.0301	0.7795	0.0238	0.8032	0.2243	0.0227	0.2470		3,279.2685	3,279.2685	0.2571		3,285.6970
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.7224	12.2905	14.8583	0.0709	5.1052	0.0518	5.1570	1.3715	0.0485	1.4200		7,351.2599	7,351.2599	0.3443		7,359.8683

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	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054	0.0000	299.2622	299.2622	0.0968		301.6819
Total	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054	0.0000	299.2622	299.2622	0.0968		301.6819

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	0.3255	11.4453	3.1040	0.0301	0.6348	0.0238	0.6586	0.1888	0.0227	0.2115		3,279.2685	3,279.2685	0.2571		3,285.6970
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.7224	12.2905	14.8583	0.0709	3.9828	0.0518	4.0345	1.0960	0.0485	1.1445		7,351.2599	7,351.2599	0.3443		7,359.8683

3.19 Phase 2: Rough Interior Fit Out - 2022

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	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845

Total	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845
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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	0.3061	10.8281	2.9972	0.0298	0.7795	0.0207	0.8001	0.2243	0.0198	0.2441		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	5.1052	0.0481	5.1533	1.3715	0.0451	1.4166		7,168.1506	7,168.1506	0.3283		7,176.3577

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	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916	0.0000	299.1656	299.1656	0.0968		301.5845
Total	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916	0.0000	299.1656	299.1656	0.0968		301.5845

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	0.3061	10.8281	2.9972	0.0298	0.6348	0.0207	0.6555	0.1888	0.0198	0.2086		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	3.9827	0.0481	4.0309	1.0960	0.0451	1.1411		7,168.1506	7,168.1506	0.3283		7,176.3577

3.20 Phase 2: Interior Finish Fit Out - 2021

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	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590
Total	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590

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
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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	0.0000
Vendor	0.3255	11.4453	3.1040	0.0301	0.7795	0.0238	0.8032	0.2243	0.0227	0.2470	3,279.2685	3,279.2685	0.2571		3,285.6970
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730	4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.7224	12.2905	14.8583	0.0709	5.1052	0.0518	5.1570	1.3715	0.0485	1.4200	7,351.2599	7,351.2599	0.3443		7,359.8683

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	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637	0.0000	95.7845	95.7845	0.0310		96.5590
Total	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637	0.0000	95.7845	95.7845	0.0310		96.5590

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	0.3255	11.4453	3.1040	0.0301	0.6348	0.0238	0.6586	0.1888	0.0227	0.2115	3,279.2685	3,279.2685	0.2571			3,285.6970

Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.7224	12.2905	14.8583	0.0709	3.9828	0.0518	4.0345	1.0960	0.0485	1.1445		7,351.2599	7,351.2599	0.3443		7,359.8683

3.20 Phase 2: Interior Finish Fit Out - 2022

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	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150
Total	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150

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	0.3061	10.8281	2.9972	0.0298	0.7795	0.0207	0.8001	0.2243	0.0198	0.2441		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	5.1052	0.0481	5.1533	1.3715	0.0451	1.4166		7,168.1506	7,168.1506	0.3283		7,176.3577

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	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581	0.0000	96.0384	96.0384	0.0311		96.8150
Total	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581	0.0000	96.0384	96.0384	0.0311		96.8150

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	0.3061	10.8281	2.9972	0.0298	0.6348	0.0207	0.6555	0.1888	0.0198	0.2086		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	3.9827	0.0481	4.0309	1.0960	0.0451	1.1411		7,168.1506	7,168.1506	0.3283		7,176.3577

3.21 Phase 3: Site Demolition/ Clearing - 2021

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
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Category	lb/day										lb/day					
Fugitive Dust					0.8153	0.0000	0.8153	0.1234	0.0000	0.1234			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.8153	1.5513	2.3666	0.1234	1.4411	1.5645		3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0274	0.9660	0.2654	2.8700e-003	0.0662	3.0400e-003	0.0692	0.0181	2.9000e-003	0.0210		320.1948	320.1948	0.0332		321.0247
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	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0815	0.9988	0.7210	4.4500e-003	0.2338	4.1300e-003	0.2379	0.0626	3.9000e-003	0.0665		478.0239	478.0239	0.0366		478.9383

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					0.3485	0.0000	0.3485	0.0528	0.0000	0.0528			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Total	3.1651	31.4407	21.5650	0.0388	0.3485	1.5513	1.8999	0.0528	1.4411	1.4939	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
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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	0.0274	0.9660	0.2654	2.8700e-003	0.0531	3.0400e-003	0.0561	0.0149	2.9000e-003	0.0178		320.1948	320.1948	0.0332		321.0247
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	0.0541	0.0328	0.4556	1.5800e-003	0.1298	1.0900e-003	0.1309	0.0352	1.0000e-003	0.0362		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0815	0.9988	0.7210	4.4500e-003	0.1829	4.1300e-003	0.1870	0.0501	3.9000e-003	0.0540		478.0239	478.0239	0.0366		478.9383

3.22 Phase 3: Grading - 2021

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.6533	50.6220	35.9284	0.0704		2.2167	2.2167		2.0528	2.0528		6,808.4192	6,808.4192	2.0323		6,859.2260
Total	4.6533	50.6220	35.9284	0.0704	8.6733	2.2167	10.8900	3.5965	2.0528	5.6493		6,808.4192	6,808.4192	2.0323		6,859.2260

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	0.2829	9.9443	2.6969	0.0261	0.6772	0.0207	0.6979	0.1949	0.0198	0.2146		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	5.0030	0.0487	5.0517	1.3421	0.0455	1.3876		6,921.1919	6,921.1919	0.3106		6,928.9573

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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	4.6533	50.6220	35.9284	0.0704		2.2167	2.2167		2.0528	2.0528	0.0000	6,808.4192	6,808.4192	2.0323		6,859.2260
Total	4.6533	50.6220	35.9284	0.0704	3.7079	2.2167	5.9245	1.5375	2.0528	3.5903	0.0000	6,808.4192	6,808.4192	2.0323		6,859.2260

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	0.0000	0.0000
Vendor	0.2829	9.9443	2.6969	0.0261	0.5515	0.0207	0.5722	0.1640	0.0198	0.1838		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	3.8995	0.0487	3.9482	1.0712	0.0455	1.1168		6,921.1919	6,921.1919	0.3106		6,928.9573

3.22 Phase 3: Grading - 2022

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.0479	42.7157	34.0741	0.0705		1.8332	1.8332		1.6983	1.6983		6,813.0018	6,813.0018	2.0316		6,863.7908
Total	4.0479	42.7157	34.0741	0.0705	8.6733	1.8332	10.5066	3.5965	1.6983	5.2948		6,813.0018	6,813.0018	2.0316		6,863.7908

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	0.2659	9.4080	2.6041	0.0258	0.6772	0.0180	0.6952	0.1949	0.0172	0.2121		2,821.2177	2,821.2177	0.2164		2,826.6282
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,921.0888	3,921.0888	0.0792		3,923.0686

Total	1.5860	10.1737	13.5747	0.0652	5.0030	0.0454	5.0484	1.3421	0.0425	1.3846		6,742.3064	6,742.3064	0.2956		6,749.6968
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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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	4.0479	42.7157	34.0741	0.0705		1.8332	1.8332		1.6983	1.6983	0.0000	6,813.0018	6,813.0018	2.0316		6,863.7908
Total	4.0479	42.7157	34.0741	0.0705	3.7079	1.8332	5.5411	1.5375	1.6983	3.2358	0.0000	6,813.0018	6,813.0018	2.0316		6,863.7908

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	0.2659	9.4080	2.6041	0.0258	0.5515	0.0180	0.5695	0.1640	0.0172	0.1812		2,821.2177	2,821.2177	0.2164		2,826.6282
Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.5860	10.1737	13.5747	0.0652	3.8995	0.0454	3.9449	1.0712	0.0425	1.1137		6,742.3064	6,742.3064	0.2956		6,749.6968

3.23 Phase 3: Reconfigure Parking Lot - 2022

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	0.7492	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397		1,371.7132	1,371.7132	0.3709		1,380.9866
Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7790	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397		1,371.7132	1,371.7132	0.3709		1,380.9866

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	0.2627	0.1524	2.1828	7.8200e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		780.1650	780.1650	0.0158		780.5589
Total	0.2627	0.1524	2.1828	7.8200e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		780.1650	780.1650	0.0158		780.5589

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	0.7492	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397	0.0000	1,371.7132	1,371.7132	0.3709		1,380.9866
Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7790	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397	0.0000	1,371.7132	1,371.7132	0.3709		1,380.9866

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	0.2627	0.1524	2.1828	7.8200e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		780.1650	780.1650	0.0158		780.5589
Total	0.2627	0.1524	2.1828	7.8200e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		780.1650	780.1650	0.0158		780.5589

3.24 Phase 2: Landscaping/ TCO/ Punchlist - 2022

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	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520
Total	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520

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	0.2760	9.7630	2.7024	0.0268	0.7028	0.0187	0.7214	0.2022	0.0178	0.2201		2,927.6787	2,927.6787	0.2246			2,933.2934
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,921.0888	3,921.0888	0.0792			3,923.0686
Total	1.5961	10.5288	13.6730	0.0661	5.0285	0.0461	5.0746	1.3495	0.0431	1.3926		6,848.7675	6,848.7675	0.3038			6,856.3620

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	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523	0.0000	3,910.9766	3,910.9766	1.0710			3,937.7520
Total	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523	0.0000	3,910.9766	3,910.9766	1.0710			3,937.7520

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	0.2760	9.7630	2.7024	0.0268	0.5723	0.0187	0.5910	0.1702	0.0178	0.1881		2,927.6787	2,927.6787	0.2246		2,933.2934
Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.5961	10.5288	13.6730	0.0661	3.9203	0.0461	3.9664	1.0774	0.0431	1.1205		6,848.7675	6,848.7675	0.3038		6,856.3620

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

	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	1.4647	4.9843	18.2708	0.0735	7.1384	0.0506	7.1890	1.9089	0.0469	1.9558		7,481.2911	7,481.2911	0.2888		7,488.5104
Unmitigated	1.5595	5.4109	20.9573	0.0860	8.4143	0.0585	8.4728	2.2500	0.0543	2.3043		8,753.3260	8,753.3260	0.3330		8,761.6505

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		

Condo/Townhouse High Rise	1,086.80	1,086.80	1086.80	3,713,761	3,150,619
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	132.96	132.96	132.96	252,969	214,610
Total	1,219.76	1,219.76	1,219.76	3,966,730	3,365,228

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Condo/Townhouse High Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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					
Natural Gas Mitigated	0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
Natural Gas Unmitigated	0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
City Park	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
Condo/Townhouse High Rise	10005.5	0.1079	0.9221	0.3924	5.8900e-003		0.0746	0.0746		0.0746	0.0746		1,177.1233	1,177.1233	0.0226	0.0216	1,184.1183
Enclosed Parking with Elevator	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
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
Strip Mall	16.5205	1.8000e-004	1.6200e-003	1.3600e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.9436	1.9436	4.0000e-005	4.0000e-005	1.9551
Total		0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

Mitigated

	Natural Gas 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
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Land Use	kBTU/yr	lb/day										lb/day					
City Park	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	
Condo/Townhouse High Rise	8.30417	0.0896	0.7653	0.3257	4.8800e-003		0.0619	0.0619		0.0619	0.0619		976.9614	976.9614	0.0187	0.0179	982.7670
Enclosed Parking with Elevator	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
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
Strip Mall	0.0143112	1.5000e-004	1.4000e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6837	1.6837	3.0000e-005	3.0000e-005	1.6937
Total		0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607

6.0 Area Detail

6.1 Mitigation Measures Area

	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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Unmitigated	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982
Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982
Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet
Install Low Flow Shower
Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

Koll Center Residences - Orange County, Summer

Koll Center Residences - Tier 3
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	490.00	Space	4.41	196,000.00	0
Parking Lot	119.00	Space	1.07	47,600.00	0
City Park	1.00	Acre	1.19	43,560.00	0
Condo/Townhouse High Rise	260.00	Dwelling Unit	3.41	260,000.00	744
Strip Mall	3.00	1000sqft	0.06	3,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Data provided from project.
- Land Use - Acreage adjusted per Project Applicant.
- Construction Phase - Adjusted per Project Applicant.
- Off-road Equipment -
- Off-road Equipment - Adjusted per Project Applicant.
- Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

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Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Equipment.

Off-road Equipment - Paving Equipment

Off-road Equipment -

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Trips and VMT - Vendor trips account for crew and foreman trucks. Soil export to span duration of Phases A, 1, and 2

Demolition -

Grading - Construction export included in project description.

Architectural Coating -

Vehicle Trips - Adjusted per Traffic Report.

Woodstoves - No wood burning devices per Rule 445.

Area Coating - Adjusted to match parking area.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive Dust mitigation per Rule 403. Engine Tier 3 due to NOx over the SCAQMD Threshold prior to this mitigation measure.

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14616	25824
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00

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tblConstructionPhase	NumDays	300.00	21.00
tblConstructionPhase	NumDays	300.00	43.00
tblConstructionPhase	NumDays	300.00	44.00
tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	300.00	218.00

tblConstructionPhase	NumDays	300.00	217.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	300.00	130.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	300.00	44.00
tblConstructionPhase	NumDays	300.00	41.00
tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	30.00	12.00
tblConstructionPhase	NumDays	30.00	152.00
tblConstructionPhase	NumDays	30.00	94.00
tblConstructionPhase	NumDays	30.00	11.00
tblConstructionPhase	NumDays	20.00	94.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	221.00	234.00
tblFireplaces	NumberWood	13.00	0.00
tblGrading	MaterialExported	0.00	42,414.00
tblGrading	MaterialExported	0.00	24,139.00
tblGrading	MaterialExported	0.00	52,000.00
tblLandUse	LotAcreage	1.00	1.19
tblLandUse	LotAcreage	4.06	3.41
tblLandUse	LotAcreage	0.07	0.06
tblOffRoadEquipment	HorsePower	46.00	78.00
tblOffRoadEquipment	HorsePower	9.00	172.00
tblOffRoadEquipment	HorsePower	9.00	172.00
tblOffRoadEquipment	HorsePower	172.00	49.00
tblOffRoadEquipment	HorsePower	172.00	49.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblTripsAndVMT	HaulingTripNumber	0.00	570.00
tblTripsAndVMT	HaulingTripNumber	5,302.00	530.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,386.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,386.00
tblTripsAndVMT	HaulingTripNumber	6,500.00	650.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,925.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,925.00
tblTripsAndVMT	VendorTripNumber	75.00	114.00
tblTripsAndVMT	VendorTripNumber	75.00	114.00
tblTripsAndVMT	VendorTripNumber	75.00	108.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	75.00	108.00
tblTripsAndVMT	VendorTripNumber	75.00	106.00
tblTripsAndVMT	VendorTripNumber	75.00	106.00
tblTripsAndVMT	VendorTripNumber	75.00	122.00
tblTripsAndVMT	VendorTripNumber	75.00	122.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	106.00
tblTripsAndVMT	VendorTripNumber	75.00	110.00
tblTripsAndVMT	VendorTripNumber	75.00	114.00
tblTripsAndVMT	VendorTripNumber	75.00	107.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	75.00	107.00
tblTripsAndVMT	VendorTripNumber	75.00	106.00
tblTripsAndVMT	VendorTripNumber	75.00	106.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
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tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	25.00	387.00
tblTripsAndVMT	WorkerTripNumber	10.00	77.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00

tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	4.18
tblVehicleTrips	ST_TR	42.04	44.32
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	4.18
tblVehicleTrips	SU_TR	20.43	44.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	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
Year	lb/day										lb/day					
2018	4.9708	46.7170	35.8117	0.1420	7.1298	1.2667	8.0209	1.8972	1.2070	2.7236	0.0000	14,991.8865	14,991.8865	1.5363	0.0000	15,030.2947
2019	9.3851	66.0841	73.3169	0.2526	15.1114	1.8108	16.9222	4.0558	1.7661	5.8219	0.0000	25,707.1691	25,707.1691	1.5390	0.0000	25,745.6427
2020	8.5436	73.7475	68.7149	0.2477	15.1113	2.6443	16.6589	4.0558	2.6019	5.5651	0.0000	25,212.0737	25,212.0737	1.9892	0.0000	25,248.1634
2021	17.1953	142.1896	139.3189	0.4263	28.8898	4.7579	33.6477	9.0237	4.5346	13.5583	0.0000	42,770.3458	42,770.3458	4.2372	0.0000	42,876.2745
2022	9.2510	78.9484	78.5744	0.2780	23.8867	2.1425	26.0292	7.6816	1.9850	9.6667	0.0000	28,296.5312	28,296.5312	3.1147	0.0000	28,374.3987
Maximum	17.1953	142.1896	139.3189	0.4263	28.8898	4.7579	33.6477	9.0237	4.5346	13.5583	0.0000	42,770.3458	42,770.3458	4.2372	0.0000	42,876.2745

Mitigated Construction

	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
Year	lb/day										lb/day					
2018	3.2983	43.8209	41.5677	0.1420	5.5463	0.9923	6.2831	1.5085	0.9846	2.2355	0.0000	14,991.8865	14,991.8865	1.5363	0.0000	15,030.2947
2019	6.9567	59.7244	74.0768	0.2526	11.7819	1.5234	13.3054	3.2385	1.5055	4.7440	0.0000	25,707.1691	25,707.1691	1.5390	0.0000	25,745.6427
2020	6.4482	62.5797	69.8261	0.2477	11.7818	2.3942	13.2299	3.2385	2.3874	4.6719	0.0000	25,212.0737	25,212.0737	1.9892	0.0000	25,248.1634
2021	10.3692	118.2333	147.7543	0.4263	19.4724	4.1686	23.6410	5.8720	4.1559	10.0279	0.0000	42,770.3458	42,770.3458	4.2372	0.0000	42,876.2745
2022	6.6696	69.7457	86.8542	0.2780	15.5728	1.8498	17.4226	4.8007	1.8406	6.6414	0.0000	28,296.5312	28,296.5312	3.1147	0.0000	28,374.3987
Maximum	10.3692	118.2333	147.7543	0.4263	19.4724	4.1686	23.6410	5.8720	4.1559	10.0279	0.0000	42,770.3458	42,770.3458	4.2372	0.0000	42,876.2745

	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	31.62	13.14	-6.15	0.00	28.82	13.42	27.05	30.16	10.09	24.15	0.00	0.00	0.00	0.00	0.00	0.00

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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Energy	0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735
Mobile	1.7681	7.0370	23.7133	0.0923	8.4146	0.0658	8.4804	2.2502	0.0612	2.3114		9,380.4068	9,380.4068	0.3732		9,389.7358

Total	8.7668	12.0906	47.2949	0.1242	8.4146	0.5732	8.9878	2.2502	0.5686	2.8187	0.0000	15,553.5256	15,553.5256	0.5284	0.1125	15,600.2484
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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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Energy	0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
Mobile	1.6602	6.4146	20.6918	0.0789	7.1387	0.0568	7.1955	1.9090	0.0528	1.9618		8,017.0095	8,017.0095	0.3244		8,025.1194
Total	8.6406	11.3111	44.2065	0.1097	7.1387	0.5515	7.6902	1.9090	0.5475	2.4565	0.0000	13,989.7065	13,989.7065	0.4758	0.1088	14,034.0193

	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	1.44	6.45	6.53	11.63	15.16	3.78	14.44	15.16	3.70	12.85	0.00	10.05	10.05	9.96	3.27	10.04

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase A: Site Clearing/ Excavation	Demolition	1/1/2018	1/31/2018	5	23	
2	Phase A: Concrete	Grading	2/1/2018	8/31/2018	5	152	
3	Phase A: Rough/ Finish	Building Construction	4/1/2018	9/30/2018	5	130	
4	Phase A: Landscaping/ TCO/ Punchlist	Building Construction	10/1/2018	10/31/2018	5	23	
5	Phase 1: Site Demolition/ Clearing	Demolition	11/1/2018	11/15/2018	5	11	
6	Phase 1: Shoring	Grading	11/16/2018	11/30/2018	5	11	
7	Phase 1: Excavation	Building Construction	12/1/2018	1/31/2019	5	44	

8	Phase 1: Foundation	Building Construction	2/1/2019	3/31/2019	5	41
9	Phase 1: Structural Concrete	Building Construction	4/1/2019	1/31/2020	5	220
10	Phase 1: Rough Interior Fit Out	Building Construction	7/1/2019	4/30/2020	5	219
11	Phase 1: Interior Finish Fit Out	Building Construction	10/1/2019	7/31/2020	5	219
12	Phase 1: Landscaping/ TCO/ Punchlist	Building Construction	8/1/2020	8/31/2020	5	21
13	Phase 2: Site Demolition/ Clearing	Demolition	9/1/2020	9/15/2020	5	11
14	Phase 2: Shoring	Grading	9/16/2020	10/1/2020	5	12
15	Phase 2: Excavation	Building Construction	10/2/2020	12/1/2020	5	43
16	Phase 2: Foundation	Building Construction	12/2/2020	2/1/2021	5	44
17	Phase 2: Structural Concrete	Building Construction	2/2/2021	12/6/2021	5	220
18	Phase 2: Rough Interior Fit Out	Building Construction	5/2/2021	3/2/2022	5	218
19	Phase 2: Interior Finish Fit Out	Building Construction	6/4/2021	6/2/2022	5	217
20	Phase 3: Site Demolition/ Clearing	Demolition	10/1/2021	10/14/2021	5	10
21	Phase 3: Grading	Grading	10/15/2021	2/23/2022	5	94
22	Phase 3: Reconfigure Parking Lot	Paving	2/24/2022	7/5/2022	5	94
23	Phase 2: Landscaping/ TCO/ Punchlist	Building Construction	6/3/2022	7/5/2022	5	23

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.48

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase A: Site Clearing/ Excavation	Air Compressors	1	8.00	78	0.48
Phase A: Site Clearing/ Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Phase A: Site Clearing/ Excavation	Excavators	1	8.00	158	0.38
Phase A: Site Clearing/ Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Site Clearing/ Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase A: Concrete	Air Compressors	1	8.00	78	0.48

Phase A: Concrete	Excavators	0	8.00	158	0.38
Phase A: Concrete	Generator Sets	1	8.00	84	0.74
Phase A: Concrete	Graders	0	8.00	187	0.41
Phase A: Concrete	Off-Highway Trucks	2	8.00	402	0.38
Phase A: Concrete	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Concrete	Scrapers	0	8.00	367	0.48
Phase A: Concrete	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Phase A: Rough/ Finish	Cranes	0	7.00	231	0.29
Phase A: Rough/ Finish	Excavators	0	8.00	158	0.38
Phase A: Rough/ Finish	Forklifts	0	8.00	89	0.20
Phase A: Rough/ Finish	Generator Sets	0	8.00	84	0.74
Phase A: Rough/ Finish	Graders	0	8.00	187	0.41
Phase A: Rough/ Finish	Other Construction Equipment	1	2.00	49	0.42
Phase A: Rough/ Finish	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Rough/ Finish	Scrapers	0	8.00	367	0.48
Phase A: Rough/ Finish	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Phase A: Rough/ Finish	Welders	0	8.00	46	0.45
Phase A: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase A: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase A: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase A: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase A: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase A: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase A: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45
Phase 1: Site Demolition/ Clearing	Air Compressors	1	8.00	78	0.48
Phase 1: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1: Site Demolition/ Clearing	Excavators	1	8.00	158	0.38
Phase 1: Site Demolition/ Clearing	Pavers	0	8.00	130	0.42
Phase 1: Site Demolition/ Clearing	Paving Equipment	0	8.00	132	0.36
Phase 1: Site Demolition/ Clearing	Rollers	0	8.00	80	0.38

Phase 1: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1: Shoring	Air Compressors	0	6.00	78	0.48
Phase 1: Shoring	Bore/Drill Rigs	2	8.00	221	0.50
Phase 1: Shoring	Cranes	1	8.00	231	0.29
Phase 1: Shoring	Excavators	0	8.00	158	0.38
Phase 1: Shoring	Graders	0	8.00	187	0.41
Phase 1: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Shoring	Scrapers	0	8.00	367	0.48
Phase 1: Shoring	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Shoring	Welders	2	8.00	46	0.45
Phase 1: Excavation	Cranes	0	7.00	231	0.29
Phase 1: Excavation	Excavators	2	8.00	158	0.38
Phase 1: Excavation	Forklifts	0	8.00	89	0.20
Phase 1: Excavation	Generator Sets	0	8.00	84	0.74
Phase 1: Excavation	Skid Steer Loaders	1	8.00	65	0.37
Phase 1: Excavation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Phase 1: Excavation	Welders	0	8.00	46	0.45
Phase 1: Foundation	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Foundation	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Foundation	Cranes	1	8.00	231	0.29
Phase 1: Foundation	Forklifts	0	8.00	89	0.20
Phase 1: Foundation	Generator Sets	0	8.00	84	0.74
Phase 1: Foundation	Plate Compactors	2	8.00	8	0.43
Phase 1: Foundation	Pumps	2	8.00	84	0.74
Phase 1: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Foundation	Welders	2	8.00	46	0.45
Phase 1: Structural Concrete	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Structural Concrete	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Structural Concrete	Cranes	1	8.00	231	0.29

Phase 1: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 1: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 1: Structural Concrete	Pumps	2	8.00	84	0.74
Phase 1: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Structural Concrete	Welders	2	8.00	46	0.45
Phase 1: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20
Phase 1: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Rough Interior Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 1: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 1: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Interior Finish Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 1: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase 1: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 1: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 1: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 1: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase 1: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Landscaping/ TCO/ Punchlist	Welders	0	8.00	78	0.48
Phase 2: Site Demolition/ Clearing	Air Compressors	2	8.00	78	0.48
Phase 2: Site Demolition/ Clearing	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 2: Site Demolition/ Clearing	Excavators	2	8.00	158	0.38
Phase 2: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2: Shoring	Bore/Drill Rigs	3	8.00	221	0.50

Phase 2: Shoring	Cranes	2	8.00	231	0.29
Phase 2: Shoring	Excavators	0	8.00	158	0.38
Phase 2: Shoring	Graders	0	8.00	187	0.41
Phase 2: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Shoring	Scrapers	0	8.00	367	0.48
Phase 2: Shoring	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Shoring	Welders	3	8.00	46	0.45
Phase 2: Excavation	Cranes	0	7.00	231	0.29
Phase 2: Excavation	Excavators	4	8.00	158	0.38
Phase 2: Excavation	Forklifts	0	8.00	89	0.20
Phase 2: Excavation	Generator Sets	0	8.00	84	0.74
Phase 2: Excavation	Skid Steer Loaders	2	8.00	65	0.37
Phase 2: Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2: Excavation	Welders	0	8.00	46	0.45
Phase 2: Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Foundation	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Foundation	Cranes	2	8.00	231	0.29
Phase 2: Foundation	Forklifts	0	8.00	89	0.20
Phase 2: Foundation	Generator Sets	0	8.00	84	0.74
Phase 2: Foundation	Plate Compactors	4	8.00	8	0.43
Phase 2: Foundation	Pumps	4	8.00	84	0.74
Phase 2: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Foundation	Welders	4	8.00	46	0.45
Phase 2: Structural Concrete	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Structural Concrete	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Structural Concrete	Cranes	2	8.00	231	0.29
Phase 2: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 2: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 2: Structural Concrete	Pumps	4	8.00	84	0.74
Phase 2: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37

Phase 2: Structural Concrete	Welders	4	8.00	46	0.45
Phase 2: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Rough Interior Fit Out	Other Construction Equipment	2	2.00	172	0.42
Phase 2: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 2: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Interior Finish Fit Out	Other Construction Equipment	2	2.00	49	0.42
Phase 2: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 3: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 3: Site Demolition/ Clearing	Excavators	3	8.00	158	0.38
Phase 3: Site Demolition/ Clearing	Rubber Tired Dozers	2	8.00	247	0.40
Phase 3: Grading	Cranes	0	7.00	231	0.29
Phase 3: Grading	Excavators	2	8.00	158	0.38
Phase 3: Grading	Forklifts	0	8.00	89	0.20
Phase 3: Grading	Generator Sets	1	8.00	84	0.74
Phase 3: Grading	Graders	1	8.00	187	0.41
Phase 3: Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 3: Grading	Scrapers	2	8.00	367	0.48
Phase 3: Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3: Grading	Welders	0	8.00	46	0.45
Phase 3: Reconfigure Parking Lot	Air Compressors	1	6.00	78	0.48
Phase 3: Reconfigure Parking Lot	Pavers	1	8.00	130	0.42
Phase 3: Reconfigure Parking Lot	Paving Equipment	1	8.00	132	0.36
Phase 3: Reconfigure Parking Lot	Rollers	1	8.00	80	0.38
Phase 2: Landscaping/ TCO/ Punchlist	Air Compressors	2	8.00	78	0.48

Phase 2: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 2: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 2: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 2: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	2	8.00	402	0.38
Phase 2: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45

Trips and VMT

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
Phase A: Site Clearing/ Excavation	5	13.00	0.00	39.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Concrete	4	10.00	1.00	3,017.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Rough/ Finish	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Landscaping/ TCO/ Punchlist	3	387.00	107.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Site Demolition/ Clearing	5	13.00	1.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Shoring	6	15.00	1.00	650.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Excavation	5	387.00	107.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Foundation	11	387.00	106.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Structural Concrete	9	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Rough Interior Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Interior Finish Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Landscaping/ TCO/ Punchlist	3	387.00	108.00	570.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Site Demolition/ Clearing	10	25.00	2.00	69.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Shoring	10	25.00	3.00	530.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Excavation	10	387.00	108.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Foundation	22	387.00	106.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Structural Concrete	18	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Rough Interior Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Interior Finish Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Site Demolition/ Clearing	6	15.00	0.00	38.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Phase 3: Grading	10	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Reconfigure Parking Lot	4	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Landscaping/TCO/Punchlist	6	387.00	110.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Phase A: Site Clearing/ Excavation - 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					0.3675	0.0000	0.3675	0.0556	0.0000	0.0556			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	0.3675	0.9905	1.3580	0.0556	0.9486	1.0043		2,113.0663	2,113.0663	0.4380		2,124.0174

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
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Category	lb/day										lb/day				
Hauling	0.0146	0.5297	0.1205	1.3300e-003	0.0295	2.1000e-003	0.0316	8.0800e-003	2.0100e-003	0.0101		147.5805	147.5805	0.0154	147.9660
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	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003	150.4674
Total	0.0728	0.5693	0.6312	2.8400e-003	0.1748	3.0600e-003	0.1779	0.0466	2.8900e-003	0.0495		297.9484	297.9484	0.0194	298.4334

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					0.1571	0.0000	0.1571	0.0238	0.0000	0.0238			0.0000			0.0000
Off-Road	0.4834	10.5923	14.9040	0.0216		0.6887	0.6887		0.6887	0.6887	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	0.4834	10.5923	14.9040	0.0216	0.1571	0.6887	0.8458	0.0238	0.6887	0.7125	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0146	0.5297	0.1205	1.3300e-003	0.0237	2.1000e-003	0.0258	6.6500e-003	2.0100e-003	8.6700e-003		147.5805	147.5805	0.0154		147.9660
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	0.0582	0.0396	0.5107	1.5100e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		150.3678	150.3678	3.9800e-003		150.4674
Total	0.0728	0.5693	0.6312	2.8400e-003	0.1362	3.0600e-003	0.1392	0.0371	2.8900e-003	0.0400		297.9484	297.9484	0.0194		298.4334

3.3 Phase A: Concrete - 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					0.0180	0.0000	0.0180	2.7200e-003	0.0000	2.7200e-003			0.0000				0.0000
Off-Road	2.4502	23.4377	14.6228	0.0370		1.0705	1.0705		1.0219	1.0219		3,657.5315	3,657.5315	0.9085			3,680.2430
Total	2.4502	23.4377	14.6228	0.0370	0.0180	1.0705	1.0884	2.7200e-003	1.0219	1.0246		3,657.5315	3,657.5315	0.9085			3,680.2430

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	0.1712	6.2008	1.4110	0.0156	0.3457	0.0246	0.3703	0.0946	0.0236	0.1182		1,727.5238	1,727.5238	0.1805			1,732.0356
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	6.3900e-003	8.8000e-004	7.2700e-003	1.8400e-003	8.4000e-004	2.6800e-003		27.4328	27.4328	2.3800e-003			27.4924
Worker	0.0448	0.0304	0.3928	1.1600e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		115.6676	115.6676	3.0600e-003			115.7441
Total	0.2201	6.3505	1.8358	0.0170	0.4638	0.0263	0.4901	0.1261	0.0251	0.1512		1,870.6242	1,870.6242	0.1859			1,875.2721

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					7.6800e-003	0.0000	7.6800e-003	1.1600e-003	0.0000	1.1600e-003			0.0000			0.0000
Off-Road	0.8574	17.3144	20.5096	0.0370		0.8115	0.8115		0.8115	0.8115	0.0000	3,657.5315	3,657.5315	0.9085		3,680.2430
Total	0.8574	17.3144	20.5096	0.0370	7.6800e-003	0.8115	0.8191	1.1600e-003	0.8115	0.8126	0.0000	3,657.5315	3,657.5315	0.9085		3,680.2430

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	0.1712	6.2008	1.4110	0.0156	0.2774	0.0246	0.3021	0.0779	0.0236	0.1015		1,727.5238	1,727.5238	0.1805		1,732.0356
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	5.2000e-003	8.8000e-004	6.0900e-003	1.5500e-003	8.4000e-004	2.3900e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0448	0.0304	0.3928	1.1600e-003	0.0865	7.4000e-004	0.0873	0.0234	6.8000e-004	0.0241		115.6676	115.6676	3.0600e-003		115.7441
Total	0.2201	6.3505	1.8358	0.0170	0.3691	0.0263	0.3954	0.1029	0.0251	0.1280		1,870.6242	1,870.6242	0.1859		1,875.2721

3.4 Phase A: Rough/ Finish - 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
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Category	lb/day										lb/day					
Off-Road	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375		49.8120	49.8120	0.0155		50.1996
Total	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375		49.8120	49.8120	0.0155		50.1996

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	0.4618	13.5995	3.6487	0.0288	0.7284	0.1006	0.8291	0.2096	0.0963	0.3059		3,127.3431	3,127.3431	0.2714		3,134.1278
Worker	1.7327	1.1780	15.2016	0.0449	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1945	14.7775	18.8503	0.0738	5.0542	0.1292	5.1834	1.3568	0.1226	1.4794		7,603.6778	7,603.6778	0.3899		7,613.4259

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	49.8120	49.8120	0.0155		50.1996
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	49.8120	49.8120	0.0155		50.1996

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	0.4618	13.5995	3.6487	0.0288	0.5932	0.1006	0.6939	0.1764	0.0963	0.2727		3,127.3431	3,127.3431	0.2714		3,134.1278
Worker	1.7327	1.1780	15.2016	0.0449	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1945	14.7775	18.8503	0.0738	3.9412	0.1292	4.0704	1.0837	0.1226	1.2062		7,603.6778	7,603.6778	0.3899		7,613.4259

3.5 Phase A: Landscaping/ TCO/ Punchlist - 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	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307
Total	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307

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	0.4334	12.7645	3.4247	0.0271	0.6837	0.0944	0.7782	0.1968	0.0904	0.2871		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1662	13.9425	18.6262	0.0720	5.0095	0.1230	5.1325	1.3440	0.1167	1.4606		7,411.6480	7,411.6480	0.3733		7,420.9795

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	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	2,017.6568	2,017.6568	0.5470		2,031.3307
Total	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	2,017.6568	2,017.6568	0.5470		2,031.3307

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	0.0000	0.0000
Vendor	0.4334	12.7645	3.4247	0.0271	0.5568	0.0944	0.6513	0.1656	0.0904	0.2560		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.1662	13.9425	18.6262	0.0720	3.9048	0.1230	4.0278	1.0728	0.1167	1.1895		7,411.6480	7,411.6480	0.3733		7,420.9795

3.6 Phase 1: Site Demolition/ Clearing - 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					1.7236	0.0000	1.7236	0.2610	0.0000	0.2610			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	1.7236	0.9905	2.7141	0.2610	0.9486	1.2096		2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0690	2.4992	0.5687	6.2800e-003	0.1393	9.9300e-003	0.1493	0.0381	9.5000e-003	0.0476		696.2774	696.2774	0.0727		698.0959
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	6.3900e-003	8.8000e-004	7.2700e-003	1.8400e-003	8.4000e-004	2.6800e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		150.3678	150.3678	3.9800e-003		150.4674

Total	0.1313	2.6581	1.1114	8.0400e-003	0.2910	0.0118	0.3028	0.0785	0.0112	0.0897		874.0781	874.0781	0.0791		876.0556
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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					0.7368	0.0000	0.7368	0.1116	0.0000	0.1116			0.0000			0.0000
Off-Road	0.4834	10.5923	14.9040	0.0216		0.6887	0.6887		0.6887	0.6887	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	0.4834	10.5923	14.9040	0.0216	0.7368	0.6887	1.4255	0.1116	0.6887	0.8002	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0690	2.4992	0.5687	6.2800e-003	0.1118	9.9300e-003	0.1218	0.0314	9.5000e-003	0.0409		696.2774	696.2774	0.0727		698.0959
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	5.2000e-003	8.8000e-004	6.0900e-003	1.5500e-003	8.4000e-004	2.3900e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0582	0.0396	0.5107	1.5100e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		150.3678	150.3678	3.9800e-003		150.4674
Total	0.1313	2.6581	1.1114	8.0400e-003	0.2295	0.0118	0.2413	0.0634	0.0112	0.0746		874.0781	874.0781	0.0791		876.0556

3.7 Phase 1: Shoring - 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					0.5346	0.0000	0.5346	0.0810	0.0000	0.0810			0.0000			0.0000
Off-Road	2.3227	21.2066	12.7600	0.0328		0.9457	0.9457		0.8883	0.8883		3,197.0362	3,197.0362	0.9457		3,220.6784
Total	2.3227	21.2066	12.7600	0.0328	0.5346	0.9457	1.4803	0.0810	0.8883	0.9692		3,197.0362	3,197.0362	0.9457		3,220.6784

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	0.5098	18.4601	4.2006	0.0464	1.0291	0.0734	1.1024	0.2817	0.0702	0.3519		5,142.9580	5,142.9580	0.5373		5,156.3902
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	6.3900e-003	8.8000e-004	7.2700e-003	1.8400e-003	8.4000e-004	2.6800e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0672	0.0457	0.5892	1.7400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		173.5014	173.5014	4.5900e-003		173.6162
Total	0.5810	18.6251	4.8218	0.0484	1.2031	0.0754	1.2784	0.3280	0.0720	0.4001		5,343.8922	5,343.8922	0.5443		5,357.4987

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					0.2285	0.0000	0.2285	0.0346	0.0000	0.0346			0.0000			0.0000
Off-Road	0.8972	16.8990	18.5419	0.0328		0.7730	0.7730		0.7730	0.7730	0.0000	3,197.0362	3,197.0362	0.9457		3,220.6784
Total	0.8972	16.8990	18.5419	0.0328	0.2285	0.7730	1.0015	0.0346	0.7730	0.8076	0.0000	3,197.0362	3,197.0362	0.9457		3,220.6784

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	0.5098	18.4601	4.2006	0.0464	0.8259	0.0734	0.8993	0.2319	0.0702	0.3020		5,142.9580	5,142.9580	0.5373		5,156.3902
Vendor	4.0500e-003	0.1193	0.0320	2.5000e-004	5.2000e-003	8.8000e-004	6.0900e-003	1.5500e-003	8.4000e-004	2.3900e-003		27.4328	27.4328	2.3800e-003		27.4924
Worker	0.0672	0.0457	0.5892	1.7400e-003	0.1298	1.1100e-003	0.1309	0.0352	1.0200e-003	0.0362		173.5014	173.5014	4.5900e-003		173.6162
Total	0.5810	18.6251	4.8218	0.0484	0.9609	0.0754	1.0362	0.2686	0.0720	0.3406		5,343.8922	5,343.8922	0.5443		5,357.4987

3.8 Phase 1: Excavation - 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	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308		1,794.4107	1,794.4107	0.5586		1,808.3763
Total	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308		1,794.4107	1,794.4107	0.5586		1,808.3763

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	0.5735	20.7676	4.7256	0.0522	2.1203	0.0825	2.2028	0.5532	0.0790	0.6322		5,785.8278	5,785.8278	0.6045		5,800.9389
Vendor	0.4334	12.7645	3.4247	0.0271	0.6837	0.0944	0.7782	0.1968	0.0904	0.2871		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.7397	34.7101	23.3519	0.1242	7.1298	0.2055	7.3353	1.8972	0.1956	2.0928		13,197.4758	13,197.4758	0.9777		13,221.9184

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	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,794.4107	1,794.4107	0.5586		1,808.3763
Total	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,794.4107	1,794.4107	0.5586		1,808.3763

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	0.5735	20.7676	4.7256	0.0522	1.6415	0.0825	1.7240	0.4357	0.0790	0.5146		5,785.8278	5,785.8278	0.6045		5,800.9389
Vendor	0.4334	12.7645	3.4247	0.0271	0.5568	0.0944	0.6513	0.1656	0.0904	0.2560		2,935.3132	2,935.3132	0.2547		2,941.6813
Worker	1.7327	1.1780	15.2016	0.0449	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,476.3348	4,476.3348	0.1185		4,479.2982
Total	2.7397	34.7101	23.3519	0.1242	5.5463	0.2055	5.7518	1.5085	0.1956	1.7041		13,197.4758	13,197.4758	0.9777		13,221.9184

3.8 Phase 1: Excavation - 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	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.0621	1,765.0621	0.5585		1,779.0233
Total	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.0621	1,765.0621	0.5585		1,779.0233

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	0.5526	19.7049	4.7239	0.0516	1.9601	0.0757	2.0357	0.5139	0.0724	0.5863		5,734.1476	5,734.1476	0.5986		5,749.1127

Vendor	0.4012	12.1423	3.2098	0.0269	0.6837	0.0820	0.7657	0.1968	0.0785	0.2752		2,920.7669	2,920.7669	0.2466		2,926.9312
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.5487	32.8930	21.7397	0.1222	6.9695	0.1866	7.1561	1.8578	0.1775	2.0353		13,013.0774	13,013.0774	0.9523		13,036.8855

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	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,765.0621	1,765.0621	0.5585		1,779.0233
Total	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,765.0621	1,765.0621	0.5585		1,779.0233

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	0.5526	19.7049	4.7239	0.0516	1.5229	0.0757	1.5986	0.4066	0.0724	0.4790		5,734.1476	5,734.1476	0.5986		5,749.1127
Vendor	0.4012	12.1423	3.2098	0.0269	0.5568	0.0820	0.6388	0.1656	0.0785	0.2441		2,920.7669	2,920.7669	0.2466		2,926.9312
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.5487	32.8930	21.7397	0.1222	5.4277	0.1866	5.6142	1.4794	0.1775	1.6568		13,013.0774	13,013.0774	0.9523		13,036.8855

3.9 Phase 1: Foundation - 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	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.5253	3,486.5253	0.4240		3,497.1253
Total	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.5253	3,486.5253	0.4240		3,497.1253

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	0.5930	21.1467	5.0696	0.0554	1.2423	0.0812	1.3235	0.3401	0.0777	0.4178		6,153.7193	6,153.7193	0.6424		6,169.7795
Vendor	0.3974	12.0289	3.1798	0.0266	0.6773	0.0813	0.7586	0.1949	0.0777	0.2727		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.5854	34.2213	22.0553	0.1257	6.2453	0.1914	6.4367	1.6822	0.1820	1.8642		13,405.3523	13,405.3523	0.9938		13,430.1978

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	0.8669	17.8445	21.8956	0.0375		1.1299	1.1299		1.1299	1.1299	0.0000	3,486.5253	3,486.5253	0.4240		3,497.1253
Total	0.8669	17.8445	21.8956	0.0375		1.1299	1.1299		1.1299	1.1299	0.0000	3,486.5253	3,486.5253	0.4240		3,497.1253

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	0.5930	21.1467	5.0696	0.0554	0.9970	0.0812	1.0782	0.2799	0.0777	0.3576		6,153.7193	6,153.7193	0.6424		6,169.7795
Vendor	0.3974	12.0289	3.1798	0.0266	0.5516	0.0813	0.6329	0.1641	0.0777	0.2418		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.5854	34.2213	22.0553	0.1257	4.8966	0.1914	5.0880	1.3512	0.1820	1.5332		13,405.3523	13,405.3523	0.9938		13,430.1978

3.10 Phase 1: Structural Concrete - 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	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.5665	3,417.5665	0.4168		3,427.9876

Total	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.5665	3,417.5665	0.4168		3,427.9876
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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	0.3974	12.0289	3.1798	0.0266	0.6773	0.0813	0.7586	0.1949	0.0777	0.2727		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	1.9924	13.0746	16.9857	0.0704	5.0030	0.1102	5.1132	1.3421	0.1044	1.4465		7,251.6329	7,251.6329	0.3514		7,260.4183

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	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876
Total	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876

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	0.3974	12.0289	3.1798	0.0266	0.5516	0.0813	0.6329	0.1641	0.0777	0.2418		2,893.4700	2,893.4700	0.2443		2,899.5767
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	1.9924	13.0746	16.9857	0.0704	3.8996	0.1102	4.0097	1.0713	0.1044	1.1756		7,251.6329	7,251.6329	0.3514		7,260.4183

3.10 Phase 1: Structural Concrete - 2020

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	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.1435	3,405.1435	0.3917		3,414.9359
Total	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.1435	3,405.1435	0.3917		3,414.9359

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
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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	0.3386	11.0428	2.9146	0.0264	0.6773	0.0576	0.7349	0.1949	0.0551	0.2500	2,873.9667	2,873.9667	0.2324		2,879.7777
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736	4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8258	11.9798	15.5822	0.0687	5.0030	0.0862	5.0892	1.3421	0.0815	1.4236	7,092.4355	7,092.4355	0.3286		7,100.6506

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	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,405.1435	3,405.1435	0.3917		3,414.9359
Total	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,405.1435	3,405.1435	0.3917		3,414.9359

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	0.3386	11.0428	2.9146	0.0264	0.5516	0.0576	0.6092	0.1640	0.0551	0.2192	2,873.9667	2,873.9667	0.2324			2,879.7777

Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8258	11.9798	15.5822	0.0687	3.8995	0.0862	3.9858	1.0713	0.0815	1.1527		7,092.4355	7,092.4355	0.3286		7,100.6506

3.11 Phase 1: Rough Interior Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365			48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365			48.9768	48.9768	0.0155		49.3642

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	0.4274	12.9367	3.4198	0.0286	0.7284	0.0874	0.8158	0.2096	0.0836	0.2932		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	5.0542	0.1163	5.1705	1.3568	0.1102	1.4671		7,470.0080	7,470.0080	0.3699		7,479.2543

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.4274	12.9367	3.4198	0.0286	0.5932	0.0874	0.6806	0.1764	0.0836	0.2600		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	3.9412	0.1163	4.0575	1.0836	0.1102	1.1939		7,470.0080	7,470.0080	0.3699		7,479.2543

3.11 Phase 1: Rough Interior Fit Out - 2020

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
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Category	lb/day										lb/day					
Off-Road	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962

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	0.3642	11.8763	3.1346	0.0284	0.7284	0.0620	0.7904	0.2096	0.0593	0.2689		3,090.8698	3,090.8698	0.2500		3,097.1194
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8514	12.8132	15.8021	0.0707	5.0541	0.0906	5.1447	1.3568	0.0856	1.4424		7,309.3386	7,309.3386	0.3461		7,317.9923

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3642	11.8763	3.1346	0.0284	0.5932	0.0620	0.6552	0.1764	0.0593	0.2357		3,090.8698	3,090.8698	0.2500		3,097.1194
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8514	12.8132	15.8021	0.0707	3.9412	0.0906	4.0317	1.0836	0.0856	1.1693		7,309.3386	7,309.3386	0.3461		7,317.9923

3.12 Phase 1: Interior Finish Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642

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	0.4274	12.9367	3.4198	0.0286	0.7284	0.0874	0.8158	0.2096	0.0836	0.2932		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	5.0542	0.1163	5.1705	1.3568	0.1102	1.4671		7,470.0080	7,470.0080	0.3699		7,479.2543

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.0000	0.0000
Vendor	0.4274	12.9367	3.4198	0.0286	0.5932	0.0874	0.6806	0.1764	0.0836	0.2600		3,111.8451	3,111.8451	0.2627		3,118.4126
Worker	1.5950	1.0458	13.8059	0.0437	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,358.1630	4,358.1630	0.1072		4,360.8416
Total	2.0224	13.9825	17.2257	0.0724	3.9412	0.1163	4.0575	1.0836	0.1102	1.1939		7,470.0080	7,470.0080	0.3699		7,479.2543

3.12 Phase 1: Interior Finish Fit Out - 2020

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962

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	0.3642	11.8763	3.1346	0.0284	0.7284	0.0620	0.7904	0.2096	0.0593	0.2689		3,090.8698	3,090.8698	0.2500		3,097.1194
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729

Total	1.8514	12.8132	15.8021	0.0707	5.0541	0.0906	5.1447	1.3568	0.0856	1.4424		7,309.3386	7,309.3386	0.3461		7,317.9923
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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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3642	11.8763	3.1346	0.0284	0.5932	0.0620	0.6552	0.1764	0.0593	0.2357		3,090.8698	3,090.8698	0.2500		3,097.1194
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	1.8514	12.8132	15.8021	0.0707	3.9412	0.0906	4.0317	1.0836	0.0856	1.1693		7,309.3386	7,309.3386	0.3461		7,317.9923

3.13 Phase 1: Landscaping/ TCO/ Punchlist - 2020

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	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511
Total	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511

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	0.2050	7.4635	1.8858	0.0208	0.4726	0.0242	0.4968	0.1294	0.0231	0.1525		2,315.4428	2,315.4428	0.2400		2,321.4432
Vendor	0.3450	11.2512	2.9696	0.0269	0.6900	0.0587	0.7488	0.1986	0.0562	0.2547		2,928.1925	2,928.1925	0.2368		2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.0372	19.6516	17.5230	0.0900	5.4884	0.1115	5.5999	1.4752	0.1056	1.5808		9,462.1041	9,462.1041	0.5730		9,476.4292

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	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	1,954.6546	1,954.6546	0.5399		1,968.1511
Total	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	1,954.6546	1,954.6546	0.5399		1,968.1511

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	0.2050	7.4635	1.8858	0.0208	0.3793	0.0242	0.4035	0.1065	0.0231	0.1296		2,315.4428	2,315.4428	0.2400		2,321.4432
Vendor	0.3450	11.2512	2.9696	0.0269	0.5620	0.0587	0.6207	0.1671	0.0562	0.2233		2,928.1925	2,928.1925	0.2368		2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.0372	19.6516	17.5230	0.0900	4.2892	0.1115	4.4007	1.1808	0.1056	1.2864		9,462.1041	9,462.1041	0.5730		9,476.4292

3.14 Phase 2: Site Demolition/ Clearing - 2020

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					1.3637	0.0000	1.3637	0.2065	0.0000	0.2065			0.0000			0.0000
Off-Road	2.8102	24.3333	27.9113	0.0432		1.4583	1.4583		1.3970	1.3970		4,139.1683	4,139.1683	0.8458		4,160.3131
Total	2.8102	24.3333	27.9113	0.0432	1.3637	1.4583	2.8220	0.2065	1.3970	1.6035		4,139.1683	4,139.1683	0.8458		4,160.3131

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	0.0474	1.7248	0.4358	4.8000e-003	0.1092	5.5800e-003	0.1148	0.0299	5.3400e-003	0.0352		535.1000	535.1000	0.0555		536.4866
Vendor	6.3900e-003	0.2084	0.0550	5.0000e-004	0.0128	1.0900e-003	0.0139	3.6800e-003	1.0400e-003	4.7200e-003		54.2258	54.2258	4.3900e-003		54.3354
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		272.5109	272.5109	6.2100e-003		272.6662
Total	0.1498	1.9937	1.3091	8.0300e-003	0.4014	8.5200e-003	0.4100	0.1077	8.0800e-003	0.1158		861.8366	861.8366	0.0661		863.4883

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	lb/day										lb/day					
Fugitive Dust					0.5830	0.0000	0.5830	0.0883	0.0000	0.0883			0.0000			0.0000
Off-Road	0.9668	21.1846	29.8080	0.0432		1.3774	1.3774		1.3774	1.3774	0.0000	4,139.1683	4,139.1683	0.8458		4,160.3131
Total	0.9668	21.1846	29.8080	0.0432	0.5830	1.3774	1.9604	0.0883	1.3774	1.4656	0.0000	4,139.1683	4,139.1683	0.8458		4,160.3131

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	0.0474	1.7248	0.4358	4.8000e-003	0.0877	5.5800e-003	0.0932	0.0246	5.3400e-003	0.0300		535.1000	535.1000	0.0555		536.4866
Vendor	6.3900e-003	0.2084	0.0550	5.0000e-004	0.0104	1.0900e-003	0.0115	3.1000e-003	1.0400e-003	4.1400e-003		54.2258	54.2258	4.3900e-003		54.3354
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		272.5109	272.5109	6.2100e-003		272.6662
Total	0.1498	1.9937	1.3091	8.0300e-003	0.3144	8.5200e-003	0.3229	0.0863	8.0800e-003	0.0944		861.8366	861.8366	0.0661		863.4883

3.15 Phase 2: Shoring - 2020

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					0.3997	0.0000	0.3997	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	3.1846	30.2741	20.3334	0.0536		1.2759	1.2759		1.1947	1.1947		5,070.9701	5,070.9701	1.5308		5,109.2388
Total	3.1846	30.2741	20.3334	0.0536	0.3997	1.2759	1.6756	0.0605	1.1947	1.2552		5,070.9701	5,070.9701	1.5308		5,109.2388

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	0.3335	12.1445	3.0686	0.0338	0.7690	0.0393	0.8083	0.2105	0.0376	0.2481		3,767.6723	3,767.6723	0.3906		3,777.4360

Vendor	9.5800e-003	0.3125	0.0825	7.5000e-004	0.0192	1.6300e-003	0.0208	5.5200e-003	1.5600e-003	7.0800e-003		81.3387	81.3387	6.5800e-003		81.5031
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		272.5109	272.5109	6.2100e-003		272.6662
Total	0.4392	12.5175	3.9694	0.0373	1.0676	0.0428	1.1104	0.2902	0.0409	0.3310		4,121.5219	4,121.5219	0.4033		4,131.6054

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					0.1709	0.0000	0.1709	0.0259	0.0000	0.0259			0.0000				0.0000
Off-Road	1.4547	27.5863	30.5198	0.0536		1.2722	1.2722		1.2722	1.2722	0.0000	5,070.9701	5,070.9701	1.5308			5,109.2388
Total	1.4547	27.5863	30.5198	0.0536	0.1709	1.2722	1.4431	0.0259	1.2722	1.2981	0.0000	5,070.9701	5,070.9701	1.5308			5,109.2388

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	0.3335	12.1445	3.0686	0.0338	0.6172	0.0393	0.6565	0.1733	0.0376	0.2109		3,767.6723	3,767.6723	0.3906			3,777.4360
Vendor	9.5800e-003	0.3125	0.0825	7.5000e-004	0.0156	1.6300e-003	0.0172	4.6400e-003	1.5600e-003	6.2000e-003		81.3387	81.3387	6.5800e-003			81.5031
Worker	0.0961	0.0605	0.8183	2.7300e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		272.5109	272.5109	6.2100e-003			272.6662
Total	0.4392	12.5175	3.9694	0.0373	0.8491	0.0428	0.8919	0.2365	0.0409	0.2774		4,121.5219	4,121.5219	0.4033			4,131.6054

3.16 Phase 2: Excavation - 2020

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	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656		3,633.0244
Total	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656		3,633.0244

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	0.4190	15.2576	3.8552	0.0425	0.9661	0.0494	1.0155	0.2645	0.0473	0.3117		4,733.4794	4,733.4794	0.4907		4,745.7459
Vendor	0.3450	11.2512	2.9696	0.0269	0.6900	0.0587	0.7488	0.1986	0.0562	0.2547		2,928.1925	2,928.1925	0.2368		2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.2512	27.4457	19.4924	0.1117	5.9819	0.1367	6.1186	1.6103	0.1298	1.7400		11,880.1406	11,880.1406	0.8237		11,900.7319

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	0.9139	19.0889	28.1792	0.0372		1.1234	1.1234		1.1234	1.1234	0.0000	3,603.8852	3,603.8852	1.1656		3,633.0244
Total	0.9139	19.0889	28.1792	0.0372		1.1234	1.1234		1.1234	1.1234	0.0000	3,603.8852	3,603.8852	1.1656		3,633.0244

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	0.4190	15.2576	3.8552	0.0425	0.7754	0.0494	0.8248	0.2177	0.0473	0.2649		4,733.4794	4,733.4794	0.4907		4,745.7459
Vendor	0.3450	11.2512	2.9696	0.0269	0.5620	0.0587	0.6207	0.1671	0.0562	0.2233		2,928.1925	2,928.1925	0.2368		2,934.1132
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.2512	27.4457	19.4924	0.1117	4.6853	0.1367	4.8220	1.2920	0.1298	1.4218		11,880.1406	11,880.1406	0.8237		11,900.7319

3.17 Phase 2: Foundation - 2020

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	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.2698	7,150.2698	0.8187		7,170.7370

Total	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.2698	7,150.2698	0.8187		7,170.7370
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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	0.4095	14.9108	3.7676	0.0415	1.6611	0.0483	1.7094	0.4345	0.0462	0.4806		4,625.9003	4,625.9003	0.4795		4,637.8880
Vendor	0.3386	11.0428	2.9146	0.0264	0.6773	0.0576	0.7349	0.1949	0.0551	0.2500		2,873.9667	2,873.9667	0.2324		2,879.7777
Worker	1.4872	0.9369	12.6675	0.0423	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.2353	26.8906	19.3498	0.1102	6.6642	0.1345	6.7987	1.7766	0.1277	1.9042		11,718.3357	11,718.3357	0.8081		11,738.5386

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	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370
Total	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370

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	0.4095	14.9108	3.7676	0.0415	1.2883	0.0483	1.3366	0.3429	0.0462	0.3891		4,625.9003	4,625.9003	0.4795		4,637.8880
Vendor	0.3386	11.0428	2.9146	0.0264	0.5516	0.0576	0.6092	0.1640	0.0551	0.2192		2,873.9667	2,873.9667	0.2324		2,879.7777
Worker	1.4872	0.9369	12.6675	0.0423	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		4,218.4688	4,218.4688	0.0962		4,220.8729
Total	2.2353	26.8906	19.3498	0.1102	5.1879	0.1345	5.3224	1.4142	0.1277	1.5418		11,718.3357	11,718.3357	0.8081		11,738.5386

3.17 Phase 2: Foundation - 2021

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	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320
Total	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320

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
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Category	lb/day										lb/day				
Hauling	0.3906	13.7854	3.7871	0.0409	1.6611	0.0433	1.7044	0.4344	0.0414	0.4759	4,569.2867	4,569.2867	0.4737		4,581.1301
Vendor	0.2829	9.9443	2.6969	0.0261	0.6772	0.0207	0.6979	0.1949	0.0198	0.2146	2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730	4,071.9914	4,071.9914	0.0872		4,074.1713
Total	2.0702	24.5749	18.2383	0.1079	6.6641	0.0920	6.7560	1.7765	0.0870	1.8635	11,490.4786	11,490.4786	0.7844		11,510.0873

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	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320
Total	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320

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	0.3906	13.7854	3.7871	0.0409	1.2883	0.0433	1.3316	0.3429	0.0414	0.3844	4,569.2867	4,569.2867	0.4737		4,581.1301	
Vendor	0.2829	9.9443	2.6969	0.0261	0.5515	0.0207	0.5722	0.1640	0.0198	0.1838	2,849.2005	2,849.2005	0.2234		2,854.7859	

Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	2.0702	24.5749	18.2383	0.1079	5.1878	0.0920	5.2797	1.4142	0.0870	1.5011		11,490.4786	11,490.4786	0.7844		11,510.0873

3.18 Phase 2: Structural Concrete - 2021

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	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.2549	7,012.2549	0.7641		7,031.3565
Total	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.2549	7,012.2549	0.7641		7,031.3565

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	0.2829	9.9443	2.6969	0.0261	0.6772	0.0207	0.6979	0.1949	0.0198	0.2146		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	5.0030	0.0487	5.0517	1.3421	0.0455	1.3876		6,921.1919	6,921.1919	0.3106		6,928.9573

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	1.7339	35.6891	43.7912	0.0759		2.2597	2.2597		2.2597	2.2597	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564
Total	1.7339	35.6891	43.7912	0.0759		2.2597	2.2597		2.2597	2.2597	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564

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	0.2829	9.9443	2.6969	0.0261	0.5515	0.0207	0.5722	0.1640	0.0198	0.1838		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	3.8995	0.0487	3.9482	1.0712	0.0455	1.1168		6,921.1919	6,921.1919	0.3106		6,928.9573

3.19 Phase 2: Rough Interior Fit Out - 2021

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
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Category	lb/day										lb/day					
Off-Road	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819
Total	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819

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	0.3255	11.4453	3.1040	0.0301	0.7795	0.0238	0.8032	0.2243	0.0227	0.2470		3,279.2685	3,279.2685	0.2571		3,285.6970
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.7224	12.2905	14.8583	0.0709	5.1052	0.0518	5.1570	1.3715	0.0485	1.4200		7,351.2599	7,351.2599	0.3443		7,359.8683

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	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.2622	299.2622	0.0968		301.6819
Total	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.2622	299.2622	0.0968		301.6819

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	0.3255	11.4453	3.1040	0.0301	0.6348	0.0238	0.6586	0.1888	0.0227	0.2115		3,279.2685	3,279.2685	0.2571		3,285.6970
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.7224	12.2905	14.8583	0.0709	3.9828	0.0518	4.0345	1.0960	0.0485	1.1445		7,351.2599	7,351.2599	0.3443		7,359.8683

3.19 Phase 2: Rough Interior Fit Out - 2022

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	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845
Total	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845

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	0.3061	10.8281	2.9972	0.0298	0.7795	0.0207	0.8001	0.2243	0.0198	0.2441		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	5.1052	0.0481	5.1533	1.3715	0.0451	1.4166		7,168.1506	7,168.1506	0.3283		7,176.3577

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	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.1656	299.1656	0.0968		301.5845
Total	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.1656	299.1656	0.0968		301.5845

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	0.0000	0.0000
Vendor	0.3061	10.8281	2.9972	0.0298	0.6348	0.0207	0.6555	0.1888	0.0198	0.2086		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	3.9827	0.0481	4.0309	1.0960	0.0451	1.1411		7,168.1506	7,168.1506	0.3283		7,176.3577

3.20 Phase 2: Interior Finish Fit Out - 2021

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	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590
Total	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590

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	0.3255	11.4453	3.1040	0.0301	0.7795	0.0238	0.8032	0.2243	0.0227	0.2470		3,279.2685	3,279.2685	0.2571		3,285.6970
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713

Total	1.7224	12.2905	14.8583	0.0709	5.1052	0.0518	5.1570	1.3715	0.0485	1.4200		7,351.2599	7,351.2599	0.3443		7,359.8683
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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	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	95.7845	95.7845	0.0310		96.5590
Total	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	95.7845	95.7845	0.0310		96.5590

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	0.3255	11.4453	3.1040	0.0301	0.6348	0.0238	0.6586	0.1888	0.0227	0.2115		3,279.2685	3,279.2685	0.2571		3,285.6970
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.7224	12.2905	14.8583	0.0709	3.9828	0.0518	4.0345	1.0960	0.0485	1.1445		7,351.2599	7,351.2599	0.3443		7,359.8683

3.20 Phase 2: Interior Finish Fit Out - 2022

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	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150
Total	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150

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	0.3061	10.8281	2.9972	0.0298	0.7795	0.0207	0.8001	0.2243	0.0198	0.2441		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	5.1052	0.0481	5.1533	1.3715	0.0451	1.4166		7,168.1506	7,168.1506	0.3283		7,176.3577

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	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	96.0384	96.0384	0.0311		96.8150
Total	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	96.0384	96.0384	0.0311		96.8150

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	0.3061	10.8281	2.9972	0.0298	0.6348	0.0207	0.6555	0.1888	0.0198	0.2086		3,247.0619	3,247.0619	0.2491		3,253.2890
Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.6262	11.5938	13.9678	0.0691	3.9827	0.0481	4.0309	1.0960	0.0451	1.1411		7,168.1506	7,168.1506	0.3283		7,176.3577

3.21 Phase 3: Site Demolition/ Clearing - 2021

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					0.8153	0.0000	0.8153	0.1234	0.0000	0.1234			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.8153	1.5513	2.3666	0.1234	1.4411	1.5645		3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0274	0.9660	0.2654	2.8700e-003	0.0662	3.0400e-003	0.0692	0.0181	2.9000e-003	0.0210		320.1948	320.1948	0.0332		321.0247
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	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0815	0.9988	0.7210	4.4500e-003	0.2338	4.1300e-003	0.2379	0.0626	3.9000e-003	0.0665		478.0239	478.0239	0.0366		478.9383

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					0.3485	0.0000	0.3485	0.0528	0.0000	0.0528			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.9246	18.3130	24.6739	0.0388	0.3485	0.8627	1.2113	0.0528	0.8627	0.9155	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0274	0.9660	0.2654	2.8700e-003	0.0531	3.0400e-003	0.0561	0.0149	2.9000e-003	0.0178		320.1948	320.1948	0.0332		321.0247
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	0.0541	0.0328	0.4556	1.5800e-003	0.1298	1.0900e-003	0.1309	0.0352	1.0000e-003	0.0362		157.8291	157.8291	3.3800e-003		157.9136
Total	0.0815	0.9988	0.7210	4.4500e-003	0.1829	4.1300e-003	0.1870	0.0501	3.9000e-003	0.0540		478.0239	478.0239	0.0366		478.9383

3.22 Phase 3: Grading - 2021

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.6656	50.7509	35.9758	0.0705		2.2229	2.2229		2.0585	2.0585		6,818.1406	6,818.1406	2.0354		6,869.0260
Total	4.6656	50.7509	35.9758	0.0705	8.6733	2.2229	10.8963	3.5965	2.0585	5.6550		6,818.1406	6,818.1406	2.0354		6,869.0260

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	0.2829	9.9443	2.6969	0.0261	0.6772	0.0207	0.6979	0.1949	0.0198	0.2146		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	5.0030	0.0487	5.0517	1.3421	0.0455	1.3876		6,921.1919	6,921.1919	0.3106		6,928.9573

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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	1.7021	34.0661	42.2428	0.0705		1.5859	1.5859		1.5859	1.5859	0.0000	6,818.1406	6,818.1406	2.0354		6,869.0259
Total	1.7021	34.0661	42.2428	0.0705	3.7079	1.5859	5.2937	1.5375	1.5859	3.1234	0.0000	6,818.1406	6,818.1406	2.0354		6,869.0259

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	0.2829	9.9443	2.6969	0.0261	0.5515	0.0207	0.5722	0.1640	0.0198	0.1838		2,849.2005	2,849.2005	0.2234		2,854.7859
Worker	1.3968	0.8452	11.7543	0.0408	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		4,071.9914	4,071.9914	0.0872		4,074.1713
Total	1.6797	10.7895	14.4513	0.0670	3.8995	0.0487	3.9482	1.0712	0.0455	1.1168		6,921.1919	6,921.1919	0.3106		6,928.9573

3.22 Phase 3: Grading - 2022

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.0578	42.8190	34.1162	0.0706		1.8381	1.8381		1.7028	1.7028		6,822.7195	6,822.7195	2.0347		6,873.5871
Total	4.0578	42.8190	34.1162	0.0706	8.6733	1.8381	10.5115	3.5965	1.7028	5.2993		6,822.7195	6,822.7195	2.0347		6,873.5871

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	0.2659	9.4080	2.6041	0.0258	0.6772	0.0180	0.6952	0.1949	0.0172	0.2121		2,821.2177	2,821.2177	0.2164		2,826.6282
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.5860	10.1737	13.5747	0.0652	5.0030	0.0454	5.0484	1.3421	0.0425	1.3846		6,742.3064	6,742.3064	0.2956		6,749.6968

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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	1.7021	34.0661	42.2428	0.0706		1.5859	1.5859		1.5859	1.5859	0.0000	6,822.7195	6,822.7195	2.0347		6,873.5871
Total	1.7021	34.0661	42.2428	0.0706	3.7079	1.5859	5.2937	1.5375	1.5859	3.1234	0.0000	6,822.7195	6,822.7195	2.0347		6,873.5871

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	0.2659	9.4080	2.6041	0.0258	0.5515	0.0180	0.5695	0.1640	0.0172	0.1812		2,821.2177	2,821.2177	0.2164		2,826.6282
Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.5860	10.1737	13.5747	0.0652	3.8995	0.0454	3.9449	1.0712	0.0425	1.1137		6,742.3064	6,742.3064	0.2956		6,749.6968

3.23 Phase 3: Reconfigure Parking Lot - 2022

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	0.7559	6.9709	9.1038	0.0144		0.3657	0.3657		0.3430	0.3430		1,385.2782	1,385.2782	0.3753		1,394.6613

Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7858	6.9709	9.1038	0.0144		0.3657	0.3657		0.3430	0.3430		1,385.2782	1,385.2782	0.3753		1,394.6613

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	0.2627	0.1524	2.1828	7.8200e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		780.1650	780.1650	0.0158		780.5589
Total	0.2627	0.1524	2.1828	7.8200e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		780.1650	780.1650	0.0158		780.5589

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	0.3399	7.0046	10.4803	0.0144		0.3998	0.3998		0.3998	0.3998	0.0000	1,385.2782	1,385.2782	0.3753		1,394.6613
Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3697	7.0046	10.4803	0.0144		0.3998	0.3998		0.3998	0.3998	0.0000	1,385.2782	1,385.2782	0.3753		1,394.6613

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	0.2627	0.1524	2.1828	7.8200e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		780.1650	780.1650	0.0158		780.5589
Total	0.2627	0.1524	2.1828	7.8200e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		780.1650	780.1650	0.0158		780.5589

3.24 Phase 2: Landscaping/ TCO/ Punchlist - 2022

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	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520
Total	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520

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
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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	0.2760	9.7630	2.7024	0.0268	0.7028	0.0187	0.7214	0.2022	0.0178	0.2201	2,927.6787	2,927.6787	0.2246	2,933.2934	
Worker	1.3201	0.7657	10.9706	0.0393	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725	3,921.0888	3,921.0888	0.0792	3,923.0686	
Total	1.5961	10.5288	13.6730	0.0661	5.0285	0.0461	5.0746	1.3495	0.0431	1.3926	6,848.7675	6,848.7675	0.3038	6,856.3620	

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	0.9570	19.5886	23.5805	0.0406		0.9708	0.9708		0.9708	0.9708	0.0000	3,910.9766	3,910.9766	1.0710		3,937.7520
Total	0.9570	19.5886	23.5805	0.0406		0.9708	0.9708		0.9708	0.9708	0.0000	3,910.9766	3,910.9766	1.0710		3,937.7520

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	0.2760	9.7630	2.7024	0.0268	0.5723	0.0187	0.5910	0.1702	0.0178	0.1881	2,927.6787	2,927.6787	0.2246	2,933.2934		

Worker	1.3201	0.7657	10.9706	0.0393	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,921.0888	3,921.0888	0.0792		3,923.0686
Total	1.5961	10.5288	13.6730	0.0661	3.9203	0.0461	3.9664	1.0774	0.0431	1.1205		6,848.7675	6,848.7675	0.3038		6,856.3620

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

	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	1.6602	6.4146	20.6918	0.0789	7.1387	0.0568	7.1955	1.9090	0.0528	1.9618		8,017.0095	8,017.0095	0.3244		8,025.1194
Unmitigated	1.7681	7.0370	23.7133	0.0923	8.4146	0.0658	8.4804	2.2502	0.0612	2.3114		9,380.4068	9,380.4068	0.3732		9,389.7358

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,086.80	1,086.80	1,086.80	3,713,761	3,150,619
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	132.96	132.96	132.96	252,969	214,610
Total	1,219.76	1,219.76	1,219.76	3,966,730	3,365,228

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C- M	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Condo/Townhouse High Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
NaturalGas Unmitigated	0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

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					
City Park	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
Condo/Townhouse High Rise	10005.5	0.1079	0.9221	0.3924	5.8900e-003		0.0746	0.0746		0.0746	0.0746		1,177.1233	1,177.1233	0.0226	0.0216	1,184.1183
Enclosed Parking with Elevator	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
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
Strip Mall	16.5205	1.8000e-004	1.6200e-003	1.3600e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.9436	1.9436	4.0000e-005	4.0000e-005	1.9551
Total		0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

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					
City Park	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
Condo/Townhouse High Rise	8.30417	0.0896	0.7653	0.3257	4.8800e-003		0.0619	0.0619		0.0619	0.0619		976.9614	976.9614	0.0187	0.0179	982.7670
Enclosed Parking with Elevator	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
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
Strip Mall	0.0143112	1.5000e-004	1.4000e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6837	1.6837	3.0000e-005	3.0000e-005	1.6937

Total		0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
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6.0 Area Detail

6.1 Mitigation Measures Area

	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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Unmitigated	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982

Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
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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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982
Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

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

Koll Center Residences - Orange County, Winter

**Koll Center Residences
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	490.00	Space	4.41	196,000.00	0
Parking Lot	119.00	Space	1.07	47,600.00	0
City Park	1.00	Acre	1.19	43,560.00	0
Condo/Townhouse High Rise	260.00	Dwelling Unit	3.41	260,000.00	744
Strip Mall	3.00	1000sqft	0.06	3,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Data provided from project.
- Land Use - Acreage adjusted per Project Applicant.
- Construction Phase - Adjusted per Project Applicant.
- Off-road Equipment -
- Off-road Equipment - Adjusted per Project Applicant.
- Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

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Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Paving Equipment

Off-road Equipment -

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Trips and VMT - Vendor trips account for crew and foreman trucks. Soil export to span duration of Phases A, 1, and 2

Demolition -

Grading - Construction export included in project description.

Vehicle Trips - Adjusted per Traffic Report.

Woodstoves - No wood burning devices per Rule 445.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive Dust mitigation per Rule 403.

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Off-road Equipment - Equipment.

Architectural Coating -

Area Coating - Adjusted to match parking area.

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	14616	25824
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	94.00
tblConstructionPhase	NumDays	300.00	219.00
tblConstructionPhase	NumDays	300.00	219.00
tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	300.00	21.00
tblConstructionPhase	NumDays	300.00	43.00
tblConstructionPhase	NumDays	300.00	44.00
tblConstructionPhase	NumDays	300.00	218.00
tblConstructionPhase	NumDays	300.00	217.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	30.00	94.00
tblConstructionPhase	NumDays	300.00	130.00
tblConstructionPhase	NumDays	300.00	23.00
tblConstructionPhase	NumDays	300.00	44.00
tblConstructionPhase	NumDays	300.00	41.00
tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	30.00	12.00

tblConstructionPhase	NumDays	30.00	152.00
tblConstructionPhase	NumDays	30.00	11.00
tblConstructionPhase	PhaseEndDate	4/15/2026	7/5/2022
tblConstructionPhase	PhaseEndDate	6/8/2021	4/30/2020
tblConstructionPhase	PhaseEndDate	4/11/2022	7/31/2020
tblConstructionPhase	PhaseEndDate	4/11/2023	12/6/2021
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tblConstructionPhase	PhaseEndDate	9/8/2023	2/1/2021
tblConstructionPhase	PhaseEndDate	7/10/2024	3/2/2022
tblConstructionPhase	PhaseEndDate	5/9/2025	6/2/2022
tblConstructionPhase	PhaseEndDate	6/11/2025	7/5/2022
tblConstructionPhase	PhaseEndDate	11/12/2025	2/23/2022
tblConstructionPhase	PhaseEndDate	5/3/2019	9/30/2018
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tblConstructionPhase	PhaseEndDate	8/6/2019	1/31/2019
tblConstructionPhase	PhaseEndDate	10/2/2019	3/31/2019
tblConstructionPhase	PhaseEndDate	8/5/2020	1/31/2020
tblConstructionPhase	PhaseEndDate	3/2/2018	9/15/2020
tblConstructionPhase	PhaseEndDate	3/2/2018	10/14/2021
tblConstructionPhase	PhaseEndDate	2/15/2018	11/15/2018
tblConstructionPhase	PhaseEndDate	11/2/2018	10/1/2020
tblConstructionPhase	PhaseEndDate	10/2/2018	8/31/2018
tblConstructionPhase	PhaseEndDate	10/17/2018	11/30/2018
tblConstructionPhase	PhaseStartDate	11/13/2025	2/24/2022
tblConstructionPhase	PhaseStartDate	8/6/2020	7/1/2019
tblConstructionPhase	PhaseStartDate	6/9/2021	10/1/2019
tblConstructionPhase	PhaseStartDate	4/12/2022	2/2/2021
tblConstructionPhase	PhaseStartDate	4/12/2023	8/1/2020
tblConstructionPhase	PhaseStartDate	5/11/2023	10/2/2020

tblConstructionPhase	PhaseStartDate	7/11/2023	12/2/2020
tblConstructionPhase	PhaseStartDate	9/9/2023	5/2/2021
tblConstructionPhase	PhaseStartDate	7/11/2024	8/4/2021
tblConstructionPhase	PhaseStartDate	5/10/2025	6/3/2022
tblConstructionPhase	PhaseStartDate	6/12/2025	10/15/2021
tblConstructionPhase	PhaseStartDate	11/3/2018	4/1/2018
tblConstructionPhase	PhaseStartDate	5/4/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	6/6/2019	12/1/2018
tblConstructionPhase	PhaseStartDate	8/7/2019	2/1/2019
tblConstructionPhase	PhaseStartDate	10/3/2019	4/1/2019
tblConstructionPhase	PhaseStartDate	2/16/2018	9/1/2020
tblConstructionPhase	PhaseStartDate	3/3/2018	10/1/2021
tblConstructionPhase	PhaseStartDate	2/1/2018	11/1/2018
tblConstructionPhase	PhaseStartDate	10/18/2018	9/16/2020
tblConstructionPhase	PhaseStartDate	3/3/2018	2/1/2018
tblConstructionPhase	PhaseStartDate	10/3/2018	11/16/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	221.00	234.00
tblFireplaces	NumberWood	13.00	0.00
tblGrading	MaterialExported	0.00	42,414.00
tblGrading	MaterialExported	0.00	24,139.00
tblGrading	MaterialExported	0.00	52,000.00
tblLandUse	LotAcreage	1.00	1.19
tblLandUse	LotAcreage	4.06	3.41
tblLandUse	LotAcreage	0.07	0.06
tblOffRoadEquipment	HorsePower	46.00	78.00
tblOffRoadEquipment	HorsePower	9.00	172.00
tblOffRoadEquipment	HorsePower	9.00	172.00
tblOffRoadEquipment	HorsePower	172.00	49.00
tblOffRoadEquipment	HorsePower	172.00	49.00

tblOffRoadEquipment	HorsePower	172.00	49.00
tblOffRoadEquipment	HorsePower	172.00	49.00
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tblOffRoadEquipment	LoadFactor	0.56	0.42
tblOffRoadEquipment	LoadFactor	0.56	0.42
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblTripsAndVMT	HaulingTripNumber	0.00	570.00
tblTripsAndVMT	HaulingTripNumber	5,302.00	530.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,386.00

tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	25.00	387.00
tblTripsAndVMT	WorkerTripNumber	10.00	77.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	4.18
tblVehicleTrips	ST_TR	42.04	44.32
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	4.18
tblVehicleTrips	SU_TR	20.43	44.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	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
Year	lb/day										lb/day					
2018	5.2208	47.1326	35.1447	0.1382	7.1298	1.2691	8.0245	1.8972	1.2094	2.7270	0.0000	14,596.6338	14,596.6338	1.5606	0.0000	14,635.6483
2019	10.0517	66.4352	71.2261	0.2436	15.1114	1.8155	16.9269	4.0558	1.7707	5.8264	0.0000	24,785.4141	24,785.4141	1.5630	0.0000	24,824.4878

2020	9.1711	74.0243	66.7193	0.2388	15.1113	2.6462	16.6620	4.0558	2.6037	5.5680	0.0000	24,311.2484	24,311.2484	2.0078	0.0000	24,347.8814
2021	17.9820	142.2941	136.7659	0.4148	28.8898	4.7550	33.6448	9.0237	4.5320	13.5557	0.0000	41,587.0215	41,587.0215	4.2623	0.0000	41,693.5791
2022	9.8200	78.9772	76.7646	0.2695	23.8867	2.1399	26.0265	7.6816	1.9827	9.6643	0.0000	27,427.5745	27,427.5745	3.1322	0.0000	27,505.8782
Maximum	17.9820	142.2941	136.7659	0.4148	28.8898	4.7550	33.6448	9.0237	4.5320	13.5557	0.0000	41,587.0215	41,587.0215	4.2623	0.0000	41,693.5791

Mitigated Construction

	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
Year	lb/day										lb/day					
2018	5.2208	47.1326	35.1447	0.1382	5.5463	1.2691	6.4411	1.5085	1.2094	2.3970	0.0000	14,596.6338	14,596.6338	1.5606	0.0000	14,635.6483
2019	10.0517	66.4352	71.2261	0.2436	11.7819	1.8155	13.5975	3.2385	1.7707	5.0092	0.0000	24,785.4141	24,785.4141	1.5630	0.0000	24,824.4878
2020	9.1711	74.0243	66.7193	0.2388	11.7818	2.6462	13.3326	3.2385	2.6037	4.7508	0.0000	24,311.2484	24,311.2484	2.0078	0.0000	24,347.8814
2021	17.9820	142.2941	136.7659	0.4148	19.4724	4.7550	24.2274	5.8720	4.5320	10.4040	0.0000	41,587.0215	41,587.0215	4.2623	0.0000	41,693.5791
2022	9.8200	78.9772	76.7646	0.2695	15.5728	2.1399	17.7127	4.8007	1.9827	6.7835	0.0000	27,427.5745	27,427.5745	3.1322	0.0000	27,505.8782
Maximum	17.9820	142.2941	136.7659	0.4148	19.4724	4.7550	24.2274	5.8720	4.5320	10.4040	0.0000	41,587.0215	41,587.0215	4.2623	0.0000	41,693.5791

	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	28.82	0.00	25.64	30.16	0.00	21.42	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational
Unmitigated Operational**

1	Phase A: Site Clearing/ Excavation	Demolition	1/1/2018	1/31/2018	5	23
2	Phase A: Concrete	Grading	2/1/2018	8/31/2018	5	152
3	Phase A: Rough/ Finish	Building Construction	4/1/2018	9/30/2018	5	130
4	Phase A: Landscaping/ TCO/ Punchlist	Building Construction	10/1/2018	10/31/2018	5	23
5	Phase 1: Site Demolition/ Clearing	Demolition	11/1/2018	11/15/2018	5	11
6	Phase 1: Shoring	Grading	11/16/2018	11/30/2018	5	11
7	Phase 1: Excavation	Building Construction	12/1/2018	1/31/2019	5	44
8	Phase 1: Foundation	Building Construction	2/1/2019	3/31/2019	5	41
9	Phase 1: Structural Concrete	Building Construction	4/1/2019	1/31/2020	5	220
10	Phase 1: Rough Interior Fit Out	Building Construction	7/1/2019	4/30/2020	5	219
11	Phase 1: Interior Finish Fit Out	Building Construction	10/1/2019	7/31/2020	5	219
12	Phase 1: Landscaping/ TCO/ Punchlist	Building Construction	8/1/2020	8/31/2020	5	21
13	Phase 2: Site Demolition/ Clearing	Demolition	9/1/2020	9/15/2020	5	11
14	Phase 2: Shoring	Grading	9/16/2020	10/1/2020	5	12
15	Phase 2: Excavation	Building Construction	10/2/2020	12/1/2020	5	43
16	Phase 2: Foundation	Building Construction	12/2/2020	2/1/2021	5	44
17	Phase 2: Structural Concrete	Building Construction	2/2/2021	12/6/2021	5	220
18	Phase 2: Rough Interior Fit Out	Building Construction	5/2/2021	3/2/2022	5	218
19	Phase 2: Interior Finish Fit Out	Building Construction	8/4/2021	6/2/2022	5	217
20	Phase 3: Site Demolition/ Clearing	Demolition	10/1/2021	10/14/2021	5	10
21	Phase 3: Grading	Grading	10/15/2021	2/23/2022	5	94
22	Phase 3: Reconfigure Parking Lot	Paving	2/24/2022	7/5/2022	5	94
23	Phase 2: Landscaping/ TCO/ Punchlist	Building Construction	6/3/2022	7/5/2022	5	23

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.48

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase A: Site Clearing/ Excavation	Air Compressors	1	8.00	78	0.48
Phase A: Site Clearing/ Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Phase A: Site Clearing/ Excavation	Excavators	1	8.00	158	0.38
Phase A: Site Clearing/ Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Site Clearing/ Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1: Site Demolition/ Clearing	Air Compressors	1	8.00	78	0.48
Phase 1: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1: Site Demolition/ Clearing	Excavators	1	8.00	158	0.38
Phase 1: Site Demolition/ Clearing	Pavers	0	8.00	130	0.42
Phase 1: Site Demolition/ Clearing	Paving Equipment	0	8.00	132	0.36
Phase 1: Site Demolition/ Clearing	Rollers	0	8.00	80	0.38
Phase 1: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Site Demolition/ Clearing	Air Compressors	2	8.00	78	0.48
Phase 2: Site Demolition/ Clearing	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 2: Site Demolition/ Clearing	Excavators	2	8.00	158	0.38
Phase 2: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 3: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 3: Site Demolition/ Clearing	Excavators	3	8.00	158	0.38
Phase 3: Site Demolition/ Clearing	Rubber Tired Dozers	2	8.00	247	0.40
Phase A: Concrete	Air Compressors	1	8.00	78	0.48
Phase A: Concrete	Excavators	0	8.00	158	0.38
Phase A: Concrete	Generator Sets	1	8.00	84	0.74
Phase A: Concrete	Graders	0	8.00	187	0.41
Phase A: Concrete	Off-Highway Trucks	2	8.00	402	0.38
Phase A: Concrete	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Concrete	Scrapers	0	8.00	367	0.48
Phase A: Concrete	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Phase 1: Shoring	Air Compressors	0	6.00	78	0.48
Phase 1: Shoring	Bore/Drill Rigs	2	8.00	221	0.50
Phase 1: Shoring	Cranes	1	8.00	231	0.29
Phase 1: Shoring	Excavators	0	8.00	158	0.38
Phase 1: Shoring	Graders	0	8.00	187	0.41
Phase 1: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Shoring	Scrapers	0	8.00	367	0.48
Phase 1: Shoring	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Shoring	Welders	2	8.00	46	0.45
Phase 2: Shoring	Bore/Drill Rigs	3	8.00	221	0.50
Phase 2: Shoring	Cranes	2	8.00	231	0.29
Phase 2: Shoring	Excavators	0	8.00	158	0.38
Phase 2: Shoring	Graders	0	8.00	187	0.41
Phase 2: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Shoring	Scrapers	0	8.00	367	0.48
Phase 2: Shoring	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Shoring	Welders	3	8.00	46	0.45
Phase A: Rough/ Finish	Cranes	0	7.00	231	0.29
Phase A: Rough/ Finish	Excavators	0	8.00	158	0.38
Phase A: Rough/ Finish	Forklifts	0	8.00	89	0.20
Phase A: Rough/ Finish	Generator Sets	0	8.00	84	0.74
Phase A: Rough/ Finish	Graders	0	8.00	187	0.41
Phase A: Rough/ Finish	Other Construction Equipment	1	2.00	49	0.42
Phase A: Rough/ Finish	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Rough/ Finish	Scrapers	0	8.00	367	0.48
Phase A: Rough/ Finish	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Phase A: Rough/ Finish	Welders	0	8.00	46	0.45
Phase A: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase A: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase A: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20

Phase A: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase A: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase A: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase A: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45
Phase 1: Excavation	Cranes	0	7.00	231	0.29
Phase 1: Excavation	Excavators	2	8.00	158	0.38
Phase 1: Excavation	Forklifts	0	8.00	89	0.20
Phase 1: Excavation	Generator Sets	0	8.00	84	0.74
Phase 1: Excavation	Skid Steer Loaders	1	8.00	65	0.37
Phase 1: Excavation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Phase 1: Excavation	Welders	0	8.00	46	0.45
Phase 1: Foundation	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Foundation	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Foundation	Cranes	1	8.00	231	0.29
Phase 1: Foundation	Forklifts	0	8.00	89	0.20
Phase 1: Foundation	Generator Sets	0	8.00	84	0.74
Phase 1: Foundation	Plate Compactors	2	8.00	8	0.43
Phase 1: Foundation	Pumps	2	8.00	84	0.74
Phase 1: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Foundation	Welders	2	8.00	46	0.45
Phase 1: Structural Concrete	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Structural Concrete	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Structural Concrete	Cranes	1	8.00	231	0.29
Phase 1: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 1: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 1: Structural Concrete	Pumps	2	8.00	84	0.74
Phase 1: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Structural Concrete	Welders	2	8.00	46	0.45
Phase 1: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20

Phase 1: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Rough Interior Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 1: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 1: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Interior Finish Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 1: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase 1: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 1: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 1: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 1: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase 1: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Landscaping/ TCO/ Punchlist	Welders	0	8.00	78	0.48
Phase 2: Excavation	Cranes	0	7.00	231	0.29
Phase 2: Excavation	Excavators	4	8.00	158	0.38
Phase 2: Excavation	Forklifts	0	8.00	89	0.20
Phase 2: Excavation	Generator Sets	0	8.00	84	0.74
Phase 2: Excavation	Skid Steer Loaders	2	8.00	65	0.37
Phase 2: Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2: Excavation	Welders	0	8.00	46	0.45
Phase 2: Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Foundation	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Foundation	Cranes	2	8.00	231	0.29
Phase 2: Foundation	Forklifts	0	8.00	89	0.20
Phase 2: Foundation	Generator Sets	0	8.00	84	0.74
Phase 2: Foundation	Plate Compactors	4	8.00	8	0.43

Phase 2: Foundation	Pumps	4	8.00	84	0.74
Phase 2: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Foundation	Welders	4	8.00	46	0.45
Phase 2: Structural Concrete	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Structural Concrete	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Structural Concrete	Cranes	2	8.00	231	0.29
Phase 2: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 2: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 2: Structural Concrete	Pumps	4	8.00	84	0.74
Phase 2: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Structural Concrete	Welders	4	8.00	46	0.45
Phase 2: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Rough Interior Fit Out	Other Construction Equipment	2	2.00	172	0.42
Phase 2: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 2: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Interior Finish Fit Out	Other Construction Equipment	2	2.00	49	0.42
Phase 2: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 2: Landscaping/ TCO/ Punchlist	Air Compressors	2	8.00	78	0.48
Phase 2: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 2: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 2: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 2: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	2	8.00	402	0.38
Phase 2: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45

Phase 3: Grading	Cranes	0	7.00	231	0.29
Phase 3: Grading	Forklifts	0	8.00	89	0.20
Phase 3: Grading	Generator Sets	1	8.00	84	0.74
Phase 3: Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3: Grading	Welders	0	8.00	46	0.45
Phase 3: Reconfigure Parking Lot	Air Compressors	1	6.00	78	0.48
Phase 3: Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 3: Reconfigure Parking Lot	Pavers	1	8.00	130	0.42
Phase 3: Reconfigure Parking Lot	Rollers	1	8.00	80	0.38
Phase 3: Reconfigure Parking Lot	Paving Equipment	1	8.00	132	0.36
Phase 3: Grading	Excavators	2	8.00	158	0.38
Phase 3: Grading	Graders	1	8.00	187	0.41
Phase 3: Grading	Scrapers	2	8.00	367	0.48

Trips and VMT

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
Phase A: Site Clearing/Excavation	5	13.00	0.00	39.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Site Demolition/Clearing	5	13.00	1.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Site Demolition/Clearing	10	25.00	2.00	69.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Site Demolition/Clearing	6	15.00	0.00	38.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Concrete	4	10.00	1.00	3,017.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Shoring	6	15.00	1.00	650.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Shoring	10	25.00	3.00	530.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Rough/Finish	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Landscaping/TCO/Punchlist	3	387.00	107.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Excavation	5	387.00	107.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Foundation	11	387.00	106.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Structural Concrete	9	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Rough Interior Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Phase 1: Interior Finish Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Landscaping/ TCO/ Punchlist	3	387.00	108.00	570.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Excavation	10	387.00	108.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Foundation	22	387.00	106.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Structural Concrete	18	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Rough Interior Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Interior Finish Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Landscaping/ TCO/ Punchlist	6	387.00	110.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Grading	10	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Reconfigure Parking Lot	4	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Phase A: Site Clearing/ Excavation - 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					0.3675	0.0000	0.3675	0.0556	0.0000	0.0556			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.066 3	2,113.0663	0.4380		2,124.017 4
Total	1.7389	14.9446	14.1455	0.0216	0.3675	0.9905	1.3580	0.0556	0.9486	1.0043		2,113.066 3	2,113.0663	0.4380		2,124.017 4

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	0.0150	0.5368	0.1281	1.3100e-003	0.0295	2.1500e-003	0.0317	8.0800e-003	2.0600e-003	0.0101		145.4120	145.4120	0.0158		145.8078
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	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0806	0.5803	0.6022	2.7400e-003	0.1748	3.1100e-003	0.1780	0.0466	2.9400e-003	0.0496		287.7356	287.7356	0.0196		288.2261

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					0.1571	0.0000	0.1571	0.0238	0.0000	0.0238			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	0.1571	0.9905	1.1476	0.0238	0.9486	0.9724	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0150	0.5368	0.1281	1.3100e-003	0.0237	2.1500e-003	0.0259	6.6500e-003	2.0600e-003	8.7100e-003		145.4120	145.4120	0.0158		145.8078
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	0.0656	0.0435	0.4741	1.4300e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0806	0.5803	0.6022	2.7400e-003	0.1362	3.1100e-003	0.1393	0.0371	2.9400e-003	0.0401		287.7356	287.7356	0.0196		288.2261

3.3 Phase A: Concrete - 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					0.0180	0.0000	0.0180	2.7200e-003	0.0000	2.7200e-003			0.0000			0.0000
Off-Road	2.4502	23.4377	14.6228	0.0370		1.0705	1.0705		1.0219	1.0219		3,657.5315	3,657.5315	0.9085		3,680.2430
Total	2.4502	23.4377	14.6228	0.0370	0.0180	1.0705	1.0884	2.7200e-003	1.0219	1.0246		3,657.5315	3,657.5315	0.9085		3,680.2430

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	0.1760	6.2839	1.4996	0.0154	0.3457	0.0252	0.3709	0.0946	0.0241	0.1187		1,702.1392	1,702.1392	0.1854		1,706.7731

Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	6.3900e-003	9.0000e-004	7.2900e-003	1.8400e-003	8.6000e-004	2.7000e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0504	0.0335	0.3647	1.1000e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.4797	109.4797	2.9100e-003		109.5525
Total	0.2306	6.4368	1.8994	0.0167	0.4638	0.0269	0.4907	0.1261	0.0257	0.1518		1,838.3904	1,838.3904	0.1908		1,843.1598

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					7.6800e-003	0.0000	7.6800e-003	1.1600e-003	0.0000	1.1600e-003			0.0000			0.0000
Off-Road	2.4502	23.4377	14.6228	0.0370		1.0705	1.0705		1.0219	1.0219	0.0000	3,657.5315	3,657.5315	0.9085		3,680.2430
Total	2.4502	23.4377	14.6228	0.0370	7.6800e-003	1.0705	1.0782	1.1600e-003	1.0219	1.0230	0.0000	3,657.5315	3,657.5315	0.9085		3,680.2430

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	0.1760	6.2839	1.4996	0.0154	0.2774	0.0252	0.3026	0.0779	0.0241	0.1020		1,702.1392	1,702.1392	0.1854		1,706.7731
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	5.2000e-003	9.0000e-004	6.1000e-003	1.5500e-003	8.6000e-004	2.4100e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0504	0.0335	0.3647	1.1000e-003	0.0865	7.4000e-004	0.0873	0.0234	6.8000e-004	0.0241		109.4797	109.4797	2.9100e-003		109.5525
Total	0.2306	6.4368	1.8994	0.0167	0.3691	0.0269	0.3960	0.1029	0.0257	0.1285		1,838.3904	1,838.3904	0.1908		1,843.1598

3.4 Phase A: Rough/ Finish - 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	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375			49.8120	49.8120	0.0155		50.1996
Total	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375			49.8120	49.8120	0.0155		50.1996

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	0.4818	13.6212	4.0051	0.0282	0.7284	0.1025	0.8309	0.2096	0.0980	0.3077			3,051.9480	3,051.9480	0.2861		3,059.1001
Worker	1.9521	1.2950	14.1146	0.0425	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735			4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.4339	14.9162	18.1197	0.0707	5.0542	0.1310	5.1852	1.3568	0.1244	1.4812			7,288.8138	7,288.8138	0.3987		7,298.7818

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	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375	0.0000	49.8120	49.8120	0.0155		50.1996
Total	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375	0.0000	49.8120	49.8120	0.0155		50.1996

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	0.4818	13.6212	4.0051	0.0282	0.5932	0.1025	0.6957	0.1764	0.0980	0.2745		3,051.9480	3,051.9480	0.2861		3,059.1001
Worker	1.9521	1.2950	14.1146	0.0425	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.4339	14.9162	18.1197	0.0707	3.9412	0.1310	4.0722	1.0837	0.1244	1.2080		7,288.8138	7,288.8138	0.3987		7,298.7818

3.5 Phase A: Landscaping/ TCO/ Punchlist - 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	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307

Total	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307
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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	0.4522	12.7848	3.7592	0.0264	0.6837	0.0962	0.7799	0.1968	0.0920	0.2888		2,864.5477	2,864.5477	0.2685		2,871.2606
Worker	1.9521	1.2950	14.1146	0.0425	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.4044	14.0798	17.8738	0.0689	5.0095	0.1247	5.1342	1.3440	0.1183	1.4623		7,101.4134	7,101.4134	0.3812		7,110.9423

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	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517	0.0000	2,017.6568	2,017.6568	0.5470		2,031.3307
Total	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517	0.0000	2,017.6568	2,017.6568	0.5470		2,031.3307

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	0.4522	12.7848	3.7592	0.0264	0.5568	0.0962	0.6530	0.1656	0.0920	0.2576		2,864.5477	2,864.5477	0.2685		2,871.2606
Worker	1.9521	1.2950	14.1146	0.0425	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.4044	14.0798	17.8738	0.0689	3.9048	0.1247	4.0295	1.0728	0.1183	1.1911		7,101.4134	7,101.4134	0.3812		7,110.9423

3.6 Phase 1: Site Demolition/ Clearing - 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					1.7236	0.0000	1.7236	0.2610	0.0000	0.2610			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	1.7236	0.9905	2.7141	0.2610	0.9486	1.2096		2,113.0663	2,113.0663	0.4380		2,124.0174

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
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Category	lb/day										lb/day					
	Hauling	0.0709	2.5327	0.6044	6.1900e-003	0.1393	0.0102	0.1495	0.0381	9.7200e-003	0.0479		686.0462	686.0462	0.0747	
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	6.3900e-003	9.0000e-004	7.2900e-003	1.8400e-003	8.6000e-004	2.7000e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.1407	2.6957	1.1137	7.8700e-003	0.2910	0.0120	0.3030	0.0785	0.0115	0.0900		855.1413	855.1413	0.0810		857.1663

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					0.7368	0.0000	0.7368	0.1116	0.0000	0.1116			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	0.7368	0.9905	1.7273	0.1116	0.9486	1.0602	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0709	2.5327	0.6044	6.1900e-003	0.1118	0.0102	0.1220	0.0314	9.7200e-003	0.0411		686.0462	686.0462	0.0747		687.9139
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	5.2000e-003	9.0000e-004	6.1000e-003	1.5500e-003	8.6000e-004	2.4100e-003		26.7715	26.7715	2.5100e-003		26.8342

Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		142.3237	142.3237	3.7800e-003		142.4183
Total	0.1407	2.6957	1.1137	7.8700e-003	0.2295	0.0120	0.2415	0.0634	0.0115	0.0749		855.1413	855.1413	0.0810		857.1663

3.7 Phase 1: Shoring - 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					0.5346	0.0000	0.5346	0.0810	0.0000	0.0810			0.0000			0.0000
Off-Road	2.3227	21.2066	12.7600	0.0328		0.9457	0.9457		0.8883	0.8883		3,197.0362	3,197.0362	0.9457		3,220.6784
Total	2.3227	21.2066	12.7600	0.0328	0.5346	0.9457	1.4803	0.0810	0.8883	0.9692		3,197.0362	3,197.0362	0.9457		3,220.6784

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	0.5238	18.7074	4.4643	0.0457	1.0291	0.0750	1.1041	0.2817	0.0718	0.3535		5,067.3864	5,067.3864	0.5518		5,081.1819
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	6.3900e-003	9.0000e-004	7.2900e-003	1.8400e-003	8.6000e-004	2.7000e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0757	0.0502	0.5471	1.6500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		164.2196	164.2196	4.3700e-003		164.3288
Total	0.6037	18.8771	5.0465	0.0476	1.2031	0.0771	1.2801	0.3280	0.0737	0.4017		5,258.3774	5,258.3774	0.5587		5,272.3449

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					0.2285	0.0000	0.2285	0.0346	0.0000	0.0346			0.0000			0.0000
Off-Road	2.3227	21.2066	12.7600	0.0328		0.9457	0.9457		0.8883	0.8883	0.0000	3,197.0362	3,197.0362	0.9457		3,220.6784
Total	2.3227	21.2066	12.7600	0.0328	0.2285	0.9457	1.1743	0.0346	0.8883	0.9229	0.0000	3,197.0362	3,197.0362	0.9457		3,220.6784

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	0.5238	18.7074	4.4643	0.0457	0.8259	0.0750	0.9010	0.2319	0.0718	0.3037		5,067.3864	5,067.3864	0.5518		5,081.1819
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	5.2000e-003	9.0000e-004	6.1000e-003	1.5500e-003	8.6000e-004	2.4100e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0757	0.0502	0.5471	1.6500e-003	0.1298	1.1100e-003	0.1309	0.0352	1.0200e-003	0.0362		164.2196	164.2196	4.3700e-003		164.3288
Total	0.6037	18.8771	5.0465	0.0476	0.9609	0.0771	1.0379	0.2686	0.0737	0.3422		5,258.3774	5,258.3774	0.5587		5,272.3449

3.8 Phase 1: Excavation - 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
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Category	lb/day										lb/day				
Off-Road	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308	1,794.4107	1,794.4107	0.5586		1,808.3763
Total	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308	1,794.4107	1,794.4107	0.5586		1,808.3763

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	0.5893	21.0459	5.0223	0.0514	2.1203	0.0844	2.2047	0.5532	0.0808	0.6340		5,700.8097	5,700.8097	0.6208		5,716.3296
Vendor	0.4522	12.7848	3.7592	0.0264	0.6837	0.0962	0.7799	0.1968	0.0920	0.2888		2,864.5477	2,864.5477	0.2685		2,871.2606
Worker	1.9521	1.2950	14.1146	0.0425	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.9937	35.1256	22.8961	0.1204	7.1298	0.2092	7.3389	1.8972	0.1991	2.0963		12,802.2231	12,802.2231	1.0020		12,827.2720

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	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308	0.0000	1,794.4107	1,794.4107	0.5586		1,808.3763
Total	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308	0.0000	1,794.4107	1,794.4107	0.5586		1,808.3763

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	0.5893	21.0459	5.0223	0.0514	1.6415	0.0844	1.7259	0.4357	0.0808	0.5165		5,700.8097	5,700.8097	0.6208		5,716.3296
Vendor	0.4522	12.7848	3.7592	0.0264	0.5568	0.0962	0.6530	0.1656	0.0920	0.2576		2,864.5477	2,864.5477	0.2685		2,871.2606
Worker	1.9521	1.2950	14.1146	0.0425	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.9937	35.1256	22.8961	0.1204	5.5463	0.2092	5.7554	1.5085	0.1991	1.7076		12,802.2231	12,802.2231	1.0020		12,827.2720

3.8 Phase 1: Excavation - 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	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.0621	1,765.0621	0.5585		1,779.0233
Total	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.0621	1,765.0621	0.5585		1,779.0233

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	0.5671	19.9639	5.0010	0.0508	1.9601	0.0773	2.0374	0.5139	0.0740	0.5879		5,649.175 2	5,649.1752	0.6140		5,664.525 4
Vendor	0.4183	12.1551	3.5242	0.0262	0.6837	0.0836	0.7672	0.1968	0.0799	0.2767		2,849.999 9	2,849.9999	0.2596		2,856.489 3
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.544 2	4,124.5442	0.1016		4,127.084 7
Total	2.7847	33.2685	21.3070	0.1184	6.9695	0.1898	7.1593	1.8578	0.1805	2.0384		12,623.71 93	12,623.719 3	0.9752		12,648.09 93

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	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367	0.0000	1,765.062 1	1,765.0621	0.5585		1,779.023 3
Total	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367	0.0000	1,765.062 1	1,765.0621	0.5585		1,779.023 3

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	0.5671	19.9639	5.0010	0.0508	1.5229	0.0773	1.6002	0.4066	0.0740	0.4806		5,649.175 2	5,649.1752	0.6140		5,664.525 4
Vendor	0.4183	12.1551	3.5242	0.0262	0.5568	0.0836	0.6403	0.1656	0.0799	0.2455		2,849.999 9	2,849.9999	0.2596		2,856.489 3
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.544 2	4,124.5442	0.1016		4,127.084 7
Total	2.7847	33.2685	21.3070	0.1184	5.4277	0.1898	5.6174	1.4794	0.1805	1.6599		12,623.71 93	12,623.719 3	0.9752		12,648.09 93

3.9 Phase 1: Foundation - 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	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.525 3	3,486.5253	0.4240		3,497.125 3
Total	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.525 3	3,486.5253	0.4240		3,497.125 3

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	0.6086	21.4247	5.3669	0.0545	1.2423	0.0830	1.3253	0.3401	0.0794	0.4195		6,062.529 5	6,062.5295	0.6589		6,079.002 8
Vendor	0.4144	12.0415	3.4912	0.0260	0.6773	0.0828	0.7601	0.1949	0.0792	0.2741		2,823.364 4	2,823.3644	0.2572		2,829.793 1
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.544 2	4,124.5442	0.1016		4,127.084 7

Total	2.8223	34.6157	21.6400	0.1219	6.2453	0.1947	6.4400	1.6822	0.1852	1.8674		13,010.43	13,010.438	1.0177		13,035.88
												81	1			06

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	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878	0.0000	3,486.5253	3,486.5253	0.4240		3,497.1253
Total	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878	0.0000	3,486.5253	3,486.5253	0.4240		3,497.1253

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	0.6086	21.4247	5.3669	0.0545	0.9970	0.0830	1.0800	0.2799	0.0794	0.3593		6,062.5295	6,062.5295	0.6589		6,079.0028
Vendor	0.4144	12.0415	3.4912	0.0260	0.5516	0.0828	0.6344	0.1641	0.0792	0.2432		2,823.3644	2,823.3644	0.2572		2,829.7931
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.8223	34.6157	21.6400	0.1219	4.8966	0.1947	5.0913	1.3512	0.1852	1.5364		13,010.43	13,010.438	1.0177		13,035.88
												81	1			06

3.10 Phase 1: Structural Concrete - 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	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.5665	3,417.5665	0.4168		3,427.9876
Total	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.5665	3,417.5665	0.4168		3,427.9876

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	0.4144	12.0415	3.4912	0.0260	0.6773	0.0828	0.7601	0.1949	0.0792	0.2741		2,823.3644	2,823.3644	0.2572		2,829.7931
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2137	13.1910	16.2731	0.0674	5.0030	0.1117	5.1147	1.3421	0.1058	1.4479		6,947.9086	6,947.9086	0.3588		6,956.8778

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	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876
Total	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876

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	0.4144	12.0415	3.4912	0.0260	0.5516	0.0828	0.6344	0.1641	0.0792	0.2432		2,823.3644	2,823.3644	0.2572		2,829.7931
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2137	13.1910	16.2731	0.0674	3.8996	0.1117	4.0112	1.0713	0.1058	1.1771		6,947.9086	6,947.9086	0.3588		6,956.8778

3.10 Phase 1: Structural Concrete - 2020

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	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.1435	3,405.1435	0.3917		3,414.9359
Total	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.1435	3,405.1435	0.3917		3,414.9359

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	0.3536	11.0392	3.1947	0.0258	0.6773	0.0586	0.7359	0.1949	0.0561	0.2510		2,803.3400	2,803.3400	0.2442			2,809.4443
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911			3,994.6511
Total	2.0343	12.0689	14.9029	0.0658	5.0030	0.0872	5.0902	1.3421	0.0824	1.4245		6,795.7139	6,795.7139	0.3353			6,804.0954

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	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890	0.0000	3,405.1435	3,405.1435	0.3917			3,414.9359
Total	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890	0.0000	3,405.1435	3,405.1435	0.3917			3,414.9359

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	0.3536	11.0392	3.1947	0.0258	0.5516	0.0586	0.6102	0.1640	0.0561	0.2201		2,803.3400	2,803.3400	0.2442		2,809.4443
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0343	12.0689	14.9029	0.0658	3.8995	0.0872	3.9867	1.0713	0.0824	1.1537		6,795.7139	6,795.7139	0.3353		6,804.0954

3.11 Phase 1: Rough Interior Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642

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	0.4457	12.9503	3.7547	0.0280	0.7284	0.0890	0.8174	0.2096	0.0852	0.2948		3,036.4485	3,036.4485	0.2766		3,043.3624
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2450	14.0998	16.5366	0.0693	5.0542	0.1179	5.1721	1.3568	0.1118	1.4686		7,160.9927	7,160.9927	0.3782		7,170.4471

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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.4457	12.9503	3.7547	0.0280	0.5932	0.0890	0.6822	0.1764	0.0852	0.2616		3,036.4485	3,036.4485	0.2766		3,043.3624
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2450	14.0998	16.5366	0.0693	3.9412	0.1179	4.0591	1.0836	0.1118	1.1954		7,160.9927	7,160.9927	0.3782		7,170.4471

3.11 Phase 1: Rough Interior Fit Out - 2020

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962

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	0.3803	11.8723	3.4358	0.0277	0.7284	0.0630	0.7914	0.2096	0.0603	0.2699		3,014.9129	3,014.9129	0.2626		3,021.4778
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0610	12.9020	15.1440	0.0678	5.0541	0.0916	5.1458	1.3568	0.0866	1.4435		7,007.2867	7,007.2867	0.3537		7,016.1289

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3803	11.8723	3.4358	0.0277	0.5932	0.0630	0.6562	0.1764	0.0603	0.2367		3,014.9129	3,014.9129	0.2626		3,021.4778
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0610	12.9020	15.1440	0.0678	3.9412	0.0916	4.0328	1.0836	0.0866	1.1703		7,007.2867	7,007.2867	0.3537		7,016.1289

3.12 Phase 1: Interior Finish Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642

Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642
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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	0.4457	12.9503	3.7547	0.0280	0.7284	0.0890	0.8174	0.2096	0.0852	0.2948		3,036.4485	3,036.4485	0.2766		3,043.3624
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2450	14.0998	16.5366	0.0693	5.0542	0.1179	5.1721	1.3568	0.1118	1.4686		7,160.9927	7,160.9927	0.3782		7,170.4471

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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.4457	12.9503	3.7547	0.0280	0.5932	0.0890	0.6822	0.1764	0.0852	0.2616		3,036.4485	3,036.4485	0.2766		3,043.3624
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2450	14.0998	16.5366	0.0693	3.9412	0.1179	4.0591	1.0836	0.1118	1.1954		7,160.9927	7,160.9927	0.3782		7,170.4471

3.12 Phase 1: Interior Finish Fit Out - 2020

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962

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
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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	0.0000
Vendor	0.3803	11.8723	3.4358	0.0277	0.7284	0.0630	0.7914	0.2096	0.0603	0.2699	3,014.9129	3,014.9129	0.2626		3,021.4778
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736	3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0610	12.9020	15.1440	0.0678	5.0541	0.0916	5.1458	1.3568	0.0866	1.4435	7,007.2867	7,007.2867	0.3537		7,016.1289

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3803	11.8723	3.4358	0.0277	0.5932	0.0630	0.6562	0.1764	0.0603	0.2367	3,014.9129	3,014.9129	0.2626			3,021.4778

Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0610	12.9020	15.1440	0.0678	3.9412	0.0916	4.0328	1.0836	0.0866	1.1703		7,007.2867	7,007.2867	0.3537		7,016.1289

3.13 Phase 1: Landscaping/ TCO/ Punchlist - 2020

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	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511
Total	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511

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	0.2101	7.5574	1.9855	0.0205	0.4726	0.0246	0.4972	0.1294	0.0235	0.1529		2,280.4884	2,280.4884	0.2457		2,286.6313
Vendor	0.3603	11.2474	3.2550	0.0263	0.6900	0.0597	0.7498	0.1986	0.0571	0.2557		2,856.2332	2,856.2332	0.2488		2,862.4527
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.2510	19.8345	16.9487	0.0868	5.4884	0.1129	5.6013	1.4752	0.1070	1.5822		9,129.0954	9,129.0954	0.5856		9,143.7351

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	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823	0.0000	1,954.6546	1,954.6546	0.5399		1,968.1511
Total	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823	0.0000	1,954.6546	1,954.6546	0.5399		1,968.1511

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	0.2101	7.5574	1.9855	0.0205	0.3793	0.0246	0.4039	0.1065	0.0235	0.1300		2,280.4884	2,280.4884	0.2457		2,286.6313
Vendor	0.3603	11.2474	3.2550	0.0263	0.5620	0.0597	0.6217	0.1671	0.0571	0.2243		2,856.2332	2,856.2332	0.2488		2,862.4527
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.2510	19.8345	16.9487	0.0868	4.2892	0.1129	4.4022	1.1808	0.1070	1.2878		9,129.0954	9,129.0954	0.5856		9,143.7351

3.14 Phase 2: Site Demolition/ Clearing - 2020

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
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Category	lb/day										lb/day					
Fugitive Dust					1.3637	0.0000	1.3637	0.2065	0.0000	0.2065			0.0000			0.0000
Off-Road	2.8102	24.3333	27.9113	0.0432		1.4583	1.4583		1.3970	1.3970	4,139.1683	4,139.1683	0.8458			4,160.3131
Total	2.8102	24.3333	27.9113	0.0432	1.3637	1.4583	2.8220	0.2065	1.3970	1.6035	4,139.1683	4,139.1683	0.8458			4,160.3131

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	0.0486	1.7465	0.4589	4.7300e-003	0.1092	5.6900e-003	0.1149	0.0299	5.4400e-003	0.0353		527.0220	527.0220	0.0568		528.4416
Vendor	6.6700e-003	0.2083	0.0603	4.9000e-004	0.0128	1.1100e-003	0.0139	3.6800e-003	1.0600e-003	4.7400e-003		52.8932	52.8932	4.6100e-003		53.0084
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		257.9053	257.9053	5.8800e-003		258.0524
Total	0.1638	2.0213	1.2755	7.8100e-003	0.4014	8.6500e-003	0.4101	0.1077	8.2000e-003	0.1159		837.8205	837.8205	0.0673		839.5024

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					0.5830	0.0000	0.5830	0.0883	0.0000	0.0883			0.0000			0.0000
Off-Road	2.8102	24.3333	27.9113	0.0432		1.4583	1.4583		1.3970	1.3970	0.0000	4,139.1683	4,139.1683	0.8458		4,160.3131

Total	2.8102	24.3333	27.9113	0.0432	0.5830	1.4583	2.0413	0.0883	1.3970	1.4853	0.0000	4,139.1683	4,139.1683	0.8458		4,160.3131
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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	0.0486	1.7465	0.4589	4.7300e-003	0.0877	5.6900e-003	0.0933	0.0246	5.4400e-003	0.0301		527.0220	527.0220	0.0568		528.4416
Vendor	6.6700e-003	0.2083	0.0603	4.9000e-004	0.0104	1.1100e-003	0.0115	3.1000e-003	1.0600e-003	4.1500e-003		52.8932	52.8932	4.6100e-003		53.0084
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		257.9053	257.9053	5.8800e-003		258.0524
Total	0.1638	2.0213	1.2755	7.8100e-003	0.3144	8.6500e-003	0.3230	0.0863	8.2000e-003	0.0945		837.8205	837.8205	0.0673		839.5024

3.15 Phase 2: Shoring - 2020

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					0.3997	0.0000	0.3997	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	3.1846	30.2741	20.3334	0.0536		1.2759	1.2759		1.1947	1.1947		5,070.9701	5,070.9701	1.5308		5,109.2388
Total	3.1846	30.2741	20.3334	0.0536	0.3997	1.2759	1.6756	0.0605	1.1947	1.2552		5,070.9701	5,070.9701	1.5308		5,109.2388

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	0.3418	12.2974	3.2309	0.0333	0.7690	0.0400	0.8091	0.2105	0.0383	0.2488		3,710.7946	3,710.7946	0.3998		3,720.7905
Vendor	0.0100	0.3124	0.0904	7.3000e-004	0.0192	1.6600e-003	0.0208	5.5200e-003	1.5900e-003	7.1000e-003		79.3398	79.3398	6.9100e-003		79.5126
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		257.9053	257.9053	5.8800e-003		258.0524
Total	0.4604	12.6763	4.0776	0.0366	1.0676	0.0436	1.1112	0.2902	0.0416	0.3317		4,048.0397	4,048.0397	0.4126		4,058.3554

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					0.1709	0.0000	0.1709	0.0259	0.0000	0.0259			0.0000			0.0000
Off-Road	3.1846	30.2741	20.3334	0.0536		1.2759	1.2759		1.1947	1.1947	0.0000	5,070.9701	5,070.9701	1.5308		5,109.2388
Total	3.1846	30.2741	20.3334	0.0536	0.1709	1.2759	1.4468	0.0259	1.1947	1.2206	0.0000	5,070.9701	5,070.9701	1.5308		5,109.2388

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	0.3418	12.2974	3.2309	0.0333	0.6172	0.0400	0.6572	0.1733	0.0383	0.2116		3,710.7946	3,710.7946	0.3998		3,720.7905
Vendor	0.0100	0.3124	0.0904	7.3000e-004	0.0156	1.6600e-003	0.0173	4.6400e-003	1.5900e-003	6.2300e-003		79.3398	79.3398	6.9100e-003		79.5126
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		257.9053	257.9053	5.8800e-003		258.0524
Total	0.4604	12.6763	4.0776	0.0366	0.8491	0.0436	0.8926	0.2365	0.0416	0.2781		4,048.0397	4,048.0397	0.4126		4,058.3554

3.16 Phase 2: Excavation - 2020

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	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656			3,633.0244
Total	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656			3,633.0244

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	0.4294	15.4497	4.0591	0.0418	0.9661	0.0503	1.0165	0.2645	0.0481	0.3126		4,662.0216	4,662.0216	0.5023		4,674.5798
Vendor	0.3603	11.2474	3.2550	0.0263	0.6900	0.0597	0.7498	0.1986	0.0571	0.2557		2,856.2332	2,856.2332	0.2488		2,862.4527
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511

Total	2.4704	27.7268	19.0222	0.1081	5.9819	0.1386	6.1206	1.6103	0.1316	1.7419		11,510.62	11,510.628	0.8422		11,531.68
												87	7			35

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	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046	0.0000	3,603.8852	3,603.8852	1.1656		3,633.0244
Total	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046	0.0000	3,603.8852	3,603.8852	1.1656		3,633.0244

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	0.4294	15.4497	4.0591	0.0418	0.7754	0.0503	0.8257	0.2177	0.0481	0.2658		4,662.0216	4,662.0216	0.5023		4,674.5798
Vendor	0.3603	11.2474	3.2550	0.0263	0.5620	0.0597	0.6217	0.1671	0.0571	0.2243		2,856.2332	2,856.2332	0.2488		2,862.4527
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.4704	27.7268	19.0222	0.1081	4.6853	0.1386	4.8240	1.2920	0.1316	1.4236		11,510.6287	11,510.6287	0.8422		11,531.6835

3.17 Phase 2: Foundation - 2020

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	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.2698	7,150.2698	0.8187		7,170.7370
Total	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.2698	7,150.2698	0.8187		7,170.7370

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	0.4197	15.0985	3.9668	0.0409	1.6611	0.0492	1.7103	0.4345	0.0470	0.4815		4,556.0666	4,556.0666	0.4909		4,568.3393
Vendor	0.3536	11.0392	3.1947	0.0258	0.6773	0.0586	0.7359	0.1949	0.0561	0.2510		2,803.3400	2,803.3400	0.2442		2,809.4443
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.4540	27.1674	18.8697	0.1067	6.6642	0.1364	6.8005	1.7766	0.1294	1.9060		11,351.7804	11,351.7804	0.8262		11,372.4347

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	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370
Total	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370

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	0.4197	15.0985	3.9668	0.0409	1.2883	0.0492	1.3375	0.3429	0.0470	0.3900		4,556.0666	4,556.0666	0.4909		4,568.3393
Vendor	0.3536	11.0392	3.1947	0.0258	0.5516	0.0586	0.6102	0.1640	0.0561	0.2201		2,803.3400	2,803.3400	0.2442		2,809.4443
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.4540	27.1674	18.8697	0.1067	5.1879	0.1364	5.3242	1.4142	0.1294	1.5436		11,351.7804	11,351.7804	0.8262		11,372.4347

3.17 Phase 2: Foundation - 2021

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	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320
Total	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320

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	0.4002	13.9482	3.9756	0.0403	1.6611	0.0441	1.7052	0.4344	0.0422	0.4766		4,500.0520	4,500.0520	0.4843		4,512.1604
Vendor	0.2969	9.9209	2.9587	0.0255	0.6772	0.0214	0.6987	0.1949	0.0205	0.2154		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	2.2785	24.7978	17.7807	0.1044	6.6641	0.0935	6.7576	1.7765	0.0885	1.8650		11,133.1260	11,133.1260	0.8012		11,153.1560

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	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320
Total	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320

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	0.4002	13.9482	3.9756	0.0403	1.2883	0.0441	1.3324	0.3429	0.0422	0.3851		4,500.0520	4,500.0520	0.4843		4,512.1604
Vendor	0.2969	9.9209	2.9587	0.0255	0.5515	0.0214	0.5730	0.1640	0.0205	0.1845		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	2.2785	24.7978	17.7807	0.1044	5.1878	0.0935	5.2813	1.4142	0.0885	1.5026		11,133.1260	11,133.1260	0.8012		11,153.1560

3.18 Phase 2: Structural Concrete - 2021

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	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.2549	7,012.2549	0.7641		7,031.3565
Total	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.2549	7,012.2549	0.7641		7,031.3565

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	0.2969	9.9209	2.9587	0.0255	0.6772	0.0214	0.6987	0.1949	0.0205	0.2154		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.8784	10.8496	13.8051	0.0642	5.0030	0.0494	5.0524	1.3421	0.0463	1.3884		6,633.0740	6,633.0740	0.3169		6,640.9956

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	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564
Total	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564

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	0.2969	9.9209	2.9587	0.0255	0.5515	0.0214	0.5730	0.1640	0.0205	0.1845		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.8784	10.8496	13.8051	0.0642	3.8995	0.0494	3.9489	1.0712	0.0463	1.1175		6,633.0740	6,633.0740	0.3169		6,640.9956

3.19 Phase 2: Rough Interior Fit Out - 2021

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	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819
Total	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819

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	0.3417	11.4184	3.4053	0.0294	0.7795	0.0247	0.8041	0.2243	0.0236	0.2479		3,198.7058	3,198.7058	0.2697		3,205.4486
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.9232	12.3471	14.2517	0.0680	5.1052	0.0527	5.1579	1.3715	0.0494	1.4209		7,052.5764	7,052.5764	0.3522		7,061.3823

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	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054	0.0000	299.2622	299.2622	0.0968		301.6819
Total	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054	0.0000	299.2622	299.2622	0.0968		301.6819

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	0.3417	11.4184	3.4053	0.0294	0.6348	0.0247	0.6595	0.1888	0.0236	0.2124		3,198.7058	3,198.7058	0.2697		3,205.4486
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.9232	12.3471	14.2517	0.0680	3.9828	0.0527	4.0354	1.0960	0.0494	1.1454		7,052.5764	7,052.5764	0.3522		7,061.3823

3.19 Phase 2: Rough Interior Fit Out - 2022

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	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845

Total	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845
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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	0.3213	10.7951	3.2834	0.0290	0.7795	0.0215	0.8009	0.2243	0.0205	0.2448		3,166.9893	3,166.9893	0.2608		3,173.5085
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.8198	11.6364	13.3911	0.0662	5.1052	0.0489	5.1541	1.3715	0.0458	1.4173		6,878.2372	6,878.2372	0.3357		6,886.6286

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	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916	0.0000	299.1656	299.1656	0.0968		301.5845
Total	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916	0.0000	299.1656	299.1656	0.0968		301.5845

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	0.3213	10.7951	3.2834	0.0290	0.6348	0.0215	0.6562	0.1888	0.0205	0.2093		3,166.9893	3,166.9893	0.2608		3,173.5085
Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.8198	11.6364	13.3911	0.0662	3.9827	0.0489	4.0317	1.0960	0.0458	1.1418		6,878.2372	6,878.2372	0.3357		6,886.6286

3.20 Phase 2: Interior Finish Fit Out - 2021

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	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590
Total	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590

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
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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	0.0000
Vendor	0.3417	11.4184	3.4053	0.0294	0.7795	0.0247	0.8041	0.2243	0.0236	0.2479	3,198.7058	3,198.7058	0.2697		3,205.4486
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730	3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.9232	12.3471	14.2517	0.0680	5.1052	0.0527	5.1579	1.3715	0.0494	1.4209	7,052.5764	7,052.5764	0.3522		7,061.3823

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	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637	0.0000	95.7845	95.7845	0.0310		96.5590
Total	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637	0.0000	95.7845	95.7845	0.0310		96.5590

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	0.3417	11.4184	3.4053	0.0294	0.6348	0.0247	0.6595	0.1888	0.0236	0.2124	3,198.7058	3,198.7058	0.2697			3,205.4486

Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.9232	12.3471	14.2517	0.0680	3.9828	0.0527	4.0354	1.0960	0.0494	1.1454		7,052.5764	7,052.5764	0.3522		7,061.3823

3.20 Phase 2: Interior Finish Fit Out - 2022

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	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150
Total	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150

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	0.3213	10.7951	3.2834	0.0290	0.7795	0.0215	0.8009	0.2243	0.0205	0.2448		3,166.9893	3,166.9893	0.2608		3,173.5085
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.8198	11.6364	13.3911	0.0662	5.1052	0.0489	5.1541	1.3715	0.0458	1.4173		6,878.2372	6,878.2372	0.3357		6,886.6286

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	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581	0.0000	96.0384	96.0384	0.0311		96.8150
Total	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581	0.0000	96.0384	96.0384	0.0311		96.8150

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	0.3213	10.7951	3.2834	0.0290	0.6348	0.0215	0.6562	0.1888	0.0205	0.2093		3,166.9893	3,166.9893	0.2608		3,173.5085
Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.8198	11.6364	13.3911	0.0662	3.9827	0.0489	4.0317	1.0960	0.0458	1.1418		6,878.2372	6,878.2372	0.3357		6,886.6286

3.21 Phase 3: Site Demolition/ Clearing - 2021

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
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Category	lb/day										lb/day					
Fugitive Dust					0.8153	0.0000	0.8153	0.1234	0.0000	0.1234			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.8153	1.5513	2.3666	0.1234	1.4411	1.5645		3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0280	0.9774	0.2786	2.8200e-003	0.0662	3.0900e-003	0.0693	0.0181	2.9600e-003	0.0211		315.3431	315.3431	0.0339		316.1916
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	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0893	1.0134	0.6990	4.3200e-003	0.2338	4.1800e-003	0.2380	0.0626	3.9600e-003	0.0665		464.7180	464.7180	0.0371		465.6464

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					0.3485	0.0000	0.3485	0.0528	0.0000	0.0528			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Total	3.1651	31.4407	21.5650	0.0388	0.3485	1.5513	1.8999	0.0528	1.4411	1.4939	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
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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	0.0280	0.9774	0.2786	2.8200e-003	0.0531	3.0900e-003	0.0562	0.0149	2.9600e-003	0.0179		315.3431	315.3431	0.0339		316.1916
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	0.0613	0.0360	0.4204	1.5000e-003	0.1298	1.0900e-003	0.1309	0.0352	1.0000e-003	0.0362		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0893	1.0134	0.6990	4.3200e-003	0.1829	4.1800e-003	0.1870	0.0501	3.9600e-003	0.0540		464.7180	464.7180	0.0371		465.6464

3.22 Phase 3: Grading - 2021

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.6533	50.6220	35.9284	0.0704		2.2167	2.2167		2.0528	2.0528		6,808.4192	6,808.4192	2.0323		6,859.2260
Total	4.6533	50.6220	35.9284	0.0704	8.6733	2.2167	10.8900	3.5965	2.0528	5.6493		6,808.4192	6,808.4192	2.0323		6,859.2260

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	0.2969	9.9209	2.9587	0.0255	0.6772	0.0214	0.6987	0.1949	0.0205	0.2154		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.8784	10.8496	13.8051	0.0642	5.0030	0.0494	5.0524	1.3421	0.0463	1.3884		6,633.0740	6,633.0740	0.3169		6,640.9956

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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	4.6533	50.6220	35.9284	0.0704		2.2167	2.2167		2.0528	2.0528	0.0000	6,808.4192	6,808.4192	2.0323		6,859.2260
Total	4.6533	50.6220	35.9284	0.0704	3.7079	2.2167	5.9245	1.5375	2.0528	3.5903	0.0000	6,808.4192	6,808.4192	2.0323		6,859.2260

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	0.0000	0.0000
Vendor	0.2969	9.9209	2.9587	0.0255	0.5515	0.0214	0.5730	0.1640	0.0205	0.1845		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.8784	10.8496	13.8051	0.0642	3.8995	0.0494	3.9489	1.0712	0.0463	1.1175		6,633.0740	6,633.0740	0.3169		6,640.9956

3.22 Phase 3: Grading - 2022

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.0479	42.7157	34.0741	0.0705		1.8332	1.8332		1.6983	1.6983		6,813.0018	6,813.0018	2.0316		6,863.7908
Total	4.0479	42.7157	34.0741	0.0705	8.6733	1.8332	10.5066	3.5965	1.6983	5.2948		6,813.0018	6,813.0018	2.0316		6,863.7908

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	0.2792	9.3794	2.8528	0.0252	0.6772	0.0187	0.6959	0.1949	0.0179	0.2127		2,751.6465	2,751.6465	0.2266		2,757.3106
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.2479	3,711.2479	0.0749		3,713.1201

Total	1.7777	10.2207	12.9605	0.0624	5.0030	0.0461	5.0491	1.3421	0.0431	1.3852		6,462.8943	6,462.8943	0.3015		6,470.4308
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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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	4.0479	42.7157	34.0741	0.0705		1.8332	1.8332		1.6983	1.6983	0.0000	6,813.0018	6,813.0018	2.0316		6,863.7908
Total	4.0479	42.7157	34.0741	0.0705	3.7079	1.8332	5.5411	1.5375	1.6983	3.2358	0.0000	6,813.0018	6,813.0018	2.0316		6,863.7908

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	0.2792	9.3794	2.8528	0.0252	0.5515	0.0187	0.5702	0.1640	0.0179	0.1819		2,751.6465	2,751.6465	0.2266		2,757.3106
Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.7777	10.2207	12.9605	0.0624	3.8995	0.0461	3.9456	1.0712	0.0431	1.1144		6,462.8943	6,462.8943	0.3015		6,470.4308

3.23 Phase 3: Reconfigure Parking Lot - 2022

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	0.7492	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397		1,371.7132	1,371.7132	0.3709		1,380.9866
Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7790	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397		1,371.7132	1,371.7132	0.3709		1,380.9866

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	0.2982	0.1674	2.0111	7.4000e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		738.4137	738.4137	0.0149		738.7862
Total	0.2982	0.1674	2.0111	7.4000e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		738.4137	738.4137	0.0149		738.7862

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	0.7492	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397	0.0000	1,371.7132	1,371.7132	0.3709		1,380.9866
Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7790	6.9025	9.0141	0.0142		0.3622	0.3622		0.3397	0.3397	0.0000	1,371.7132	1,371.7132	0.3709		1,380.9866

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	0.2982	0.1674	2.0111	7.4000e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		738.4137	738.4137	0.0149		738.7862
Total	0.2982	0.1674	2.0111	7.4000e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		738.4137	738.4137	0.0149		738.7862

3.24 Phase 2: Landscaping/ TCO/ Punchlist - 2022

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	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520
Total	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520

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	0.2897	9.7333	2.9605	0.0262	0.7028	0.0194	0.7221	0.2022	0.0185	0.2208		2,855.4822	2,855.4822	0.2351			2,861.3601
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.2479	3,711.2479	0.0749			3,713.1201
Total	1.7882	10.5746	13.0681	0.0634	5.0285	0.0468	5.0753	1.3495	0.0438	1.3933		6,566.7300	6,566.7300	0.3100			6,574.4802

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	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523	0.0000	3,910.9766	3,910.9766	1.0710			3,937.7520
Total	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523	0.0000	3,910.9766	3,910.9766	1.0710			3,937.7520

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	0.2897	9.7333	2.9605	0.0262	0.5723	0.0194	0.5917	0.1702	0.0185	0.1887		2,855.4822	2,855.4822	0.2351		2,861.3601
Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.7882	10.5746	13.0681	0.0634	3.9203	0.0468	3.9671	1.0774	0.0438	1.1212		6,566.7300	6,566.7300	0.3100		6,574.4802

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

	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	1.4369	5.1077	17.5329	0.0703	7.1384	0.0508	7.1892	1.9089	0.0471	1.9559		7,153.2788	7,153.2788	0.2885		7,160.4923
Unmitigated	1.5300	5.5611	19.9879	0.0822	8.4143	0.0587	8.4730	2.2500	0.0544	2.3045		8,371.4209	8,371.4209	0.3318		8,379.7164

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		

Condo/Townhouse High Rise	1,086.80	1,086.80	1086.80	3,713,761	3,150,619
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	132.96	132.96	132.96	252,969	214,610
Total	1,219.76	1,219.76	1,219.76	3,966,730	3,365,228

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Condo/Townhouse High Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
NaturalGas Unmitigated	0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

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					
City Park	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
Condo/Townhouse High Rise	10005.5	0.1079	0.9221	0.3924	5.8900e-003		0.0746	0.0746		0.0746	0.0746		1,177.1233	1,177.1233	0.0226	0.0216	1,184.1183
Enclosed Parking with Elevator	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
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
Strip Mall	16.5205	1.8000e-004	1.6200e-003	1.3600e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.9436	1.9436	4.0000e-005	4.0000e-005	1.9551
Total		0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

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
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Land Use	kBTU/yr	lb/day										lb/day					
City Park	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	
Condo/Townhouse High Rise	8.30417	0.0896	0.7653	0.3257	4.8800e-003		0.0619	0.0619		0.0619	0.0619		976.9614	976.9614	0.0187	0.0179	982.7670
Enclosed Parking with Elevator	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
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
Strip Mall	0.0143112	1.5000e-004	1.4000e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6837	1.6837	3.0000e-005	3.0000e-005	1.6937
Total		0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607

6.0 Area Detail

6.1 Mitigation Measures Area

	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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Unmitigated	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982
Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982
Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet
Install Low Flow Shower
Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

Koll Center Residences - Orange County, Winter

**Koll Center Residences - Tier 3
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	490.00	Space	4.41	196,000.00	0
Parking Lot	119.00	Space	1.07	47,600.00	0
City Park	1.00	Acre	1.19	43,560.00	0
Condo/Townhouse High Rise	260.00	Dwelling Unit	3.41	260,000.00	744
Strip Mall	3.00	1000sqft	0.06	3,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Data provided from project.
- Land Use - Acreage adjusted per Project Applicant.
- Construction Phase - Adjusted per Project Applicant.
- Off-road Equipment -
- Off-road Equipment - Adjusted per Project Applicant.
- Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

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Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Equipment.

Off-road Equipment - Paving Equipment

Off-road Equipment -

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Off-road Equipment - Adjusted per Project Applicant.

Trips and VMT - Vendor trips account for crew and foreman trucks. Soil export to span duration of Phases A, 1, and 2

Demolition -

Grading - Construction export included in project description.

Architectural Coating -

Vehicle Trips - Adjusted per Traffic Report.

Woodstoves - No wood burning devices per Rule 445.

Area Coating - Adjusted to match parking area.

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive Dust mitigation per Rule 403. Engine Tier 3 due to NOx over the SCAQMD Threshold prior to this mitigation measure.

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
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tblTripsAndVMT	WorkerTripNumber	309.00	387.00
tblTripsAndVMT	WorkerTripNumber	309.00	387.00

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tblVehicleTrips	WD_TR	1.89	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	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
Year	lb/day										lb/day					
2018	5.2208	47.1326	35.1447	0.1382	7.1298	1.2691	8.0245	1.8972	1.2094	2.7270	0.0000	14,596.6338	14,596.6338	1.5606	0.0000	41,635.6483
2019	10.0517	66.4352	71.2261	0.2436	15.1114	1.8155	16.9269	4.0558	1.7707	5.8264	0.0000	24,785.4141	24,785.4141	1.5630	0.0000	24,824.4878
2020	9.1711	74.0243	66.7193	0.2388	15.1113	2.6462	16.6620	4.0558	2.6037	5.5680	0.0000	24,311.2484	24,311.2484	2.0078	0.0000	24,347.8814
2021	17.9943	142.4230	136.8133	0.4149	28.8898	4.7613	33.6511	9.0237	4.5378	13.5615	0.0000	41,596.7429	41,596.7429	4.2654	0.0000	41,703.3791
2022	9.8299	79.0805	76.8067	0.2696	23.8867	2.1448	26.0314	7.6816	1.9872	9.6688	0.0000	27,437.2922	27,437.2922	3.1353	0.0000	27,515.6745
Maximum	17.9943	142.4230	136.8133	0.4149	28.8898	4.7613	33.6511	9.0237	4.5378	13.5615	0.0000	41,596.7429	41,596.7429	4.2654	0.0000	41,703.3791

Mitigated Construction

	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
Year	lb/day										lb/day					
2018	3.5483	44.2365	40.9007	0.1382	5.5463	0.9947	6.2868	1.5085	0.9869	2.2389	0.0000	14,596.6338	14,596.6338	1.5606	0.0000	14,635.6483
2019	7.6233	60.0754	71.9860	0.2436	11.7819	1.5282	13.3101	3.2385	1.5101	4.7486	0.0000	24,785.4141	24,785.4141	1.5630	0.0000	24,824.4878
2020	7.0758	62.8565	67.8305	0.2388	11.7818	2.3961	13.2330	3.2385	2.3892	4.6749	0.0000	24,311.2484	24,311.2484	2.0078	0.0000	24,347.8814
2021	11.1681	118.4667	145.2487	0.4149	19.4724	4.1720	23.6444	5.8720	4.1591	10.0311	0.0000	41,596.7428	41,596.7428	4.2654	0.0000	41,703.3791
2022	7.2484	69.8778	85.0865	0.2696	15.5728	1.8520	17.4249	4.8007	1.8428	6.6436	0.0000	27,437.2922	27,437.2922	3.1353	0.0000	27,515.6745
Maximum	11.1681	118.4667	145.2487	0.4149	19.4724	4.1720	23.6444	5.8720	4.1591	10.0311	0.0000	41,596.7428	41,596.7428	4.2654	0.0000	41,703.3791

	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	29.85	13.10	-6.29	0.00	28.82	13.40	27.05	30.16	10.08	24.13	0.00	0.00	0.00	0.00	0.00	0.00

**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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Energy	0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735
Mobile	1.7376	7.2326	22.6538	0.0882	8.4146	0.0661	8.4807	2.2502	0.0614	2.3116		8,966.3298	8,966.3298	0.3720		8,975.6292

Total	8.7364	12.2861	46.2354	0.1200	8.4146	0.5734	8.9881	2.2502	0.5688	2.8190	0.0000	15,139.44	15,139.44	0.5272	0.1125	15,186.14
												86	86			19

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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Energy	0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
Mobile	1.6320	6.5739	19.8951	0.0754	7.1387	0.0571	7.1958	1.9090	0.0531	1.9621		7,661.4565	7,661.4565	0.3244		7,669.5654
Total	8.6124	11.4705	43.4098	0.1062	7.1387	0.5518	7.6904	1.9090	0.5478	2.4568	0.0000	13,634.1534	13,634.1534	0.4757	0.1088	13,678.4653

	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	1.42	6.64	6.11	11.54	15.16	3.78	14.44	15.16	3.70	12.85	0.00	9.94	9.94	9.76	3.27	9.93

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase A: Site Clearing/ Excavation	Demolition	1/1/2018	1/31/2018	5	23	
2	Phase A: Concrete	Grading	2/1/2018	8/31/2018	5	152	
3	Phase A: Rough/ Finish	Building Construction	4/1/2018	9/30/2018	5	130	
4	Phase A: Landscaping/ TCO/ Punchlist	Building Construction	10/1/2018	10/31/2018	5	23	
5	Phase 1: Site Demolition/ Clearing	Demolition	11/1/2018	11/15/2018	5	11	
6	Phase 1: Shoring	Grading	11/16/2018	11/30/2018	5	11	
7	Phase 1: Excavation	Building Construction	12/1/2018	1/31/2019	5	44	

8	Phase 1: Foundation	Building Construction	2/1/2019	3/31/2019	5	41
9	Phase 1: Structural Concrete	Building Construction	4/1/2019	1/31/2020	5	220
10	Phase 1: Rough Interior Fit Out	Building Construction	7/1/2019	4/30/2020	5	219
11	Phase 1: Interior Finish Fit Out	Building Construction	10/1/2019	7/31/2020	5	219
12	Phase 1: Landscaping/ TCO/ Punchlist	Building Construction	8/1/2020	8/31/2020	5	21
13	Phase 2: Site Demolition/ Clearing	Demolition	9/1/2020	9/15/2020	5	11
14	Phase 2: Shoring	Grading	9/16/2020	10/1/2020	5	12
15	Phase 2: Excavation	Building Construction	10/2/2020	12/1/2020	5	43
16	Phase 2: Foundation	Building Construction	12/2/2020	2/1/2021	5	44
17	Phase 2: Structural Concrete	Building Construction	2/2/2021	12/6/2021	5	220
18	Phase 2: Rough Interior Fit Out	Building Construction	5/2/2021	3/2/2022	5	218
19	Phase 2: Interior Finish Fit Out	Building Construction	8/4/2021	6/2/2022	5	217
20	Phase 3: Site Demolition/ Clearing	Demolition	10/1/2021	10/14/2021	5	10
21	Phase 3: Grading	Grading	10/15/2021	2/23/2022	5	94
22	Phase 3: Reconfigure Parking Lot	Paving	2/24/2022	7/5/2022	5	94
23	Phase 2: Landscaping/ TCO/ Punchlist	Building Construction	6/3/2022	7/5/2022	5	23

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.48

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase A: Site Clearing/ Excavation	Air Compressors	1	8.00	78	0.48
Phase A: Site Clearing/ Excavation	Concrete/Industrial Saws	1	8.00	81	0.73
Phase A: Site Clearing/ Excavation	Excavators	1	8.00	158	0.38
Phase A: Site Clearing/ Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Site Clearing/ Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase A: Concrete	Air Compressors	1	8.00	78	0.48

Phase A: Concrete	Excavators	0	8.00	158	0.38
Phase A: Concrete	Generator Sets	1	8.00	84	0.74
Phase A: Concrete	Graders	0	8.00	187	0.41
Phase A: Concrete	Off-Highway Trucks	2	8.00	402	0.38
Phase A: Concrete	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Concrete	Scrapers	0	8.00	367	0.48
Phase A: Concrete	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Phase A: Rough/ Finish	Cranes	0	7.00	231	0.29
Phase A: Rough/ Finish	Excavators	0	8.00	158	0.38
Phase A: Rough/ Finish	Forklifts	0	8.00	89	0.20
Phase A: Rough/ Finish	Generator Sets	0	8.00	84	0.74
Phase A: Rough/ Finish	Graders	0	8.00	187	0.41
Phase A: Rough/ Finish	Other Construction Equipment	1	2.00	49	0.42
Phase A: Rough/ Finish	Rubber Tired Dozers	0	8.00	247	0.40
Phase A: Rough/ Finish	Scrapers	0	8.00	367	0.48
Phase A: Rough/ Finish	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Phase A: Rough/ Finish	Welders	0	8.00	46	0.45
Phase A: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase A: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase A: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase A: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase A: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase A: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase A: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45
Phase 1: Site Demolition/ Clearing	Air Compressors	1	8.00	78	0.48
Phase 1: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1: Site Demolition/ Clearing	Excavators	1	8.00	158	0.38
Phase 1: Site Demolition/ Clearing	Pavers	0	8.00	130	0.42
Phase 1: Site Demolition/ Clearing	Paving Equipment	0	8.00	132	0.36
Phase 1: Site Demolition/ Clearing	Rollers	0	8.00	80	0.38

Phase 1: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1: Shoring	Air Compressors	0	6.00	78	0.48
Phase 1: Shoring	Bore/Drill Rigs	2	8.00	221	0.50
Phase 1: Shoring	Cranes	1	8.00	231	0.29
Phase 1: Shoring	Excavators	0	8.00	158	0.38
Phase 1: Shoring	Graders	0	8.00	187	0.41
Phase 1: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1: Shoring	Scrapers	0	8.00	367	0.48
Phase 1: Shoring	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Shoring	Welders	2	8.00	46	0.45
Phase 1: Excavation	Cranes	0	7.00	231	0.29
Phase 1: Excavation	Excavators	2	8.00	158	0.38
Phase 1: Excavation	Forklifts	0	8.00	89	0.20
Phase 1: Excavation	Generator Sets	0	8.00	84	0.74
Phase 1: Excavation	Skid Steer Loaders	1	8.00	65	0.37
Phase 1: Excavation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Phase 1: Excavation	Welders	0	8.00	46	0.45
Phase 1: Foundation	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Foundation	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Foundation	Cranes	1	8.00	231	0.29
Phase 1: Foundation	Forklifts	0	8.00	89	0.20
Phase 1: Foundation	Generator Sets	0	8.00	84	0.74
Phase 1: Foundation	Plate Compactors	2	8.00	8	0.43
Phase 1: Foundation	Pumps	2	8.00	84	0.74
Phase 1: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Foundation	Welders	2	8.00	46	0.45
Phase 1: Structural Concrete	Cement and Mortar Mixers	2	8.00	172	0.42
Phase 1: Structural Concrete	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 1: Structural Concrete	Cranes	1	8.00	231	0.29

Phase 1: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 1: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 1: Structural Concrete	Pumps	2	8.00	84	0.74
Phase 1: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Structural Concrete	Welders	2	8.00	46	0.45
Phase 1: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20
Phase 1: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Rough Interior Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 1: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 1: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 1: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 1: Interior Finish Fit Out	Other Construction Equipment	1	2.00	49	0.42
Phase 1: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 1: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 1: Landscaping/ TCO/ Punchlist	Air Compressors	1	8.00	78	0.48
Phase 1: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 1: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 1: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 1: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	1	8.00	402	0.38
Phase 1: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1: Landscaping/ TCO/ Punchlist	Welders	0	8.00	78	0.48
Phase 2: Site Demolition/ Clearing	Air Compressors	2	8.00	78	0.48
Phase 2: Site Demolition/ Clearing	Concrete/Industrial Saws	2	8.00	81	0.73
Phase 2: Site Demolition/ Clearing	Excavators	2	8.00	158	0.38
Phase 2: Site Demolition/ Clearing	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Site Demolition/ Clearing	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2: Shoring	Bore/Drill Rigs	3	8.00	221	0.50

Phase 2: Shoring	Cranes	2	8.00	231	0.29
Phase 2: Shoring	Excavators	0	8.00	158	0.38
Phase 2: Shoring	Graders	0	8.00	187	0.41
Phase 2: Shoring	Rubber Tired Dozers	0	8.00	247	0.40
Phase 2: Shoring	Scrapers	0	8.00	367	0.48
Phase 2: Shoring	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Shoring	Welders	3	8.00	46	0.45
Phase 2: Excavation	Cranes	0	7.00	231	0.29
Phase 2: Excavation	Excavators	4	8.00	158	0.38
Phase 2: Excavation	Forklifts	0	8.00	89	0.20
Phase 2: Excavation	Generator Sets	0	8.00	84	0.74
Phase 2: Excavation	Skid Steer Loaders	2	8.00	65	0.37
Phase 2: Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2: Excavation	Welders	0	8.00	46	0.45
Phase 2: Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Foundation	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Foundation	Cranes	2	8.00	231	0.29
Phase 2: Foundation	Forklifts	0	8.00	89	0.20
Phase 2: Foundation	Generator Sets	0	8.00	84	0.74
Phase 2: Foundation	Plate Compactors	4	8.00	8	0.43
Phase 2: Foundation	Pumps	4	8.00	84	0.74
Phase 2: Foundation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Foundation	Welders	4	8.00	46	0.45
Phase 2: Structural Concrete	Cement and Mortar Mixers	4	8.00	9	0.56
Phase 2: Structural Concrete	Concrete/Industrial Saws	4	8.00	81	0.73
Phase 2: Structural Concrete	Cranes	2	8.00	231	0.29
Phase 2: Structural Concrete	Forklifts	0	8.00	89	0.20
Phase 2: Structural Concrete	Generator Sets	0	8.00	84	0.74
Phase 2: Structural Concrete	Pumps	4	8.00	84	0.74
Phase 2: Structural Concrete	Tractors/Loaders/Backhoes	0	7.00	97	0.37

Phase 2: Structural Concrete	Welders	4	8.00	46	0.45
Phase 2: Rough Interior Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Rough Interior Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Rough Interior Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Rough Interior Fit Out	Other Construction Equipment	2	2.00	172	0.42
Phase 2: Rough Interior Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Rough Interior Fit Out	Welders	0	8.00	46	0.45
Phase 2: Interior Finish Fit Out	Cranes	0	7.00	231	0.29
Phase 2: Interior Finish Fit Out	Forklifts	0	8.00	89	0.20
Phase 2: Interior Finish Fit Out	Generator Sets	0	8.00	84	0.74
Phase 2: Interior Finish Fit Out	Other Construction Equipment	2	2.00	49	0.42
Phase 2: Interior Finish Fit Out	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Phase 2: Interior Finish Fit Out	Welders	0	8.00	46	0.45
Phase 3: Site Demolition/ Clearing	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 3: Site Demolition/ Clearing	Excavators	3	8.00	158	0.38
Phase 3: Site Demolition/ Clearing	Rubber Tired Dozers	2	8.00	247	0.40
Phase 3: Grading	Cranes	0	7.00	231	0.29
Phase 3: Grading	Excavators	2	8.00	158	0.38
Phase 3: Grading	Forklifts	0	8.00	89	0.20
Phase 3: Grading	Generator Sets	1	8.00	84	0.74
Phase 3: Grading	Graders	1	8.00	187	0.41
Phase 3: Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 3: Grading	Scrapers	2	8.00	367	0.48
Phase 3: Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3: Grading	Welders	0	8.00	46	0.45
Phase 3: Reconfigure Parking Lot	Air Compressors	1	6.00	78	0.48
Phase 3: Reconfigure Parking Lot	Pavers	1	8.00	130	0.42
Phase 3: Reconfigure Parking Lot	Paving Equipment	1	8.00	132	0.36
Phase 3: Reconfigure Parking Lot	Rollers	1	8.00	80	0.38
Phase 2: Landscaping/ TCO/ Punchlist	Air Compressors	2	8.00	78	0.48

Phase 2: Landscaping/ TCO/ Punchlist	Cranes	0	7.00	231	0.29
Phase 2: Landscaping/ TCO/ Punchlist	Forklifts	0	8.00	89	0.20
Phase 2: Landscaping/ TCO/ Punchlist	Generator Sets	0	8.00	84	0.74
Phase 2: Landscaping/ TCO/ Punchlist	Off-Highway Trucks	2	8.00	402	0.38
Phase 2: Landscaping/ TCO/ Punchlist	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2: Landscaping/ TCO/ Punchlist	Welders	0	8.00	46	0.45

Trips and VMT

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
Phase A: Site Clearing/ Excavation	5	13.00	0.00	39.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Concrete	4	10.00	1.00	3,017.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Rough/ Finish	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase A: Landscaping/ TCO/	3	387.00	107.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Site Demolition/ Clearing	5	13.00	1.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Shoring	6	15.00	1.00	650.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Excavation	5	387.00	107.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Foundation	11	387.00	106.00	2,925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Structural Concrete	9	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Rough Interior Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Interior Finish Fit Out	1	387.00	114.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1: Landscaping/ TCO/ Punchlist	3	387.00	108.00	570.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Site Demolition/ Clearing	10	25.00	2.00	69.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Shoring	10	25.00	3.00	530.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Excavation	10	387.00	108.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Foundation	22	387.00	106.00	2,386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Structural Concrete	18	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Rough Interior Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Interior Finish Fit Out	2	387.00	122.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Site Demolition/ Clearing	6	15.00	0.00	38.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Phase 3: Grading	10	387.00	106.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3: Reconfigure Parking Lot	4	77.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2: Landscaping/TCO/Punchlist	6	387.00	110.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Phase A: Site Clearing/ Excavation - 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					0.3675	0.0000	0.3675	0.0556	0.0000	0.0556			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	0.3675	0.9905	1.3580	0.0556	0.9486	1.0043		2,113.0663	2,113.0663	0.4380		2,124.0174

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
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Category	lb/day										lb/day					
Hauling	0.0150	0.5368	0.1281	1.3100e-003	0.0295	2.1500e-003	0.0317	8.0800e-003	2.0600e-003	0.0101		145.4120	145.4120	0.0158		145.8078
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	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0806	0.5803	0.6022	2.7400e-003	0.1748	3.1100e-003	0.1780	0.0466	2.9400e-003	0.0496		287.7356	287.7356	0.0196		288.2261

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					0.1571	0.0000	0.1571	0.0238	0.0000	0.0238			0.0000			0.0000
Off-Road	0.4834	10.5923	14.9040	0.0216		0.6887	0.6887		0.6887	0.6887	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	0.4834	10.5923	14.9040	0.0216	0.1571	0.6887	0.8458	0.0238	0.6887	0.7125	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0150	0.5368	0.1281	1.3100e-003	0.0237	2.1500e-003	0.0259	6.6500e-003	2.0600e-003	8.7100e-003		145.4120	145.4120	0.0158		145.8078
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	0.0656	0.0435	0.4741	1.4300e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		142.3237	142.3237	3.7800e-003		142.4183
Total	0.0806	0.5803	0.6022	2.7400e-003	0.1362	3.1100e-003	0.1393	0.0371	2.9400e-003	0.0401		287.7356	287.7356	0.0196		288.2261

3.3 Phase A: Concrete - 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					0.0180	0.0000	0.0180	2.7200e-003	0.0000	2.7200e-003			0.0000			0.0000
Off-Road	2.4502	23.4377	14.6228	0.0370		1.0705	1.0705		1.0219	1.0219		3,657.5315	3,657.5315	0.9085		3,680.2430
Total	2.4502	23.4377	14.6228	0.0370	0.0180	1.0705	1.0884	2.7200e-003	1.0219	1.0246		3,657.5315	3,657.5315	0.9085		3,680.2430

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	0.1760	6.2839	1.4996	0.0154	0.3457	0.0252	0.3709	0.0946	0.0241	0.1187		1,702.1392	1,702.1392	0.1854		1,706.7731
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	6.3900e-003	9.0000e-004	7.2900e-003	1.8400e-003	8.6000e-004	2.7000e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0504	0.0335	0.3647	1.1000e-003	0.1118	7.4000e-004	0.1125	0.0296	6.8000e-004	0.0303		109.4797	109.4797	2.9100e-003		109.5525
Total	0.2306	6.4368	1.8994	0.0167	0.4638	0.0269	0.4907	0.1261	0.0257	0.1518		1,838.3904	1,838.3904	0.1908		1,843.1598

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					7.6800e-003	0.0000	7.6800e-003	1.1600e-003	0.0000	1.1600e-003			0.0000			0.0000
Off-Road	0.8574	17.3144	20.5096	0.0370		0.8115	0.8115		0.8115	0.8115	0.0000	3,657.5315	3,657.5315	0.9085		3,680.2430
Total	0.8574	17.3144	20.5096	0.0370	7.6800e-003	0.8115	0.8191	1.1600e-003	0.8115	0.8126	0.0000	3,657.5315	3,657.5315	0.9085		3,680.2430

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	0.1760	6.2839	1.4996	0.0154	0.2774	0.0252	0.3026	0.0779	0.0241	0.1020		1,702.1392	1,702.1392	0.1854		1,706.7731
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	5.2000e-003	9.0000e-004	6.1000e-003	1.5500e-003	8.6000e-004	2.4100e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0504	0.0335	0.3647	1.1000e-003	0.0865	7.4000e-004	0.0873	0.0234	6.8000e-004	0.0241		109.4797	109.4797	2.9100e-003		109.5525
Total	0.2306	6.4368	1.8994	0.0167	0.3691	0.0269	0.3960	0.1029	0.0257	0.1285		1,838.3904	1,838.3904	0.1908		1,843.1598

3.4 Phase A: Rough/ Finish - 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
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Category	lb/day										lb/day					
Off-Road	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375		49.8120	49.8120	0.0155		50.1996
Total	0.1060	0.4784	0.5028	4.9000e-004		0.0408	0.0408		0.0375	0.0375		49.8120	49.8120	0.0155		50.1996

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	0.4818	13.6212	4.0051	0.0282	0.7284	0.1025	0.8309	0.2096	0.0980	0.3077		3,051.9480	3,051.9480	0.2861		3,059.1001
Worker	1.9521	1.2950	14.1146	0.0425	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.4339	14.9162	18.1197	0.0707	5.0542	0.1310	5.1852	1.3568	0.1244	1.4812		7,288.8138	7,288.8138	0.3987		7,298.7818

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	49.8120	49.8120	0.0155		50.1996
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	49.8120	49.8120	0.0155		50.1996

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	0.4818	13.6212	4.0051	0.0282	0.5932	0.1025	0.6957	0.1764	0.0980	0.2745		3,051.9480	3,051.9480	0.2861		3,059.1001
Worker	1.9521	1.2950	14.1146	0.0425	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.4339	14.9162	18.1197	0.0707	3.9412	0.1310	4.0722	1.0837	0.1244	1.2080		7,288.8138	7,288.8138	0.3987		7,298.7818

3.5 Phase A: Landscaping/ TCO/ Punchlist - 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	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307
Total	1.4376	13.6291	9.0106	0.0203		0.6909	0.6909		0.6517	0.6517		2,017.6568	2,017.6568	0.5470		2,031.3307

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	0.4522	12.7848	3.7592	0.0264	0.6837	0.0962	0.7799	0.1968	0.0920	0.2888		2,864.547 7	2,864.547 7	0.2685		2,871.260 6
Worker	1.9521	1.2950	14.1146	0.0425	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,236.865 7	4,236.865 7	0.1126		4,239.681 7
Total	2.4044	14.0798	17.8738	0.0689	5.0095	0.1247	5.1342	1.3440	0.1183	1.4623		7,101.413 4	7,101.413 4	0.3812		7,110.942 3

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	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	2,017.656 8	2,017.656 8	0.5470		2,031.330 7
Total	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	2,017.656 8	2,017.656 8	0.5470		2,031.330 7

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	0.4522	12.7848	3.7592	0.0264	0.5568	0.0962	0.6530	0.1656	0.0920	0.2576		2,864.5477	2,864.5477	0.2685		2,871.2606
Worker	1.9521	1.2950	14.1146	0.0425	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,236.8657	4,236.8657	0.1126		4,239.6817
Total	2.4044	14.0798	17.8738	0.0689	3.9048	0.1247	4.0295	1.0728	0.1183	1.1911		7,101.4134	7,101.4134	0.3812		7,110.9423

3.6 Phase 1: Site Demolition/ Clearing - 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					1.7236	0.0000	1.7236	0.2610	0.0000	0.2610			0.0000			0.0000
Off-Road	1.7389	14.9446	14.1455	0.0216		0.9905	0.9905		0.9486	0.9486		2,113.0663	2,113.0663	0.4380		2,124.0174
Total	1.7389	14.9446	14.1455	0.0216	1.7236	0.9905	2.7141	0.2610	0.9486	1.2096		2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0709	2.5327	0.6044	6.1900e-003	0.1393	0.0102	0.1495	0.0381	9.7200e-003	0.0479		686.0462	686.0462	0.0747		687.9139
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	6.3900e-003	9.0000e-004	7.2900e-003	1.8400e-003	8.6000e-004	2.7000e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1453	9.6000e-004	0.1463	0.0385	8.8000e-004	0.0394		142.3237	142.3237	3.7800e-003		142.4183

Total	0.1407	2.6957	1.1137	7.8700e-003	0.2910	0.0120	0.3030	0.0785	0.0115	0.0900		855.1413	855.1413	0.0810		857.1663
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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					0.7368	0.0000	0.7368	0.1116	0.0000	0.1116			0.0000			0.0000
Off-Road	0.4834	10.5923	14.9040	0.0216		0.6887	0.6887		0.6887	0.6887	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174
Total	0.4834	10.5923	14.9040	0.0216	0.7368	0.6887	1.4255	0.1116	0.6887	0.8002	0.0000	2,113.0663	2,113.0663	0.4380		2,124.0174

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	0.0709	2.5327	0.6044	6.1900e-003	0.1118	0.0102	0.1220	0.0314	9.7200e-003	0.0411		686.0462	686.0462	0.0747		687.9139
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	5.2000e-003	9.0000e-004	6.1000e-003	1.5500e-003	8.6000e-004	2.4100e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0656	0.0435	0.4741	1.4300e-003	0.1125	9.6000e-004	0.1134	0.0305	8.8000e-004	0.0314		142.3237	142.3237	3.7800e-003		142.4183
Total	0.1407	2.6957	1.1137	7.8700e-003	0.2295	0.0120	0.2415	0.0634	0.0115	0.0749		855.1413	855.1413	0.0810		857.1663

3.7 Phase 1: Shoring - 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					0.5346	0.0000	0.5346	0.0810	0.0000	0.0810			0.0000			0.0000
Off-Road	2.3227	21.2066	12.7600	0.0328		0.9457	0.9457		0.8883	0.8883		3,197.0362	3,197.0362	0.9457		3,220.6784
Total	2.3227	21.2066	12.7600	0.0328	0.5346	0.9457	1.4803	0.0810	0.8883	0.9692		3,197.0362	3,197.0362	0.9457		3,220.6784

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	0.5238	18.7074	4.4643	0.0457	1.0291	0.0750	1.1041	0.2817	0.0718	0.3535		5,067.3864	5,067.3864	0.5518		5,081.1819
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	6.3900e-003	9.0000e-004	7.2900e-003	1.8400e-003	8.6000e-004	2.7000e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0757	0.0502	0.5471	1.6500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		164.2196	164.2196	4.3700e-003		164.3288
Total	0.6037	18.8771	5.0465	0.0476	1.2031	0.0771	1.2801	0.3280	0.0737	0.4017		5,258.3774	5,258.3774	0.5587		5,272.3449

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					0.2285	0.0000	0.2285	0.0346	0.0000	0.0346			0.0000			0.0000
Off-Road	0.8972	16.8990	18.5419	0.0328		0.7730	0.7730		0.7730	0.7730	0.0000	3,197.036 2	3,197.036 2	0.9457		3,220.678 4
Total	0.8972	16.8990	18.5419	0.0328	0.2285	0.7730	1.0015	0.0346	0.7730	0.8076	0.0000	3,197.036 2	3,197.036 2	0.9457		3,220.678 4

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	0.5238	18.7074	4.4643	0.0457	0.8259	0.0750	0.9010	0.2319	0.0718	0.3037		5,067.386 4	5,067.386 4	0.5518		5,081.181 9
Vendor	4.2300e-003	0.1195	0.0351	2.5000e-004	5.2000e-003	9.0000e-004	6.1000e-003	1.5500e-003	8.6000e-004	2.4100e-003		26.7715	26.7715	2.5100e-003		26.8342
Worker	0.0757	0.0502	0.5471	1.6500e-003	0.1298	1.1100e-003	0.1309	0.0352	1.0200e-003	0.0362		164.2196	164.2196	4.3700e-003		164.3288
Total	0.6037	18.8771	5.0465	0.0476	0.9609	0.0771	1.0379	0.2686	0.0737	0.3422		5,258.377 4	5,258.377 4	0.5587		5,272.344 9

3.8 Phase 1: Excavation - 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	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308		1,794.410 7	1,794.410 7	0.5586		1,808.376 3
Total	1.1355	12.0069	12.0327	0.0178		0.6856	0.6856		0.6308	0.6308		1,794.410 7	1,794.410 7	0.5586		1,808.376 3

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	0.5893	21.0459	5.0223	0.0514	2.1203	0.0844	2.2047	0.5532	0.0808	0.6340		5,700.809 7	5,700.809 7	0.6208		5,716.329 6
Vendor	0.4522	12.7848	3.7592	0.0264	0.6837	0.0962	0.7799	0.1968	0.0920	0.2888		2,864.547 7	2,864.547 7	0.2685		2,871.260 6
Worker	1.9521	1.2950	14.1146	0.0425	4.3258	0.0286	4.3543	1.1472	0.0263	1.1735		4,236.865 7	4,236.865 7	0.1126		4,239.681 7
Total	2.9937	35.1256	22.8961	0.1204	7.1298	0.2092	7.3389	1.8972	0.1991	2.0963		12,802.22 31	12,802.22 31	1.0020		12,827.27 20

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	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,794.410 7	1,794.410 7	0.5586		1,808.376 3
Total	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,794.410 7	1,794.410 7	0.5586		1,808.376 3

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	0.5893	21.0459	5.0223	0.0514	1.6415	0.0844	1.7259	0.4357	0.0808	0.5165		5,700.809 7	5,700.809 7	0.6208		5,716.329 6
Vendor	0.4522	12.7848	3.7592	0.0264	0.5568	0.0962	0.6530	0.1656	0.0920	0.2576		2,864.547 7	2,864.547 7	0.2685		2,871.260 6
Worker	1.9521	1.2950	14.1146	0.0425	3.3480	0.0286	3.3765	0.9072	0.0263	0.9335		4,236.865 7	4,236.865 7	0.1126		4,239.681 7
Total	2.9937	35.1256	22.8961	0.1204	5.5463	0.2092	5.7554	1.5085	0.1991	1.7076		12,802.22 31	12,802.22 31	1.0020		12,827.27 20

3.8 Phase 1: Excavation - 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	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.062 1	1,765.062 1	0.5585		1,779.023 3
Total	1.0135	10.5807	11.9463	0.0178		0.5834	0.5834		0.5367	0.5367		1,765.062 1	1,765.062 1	0.5585		1,779.023 3

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	0.5671	19.9639	5.0010	0.0508	1.9601	0.0773	2.0374	0.5139	0.0740	0.5879		5,649.175 2	5,649.175 2	0.6140		5,664.525 4

Vendor	0.4183	12.1551	3.5242	0.0262	0.6837	0.0836	0.7672	0.1968	0.0799	0.2767		2,849.999 9	2,849.999 9	0.2596		2,856.489 3
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.544 2	4,124.544 2	0.1016		4,127.084 7
Total	2.7847	33.2685	21.3070	0.1184	6.9695	0.1898	7.1593	1.8578	0.1805	2.0384		12,623.71 93	12,623.71 93	0.9752		12,648.09 93

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	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,765.062 1	1,765.062 1	0.5585		1,779.023 3
Total	0.4380	9.1108	13.5041	0.0178		0.5313	0.5313		0.5313	0.5313	0.0000	1,765.062 1	1,765.062 1	0.5585		1,779.023 3

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	0.5671	19.9639	5.0010	0.0508	1.5229	0.0773	1.6002	0.4066	0.0740	0.4806		5,649.175 2	5,649.175 2	0.6140		5,664.525 4
Vendor	0.4183	12.1551	3.5242	0.0262	0.5568	0.0836	0.6403	0.1656	0.0799	0.2455		2,849.999 9	2,849.999 9	0.2596		2,856.489 3
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.544 2	4,124.544 2	0.1016		4,127.084 7
Total	2.7847	33.2685	21.3070	0.1184	5.4277	0.1898	5.6174	1.4794	0.1805	1.6599		12,623.71 93	12,623.71 93	0.9752		12,648.09 93

3.9 Phase 1: Foundation - 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	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.525 3	3,486.525 3	0.4240		3,497.125 3
Total	3.2192	24.6028	21.2951	0.0375		1.4082	1.4082		1.3878	1.3878		3,486.525 3	3,486.525 3	0.4240		3,497.125 3

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	0.6086	21.4247	5.3669	0.0545	1.2423	0.0830	1.3253	0.3401	0.0794	0.4195		6,062.529 5	6,062.529 5	0.6589		6,079.002 8
Vendor	0.4144	12.0415	3.4912	0.0260	0.6773	0.0828	0.7601	0.1949	0.0792	0.2741		2,823.364 4	2,823.364 4	0.2572		2,829.793 1
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.544 2	4,124.544 2	0.1016		4,127.084 7
Total	2.8223	34.6157	21.6400	0.1219	6.2453	0.1947	6.4400	1.6822	0.1852	1.8674		13,010.43 81	13,010.43 81	1.0177		13,035.88 06

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	0.8669	17.8445	21.8956	0.0375		1.1299	1.1299		1.1299	1.1299	0.0000	3,486.525 3	3,486.525 3	0.4240		3,497.125 3
Total	0.8669	17.8445	21.8956	0.0375		1.1299	1.1299		1.1299	1.1299	0.0000	3,486.525 3	3,486.525 3	0.4240		3,497.125 3

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	0.6086	21.4247	5.3669	0.0545	0.9970	0.0830	1.0800	0.2799	0.0794	0.3593		6,062.529 5	6,062.529 5	0.6589		6,079.002 8
Vendor	0.4144	12.0415	3.4912	0.0260	0.5516	0.0828	0.6344	0.1641	0.0792	0.2432		2,823.364 4	2,823.364 4	0.2572		2,829.793 1
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.544 2	4,124.544 2	0.1016		4,127.084 7
Total	2.8223	34.6157	21.6400	0.1219	4.8966	0.1947	5.0913	1.3512	0.1852	1.5364		13,010.43 81	13,010.43 81	1.0177		13,035.88 06

3.10 Phase 1: Structural Concrete - 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	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.566 5	3,417.566 5	0.4168		3,427.987 6

Total	3.1390	24.1002	20.8742	0.0366		1.3886	1.3886		1.3683	1.3683		3,417.5665	3,417.5665	0.4168		3,427.9876
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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	0.4144	12.0415	3.4912	0.0260	0.6773	0.0828	0.7601	0.1949	0.0792	0.2741		2,823.3644	2,823.3644	0.2572		2,829.7931
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2137	13.1910	16.2731	0.0674	5.0030	0.1117	5.1147	1.3421	0.1058	1.4479		6,947.9086	6,947.9086	0.3588		6,956.8778

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	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876
Total	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,417.5665	3,417.5665	0.4168		3,427.9876

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	0.4144	12.0415	3.4912	0.0260	0.5516	0.0828	0.6344	0.1641	0.0792	0.2432		2,823.364 4	2,823.364 4	0.2572		2,829.793 1
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.544 2	4,124.544 2	0.1016		4,127.084 7
Total	2.2137	13.1910	16.2731	0.0674	3.8996	0.1117	4.0112	1.0713	0.1058	1.1771		6,947.908 6	6,947.908 6	0.3588		6,956.877 8

3.10 Phase 1: Structural Concrete - 2020

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	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.143 5	3,405.143 5	0.3917		3,414.935 9
Total	2.8203	22.1895	20.5476	0.0366		1.2068	1.2068		1.1890	1.1890		3,405.143 5	3,405.143 5	0.3917		3,414.935 9

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
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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
Vendor	0.3536	11.0392	3.1947	0.0258	0.6773	0.0586	0.7359	0.1949	0.0561	0.2510	2,803.340	2,803.340	0.2442	2,809.444
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736	3,992.373	3,992.373	0.0911	3,994.651
Total	2.0343	12.0689	14.9029	0.0658	5.0030	0.0872	5.0902	1.3421	0.0824	1.4245	6,795.713	6,795.713	0.3353	6,804.095

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	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,405.143	3,405.143	0.3917		3,414.935
Total	0.8669	17.8445	21.8956	0.0366		1.1299	1.1299		1.1299	1.1299	0.0000	3,405.143	3,405.143	0.3917		3,414.935

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	0.3536	11.0392	3.1947	0.0258	0.5516	0.0586	0.6102	0.1640	0.0561	0.2201		2,803.340	2,803.340	0.2442		2,809.444

Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.373 8	3,992.373 8	0.0911		3,994.651 1
Total	2.0343	12.0689	14.9029	0.0658	3.8995	0.0872	3.9867	1.0713	0.0824	1.1537		6,795.713 9	6,795.713 9	0.3353		6,804.095 4

3.11 Phase 1: Rough Interior Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365			48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365			48.9768	48.9768	0.0155		49.3642

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	0.4457	12.9503	3.7547	0.0280	0.7284	0.0890	0.8174	0.2096	0.0852	0.2948		3,036.448 5	3,036.448 5	0.2766		3,043.362 4
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.544 2	4,124.544 2	0.1016		4,127.084 7
Total	2.2450	14.0998	16.5366	0.0693	5.0542	0.1179	5.1721	1.3568	0.1118	1.4686		7,160.992 7	7,160.992 7	0.3782		7,170.447 1

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.4457	12.9503	3.7547	0.0280	0.5932	0.0890	0.6822	0.1764	0.0852	0.2616		3,036.4485	3,036.4485	0.2766		3,043.3624
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2450	14.0998	16.5366	0.0693	3.9412	0.1179	4.0591	1.0836	0.1118	1.1954		7,160.9927	7,160.9927	0.3782		7,170.4471

3.11 Phase 1: Rough Interior Fit Out - 2020

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
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Category	lb/day										lb/day					
Off-Road	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962

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	0.3803	11.8723	3.4358	0.0277	0.7284	0.0630	0.7914	0.2096	0.0603	0.2699		3,014.9129	3,014.9129	0.2626		3,021.4778
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0610	12.9020	15.1440	0.0678	5.0541	0.0916	5.1458	1.3568	0.0866	1.4435		7,007.2867	7,007.2867	0.3537		7,016.1289

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3803	11.8723	3.4358	0.0277	0.5932	0.0630	0.6562	0.1764	0.0603	0.2367		3,014.9129	3,014.9129	0.2626		3,021.4778
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0610	12.9020	15.1440	0.0678	3.9412	0.0916	4.0328	1.0836	0.0866	1.1703		7,007.2867	7,007.2867	0.3537		7,016.1289

3.12 Phase 1: Interior Finish Fit Out - 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	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642
Total	0.1045	0.4722	0.5028	4.9000e-004		0.0397	0.0397		0.0365	0.0365		48.9768	48.9768	0.0155		49.3642

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	0.4457	12.9503	3.7547	0.0280	0.7284	0.0890	0.8174	0.2096	0.0852	0.2948		3,036.448 5	3,036.448 5	0.2766		3,043.362 4
Worker	1.7993	1.1495	12.7819	0.0414	4.3258	0.0289	4.3547	1.1472	0.0266	1.1738		4,124.544 2	4,124.544 2	0.1016		4,127.084 7
Total	2.2450	14.0998	16.5366	0.0693	5.0542	0.1179	5.1721	1.3568	0.1118	1.4686		7,160.992 7	7,160.992 7	0.3782		7,170.447 1

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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	48.9768	48.9768	0.0155		49.3642

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	0.0000	0.0000
Vendor	0.4457	12.9503	3.7547	0.0280	0.5932	0.0890	0.6822	0.1764	0.0852	0.2616		3,036.4485	3,036.4485	0.2766		3,043.3624
Worker	1.7993	1.1495	12.7819	0.0414	3.3480	0.0289	3.3769	0.9072	0.0266	0.9338		4,124.5442	4,124.5442	0.1016		4,127.0847
Total	2.2450	14.0998	16.5366	0.0693	3.9412	0.1179	4.0591	1.0836	0.1118	1.1954		7,160.9927	7,160.9927	0.3782		7,170.4471

3.12 Phase 1: Interior Finish Fit Out - 2020

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	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962
Total	0.0973	0.4570	0.4904	4.9000e-004		0.0368	0.0368		0.0338	0.0338		47.9088	47.9088	0.0155		48.2962

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	0.3803	11.8723	3.4358	0.0277	0.7284	0.0630	0.7914	0.2096	0.0603	0.2699		3,014.9129	3,014.9129	0.2626		3,021.4778
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511

Total	2.0610	12.9020	15.1440	0.0678	5.0541	0.0916	5.1458	1.3568	0.0866	1.4435		7,007.2867	7,007.2867	0.3537		7,016.1289
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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	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962
Total	0.0263	0.4201	0.3720	4.9000e-004		0.0254	0.0254		0.0254	0.0254	0.0000	47.9088	47.9088	0.0155		48.2962

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	0.3803	11.8723	3.4358	0.0277	0.5932	0.0630	0.6562	0.1764	0.0603	0.2367		3,014.9129	3,014.9129	0.2626		3,021.4778
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.0610	12.9020	15.1440	0.0678	3.9412	0.0916	4.0328	1.0836	0.0866	1.1703		7,007.2867	7,007.2867	0.3537		7,016.1289

3.13 Phase 1: Landscaping/ TCO/ Punchlist - 2020

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	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511
Total	1.1955	10.6730	8.5317	0.0203		0.5114	0.5114		0.4823	0.4823		1,954.6546	1,954.6546	0.5399		1,968.1511

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	0.2101	7.5574	1.9855	0.0205	0.4726	0.0246	0.4972	0.1294	0.0235	0.1529		2,280.4884	2,280.4884	0.2457		2,286.6313
Vendor	0.3603	11.2474	3.2550	0.0263	0.6900	0.0597	0.7498	0.1986	0.0571	0.2557		2,856.2332	2,856.2332	0.2488		2,862.4527
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.2510	19.8345	16.9487	0.0868	5.4884	0.1129	5.6013	1.4752	0.1070	1.5822		9,129.0954	9,129.0954	0.5856		9,143.7351

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	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	1,954.654 6	1,954.654 6	0.5399		1,968.151 1
Total	0.4785	9.7943	11.7903	0.0203		0.4854	0.4854		0.4854	0.4854	0.0000	1,954.654 6	1,954.654 6	0.5399		1,968.151 1

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	0.2101	7.5574	1.9855	0.0205	0.3793	0.0246	0.4039	0.1065	0.0235	0.1300		2,280.488 4	2,280.488 4	0.2457		2,286.631 3
Vendor	0.3603	11.2474	3.2550	0.0263	0.5620	0.0597	0.6217	0.1671	0.0571	0.2243		2,856.233 2	2,856.233 2	0.2488		2,862.452 7
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.373 8	3,992.373 8	0.0911		3,994.651 1
Total	2.2510	19.8345	16.9487	0.0868	4.2892	0.1129	4.4022	1.1808	0.1070	1.2878		9,129.095 4	9,129.095 4	0.5856		9,143.735 1

3.14 Phase 2: Site Demolition/ Clearing - 2020

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					1.3637	0.0000	1.3637	0.2065	0.0000	0.2065			0.0000			0.0000
Off-Road	2.8102	24.3333	27.9113	0.0432		1.4583	1.4583		1.3970	1.3970		4,139.168 3	4,139.168 3	0.8458		4,160.313 1
Total	2.8102	24.3333	27.9113	0.0432	1.3637	1.4583	2.8220	0.2065	1.3970	1.6035		4,139.168 3	4,139.168 3	0.8458		4,160.313 1

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	0.0486	1.7465	0.4589	4.7300e-003	0.1092	5.6900e-003	0.1149	0.0299	5.4400e-003	0.0353		527.0220	527.0220	0.0568		528.4416
Vendor	6.6700e-003	0.2083	0.0603	4.9000e-004	0.0128	1.1100e-003	0.0139	3.6800e-003	1.0600e-003	4.7400e-003		52.8932	52.8932	4.6100e-003		53.0084
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		257.9053	257.9053	5.8800e-003		258.0524
Total	0.1638	2.0213	1.2755	7.8100e-003	0.4014	8.6500e-003	0.4101	0.1077	8.2000e-003	0.1159		837.8205	837.8205	0.0673		839.5024

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					0.5830	0.0000	0.5830	0.0883	0.0000	0.0883			0.0000			0.0000
Off-Road	0.9668	21.1846	29.8080	0.0432		1.3774	1.3774		1.3774	1.3774	0.0000	4,139.1683	4,139.1683	0.8458		4,160.3131
Total	0.9668	21.1846	29.8080	0.0432	0.5830	1.3774	1.9604	0.0883	1.3774	1.4656	0.0000	4,139.1683	4,139.1683	0.8458		4,160.3131

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	0.0486	1.7465	0.4589	4.7300e-003	0.0877	5.6900e-003	0.0933	0.0246	5.4400e-003	0.0301		527.0220	527.0220	0.0568		528.4416
Vendor	6.6700e-003	0.2083	0.0603	4.9000e-004	0.0104	1.1100e-003	0.0115	3.1000e-003	1.0600e-003	4.1500e-003		52.8932	52.8932	4.6100e-003		53.0084
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		257.9053	257.9053	5.8800e-003		258.0524
Total	0.1638	2.0213	1.2755	7.8100e-003	0.3144	8.6500e-003	0.3230	0.0863	8.2000e-003	0.0945		837.8205	837.8205	0.0673		839.5024

3.15 Phase 2: Shoring - 2020
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					0.3997	0.0000	0.3997	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	3.1846	30.2741	20.3334	0.0536		1.2759	1.2759		1.1947	1.1947		5,070.9701	5,070.9701	1.5308		5,109.2388
Total	3.1846	30.2741	20.3334	0.0536	0.3997	1.2759	1.6756	0.0605	1.1947	1.2552		5,070.9701	5,070.9701	1.5308		5,109.2388

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	0.3418	12.2974	3.2309	0.0333	0.7690	0.0400	0.8091	0.2105	0.0383	0.2488		3,710.7946	3,710.7946	0.3998		3,720.7905

Vendor	0.0100	0.3124	0.0904	7.3000e-004	0.0192	1.6600e-003	0.0208	5.5200e-003	1.5900e-003	7.1000e-003		79.3398	79.3398	6.9100e-003		79.5126
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2794	1.8500e-003	0.2813	0.0741	1.7000e-003	0.0758		257.9053	257.9053	5.8800e-003		258.0524
Total	0.4604	12.6763	4.0776	0.0366	1.0676	0.0436	1.1112	0.2902	0.0416	0.3317		4,048.0397	4,048.0397	0.4126		4,058.3554

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					0.1709	0.0000	0.1709	0.0259	0.0000	0.0259			0.0000			0.0000
Off-Road	1.4547	27.5863	30.5198	0.0536		1.2722	1.2722		1.2722	1.2722	0.0000	5,070.9701	5,070.9701	1.5308		5,109.2388
Total	1.4547	27.5863	30.5198	0.0536	0.1709	1.2722	1.4431	0.0259	1.2722	1.2981	0.0000	5,070.9701	5,070.9701	1.5308		5,109.2388

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	0.3418	12.2974	3.2309	0.0333	0.6172	0.0400	0.6572	0.1733	0.0383	0.2116		3,710.7946	3,710.7946	0.3998		3,720.7905
Vendor	0.0100	0.3124	0.0904	7.3000e-004	0.0156	1.6600e-003	0.0173	4.6400e-003	1.5900e-003	6.2300e-003		79.3398	79.3398	6.9100e-003		79.5126
Worker	0.1086	0.0665	0.7563	2.5900e-003	0.2163	1.8500e-003	0.2181	0.0586	1.7000e-003	0.0603		257.9053	257.9053	5.8800e-003		258.0524
Total	0.4604	12.6763	4.0776	0.0366	0.8491	0.0436	0.8926	0.2365	0.0416	0.2781		4,048.0397	4,048.0397	0.4126		4,058.3554

3.16 Phase 2: Excavation - 2020

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	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656		3,633.0244
Total	1.9778	20.1959	24.9701	0.0372		1.0919	1.0919		1.0046	1.0046		3,603.8852	3,603.8852	1.1656		3,633.0244

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	0.4294	15.4497	4.0591	0.0418	0.9661	0.0503	1.0165	0.2645	0.0481	0.3126		4,662.0216	4,662.0216	0.5023		4,674.5798
Vendor	0.3603	11.2474	3.2550	0.0263	0.6900	0.0597	0.7498	0.1986	0.0571	0.2557		2,856.2332	2,856.2332	0.2488		2,862.4527
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.4704	27.7268	19.0222	0.1081	5.9819	0.1386	6.1206	1.6103	0.1316	1.7419		11,510.6287	11,510.6287	0.8422		11,531.6835

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	0.9139	19.0889	28.1792	0.0372		1.1234	1.1234		1.1234	1.1234	0.0000	3,603.885 2	3,603.885 2	1.1656		3,633.024 4
Total	0.9139	19.0889	28.1792	0.0372		1.1234	1.1234		1.1234	1.1234	0.0000	3,603.885 2	3,603.885 2	1.1656		3,633.024 4

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	0.4294	15.4497	4.0591	0.0418	0.7754	0.0503	0.8257	0.2177	0.0481	0.2658		4,662.021 6	4,662.021 6	0.5023		4,674.579 8
Vendor	0.3603	11.2474	3.2550	0.0263	0.5620	0.0597	0.6217	0.1671	0.0571	0.2243		2,856.233 2	2,856.233 2	0.2488		2,862.452 7
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.373 8	3,992.373 8	0.0911		3,994.651 1
Total	2.4704	27.7268	19.0222	0.1081	4.6853	0.1386	4.8240	1.2920	0.1316	1.4236		11,510.62 87	11,510.62 87	0.8422		11,531.68 35

3.17 Phase 2: Foundation - 2020

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	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.269 8	7,150.269 8	0.8187		7,170.737 0

Total	6.0361	46.8569	43.1709	0.0779		2.5098	2.5098		2.4743	2.4743		7,150.2698	7,150.2698	0.8187		7,170.7370
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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	0.4197	15.0985	3.9668	0.0409	1.6611	0.0492	1.7103	0.4345	0.0470	0.4815		4,556.0666	4,556.0666	0.4909		4,568.3393
Vendor	0.3536	11.0392	3.1947	0.0258	0.6773	0.0586	0.7359	0.1949	0.0561	0.2510		2,803.3400	2,803.3400	0.2442		2,809.4443
Worker	1.6807	1.0297	11.7082	0.0400	4.3258	0.0286	4.3544	1.1472	0.0263	1.1736		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.4540	27.1674	18.8697	0.1067	6.6642	0.1364	6.8005	1.7766	0.1294	1.9060		11,351.7804	11,351.7804	0.8262		11,372.4347

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	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370
Total	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.2698	7,150.2698	0.8187		7,170.7370

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	0.4197	15.0985	3.9668	0.0409	1.2883	0.0492	1.3375	0.3429	0.0470	0.3900		4,556.0666	4,556.0666	0.4909		4,568.3393
Vendor	0.3536	11.0392	3.1947	0.0258	0.5516	0.0586	0.6102	0.1640	0.0561	0.2201		2,803.3400	2,803.3400	0.2442		2,809.4443
Worker	1.6807	1.0297	11.7082	0.0400	3.3480	0.0286	3.3766	0.9072	0.0263	0.9336		3,992.3738	3,992.3738	0.0911		3,994.6511
Total	2.4540	27.1674	18.8697	0.1067	5.1879	0.1364	5.3242	1.4142	0.1294	1.5436		11,351.7804	11,351.7804	0.8262		11,372.4347

3.17 Phase 2: Foundation - 2021

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	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320
Total	5.4928	43.2038	42.5750	0.0779		2.1894	2.1894		2.1579	2.1579		7,150.1725	7,150.1725	0.7784		7,169.6320

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
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Category	lb/day										lb/day				
Hauling	0.4002	13.9482	3.9756	0.0403	1.6611	0.0441	1.7052	0.4344	0.0422	0.4766	4,500.0520	4,500.0520	0.4843		4,512.1604
Vendor	0.2969	9.9209	2.9587	0.0255	0.6772	0.0214	0.6987	0.1949	0.0205	0.2154	2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730	3,853.8706	3,853.8706	0.0825		3,855.9337
Total	2.2785	24.7978	17.7807	0.1044	6.6641	0.0935	6.7576	1.7765	0.0885	1.8650	11,133.1260	11,133.1260	0.8012		11,153.1560

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	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320
Total	1.7339	35.6891	43.7912	0.0779		2.2597	2.2597		2.2597	2.2597	0.0000	7,150.1725	7,150.1725	0.7784		7,169.6320

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	0.4002	13.9482	3.9756	0.0403	1.2883	0.0441	1.3324	0.3429	0.0422	0.3851	4,500.0520	4,500.0520	0.4843			4,512.1604
Vendor	0.2969	9.9209	2.9587	0.0255	0.5515	0.0214	0.5730	0.1640	0.0205	0.1845	2,779.2034	2,779.2034	0.2343			2,785.0619

Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.870 6	3,853.870 6	0.0825		3,855.933 7
Total	2.2785	24.7978	17.7807	0.1044	5.1878	0.0935	5.2813	1.4142	0.0885	1.5026		11,133.12 60	11,133.12 60	0.8012		11,153.15 60

3.18 Phase 2: Structural Concrete - 2021

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	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.254 9	7,012.254 9	0.7641		7,031.356 5
Total	5.3324	42.1986	41.7331	0.0759		2.1503	2.1503		2.1188	2.1188		7,012.254 9	7,012.254 9	0.7641		7,031.356 5

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	0.2969	9.9209	2.9587	0.0255	0.6772	0.0214	0.6987	0.1949	0.0205	0.2154		2,779.203 4	2,779.203 4	0.2343		2,785.061 9
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.870 6	3,853.870 6	0.0825		3,855.933 7
Total	1.8784	10.8496	13.8051	0.0642	5.0030	0.0494	5.0524	1.3421	0.0463	1.3884		6,633.074 0	6,633.074 0	0.3169		6,640.995 6

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	1.7339	35.6891	43.7912	0.0759		2.2597	2.2597		2.2597	2.2597	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564
Total	1.7339	35.6891	43.7912	0.0759		2.2597	2.2597		2.2597	2.2597	0.0000	7,012.2549	7,012.2549	0.7641		7,031.3564

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	0.2969	9.9209	2.9587	0.0255	0.5515	0.0214	0.5730	0.1640	0.0205	0.1845		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.8784	10.8496	13.8051	0.0642	3.8995	0.0494	3.9489	1.0712	0.0463	1.1175		6,633.0740	6,633.0740	0.3169		6,640.9956

3.19 Phase 2: Rough Interior Fit Out - 2021

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
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Category	lb/day										lb/day					
Off-Road	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819
Total	0.2099	2.1905	2.0276	3.0900e-003		0.1146	0.1146		0.1054	0.1054		299.2622	299.2622	0.0968		301.6819

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	0.3417	11.4184	3.4053	0.0294	0.7795	0.0247	0.8041	0.2243	0.0236	0.2479		3,198.7058	3,198.7058	0.2697		3,205.4486
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.9232	12.3471	14.2517	0.0680	5.1052	0.0527	5.1579	1.3715	0.0494	1.4209		7,052.5764	7,052.5764	0.3522		7,061.3823

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	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.2622	299.2622	0.0968		301.6819
Total	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.2622	299.2622	0.0968		301.6819

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	0.3417	11.4184	3.4053	0.0294	0.6348	0.0247	0.6595	0.1888	0.0236	0.2124		3,198.7058	3,198.7058	0.2697		3,205.4486
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.9232	12.3471	14.2517	0.0680	3.9828	0.0527	4.0354	1.0960	0.0494	1.1454		7,052.5764	7,052.5764	0.3522		7,061.3823

3.19 Phase 2: Rough Interior Fit Out - 2022

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	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845
Total	0.1880	1.9076	2.0101	3.0900e-003		0.0995	0.0995		0.0916	0.0916		299.1656	299.1656	0.0968		301.5845

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	0.3213	10.7951	3.2834	0.0290	0.7795	0.0215	0.8009	0.2243	0.0205	0.2448		3,166.989 3	3,166.989 3	0.2608		3,173.508 5
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.247 9	3,711.247 9	0.0749		3,713.120 1
Total	1.8198	11.6364	13.3911	0.0662	5.1052	0.0489	5.1541	1.3715	0.0458	1.4173		6,878.237 2	6,878.237 2	0.3357		6,886.628 6

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	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.1656	299.1656	0.0968		301.5845
Total	0.0765	1.4780	2.3571	3.0900e-003		0.0714	0.0714		0.0714	0.0714	0.0000	299.1656	299.1656	0.0968		301.5845

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	0.3213	10.7951	3.2834	0.0290	0.6348	0.0215	0.6562	0.1888	0.0205	0.2093		3,166.9893	3,166.9893	0.2608		3,173.5085
Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.8198	11.6364	13.3911	0.0662	3.9827	0.0489	4.0317	1.0960	0.0458	1.1418		6,878.2372	6,878.2372	0.3357		6,886.6286

3.20 Phase 2: Interior Finish Fit Out - 2021

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	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590
Total	0.1832	0.8897	0.9632	9.9000e-004		0.0693	0.0693		0.0637	0.0637		95.7845	95.7845	0.0310		96.5590

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	0.3417	11.4184	3.4053	0.0294	0.7795	0.0247	0.8041	0.2243	0.0236	0.2479		3,198.7058	3,198.7058	0.2697		3,205.4486
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.8706	3,853.8706	0.0825		3,855.9337

Total	1.9232	12.3471	14.2517	0.0680	5.1052	0.0527	5.1579	1.3715	0.0494	1.4209		7,052.576	7,052.576	0.3522		7,061.382
												4	4			3

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	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	95.7845	95.7845	0.0310		96.5590
Total	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	95.7845	95.7845	0.0310		96.5590

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	0.3417	11.4184	3.4053	0.0294	0.6348	0.0247	0.6595	0.1888	0.0236	0.2124		3,198.7058	3,198.7058	0.2697		3,205.4486
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.9232	12.3471	14.2517	0.0680	3.9828	0.0527	4.0354	1.0960	0.0494	1.1454		7,052.576	7,052.576	0.3522		7,061.382
												4	4			3

3.20 Phase 2: Interior Finish Fit Out - 2022

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	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150
Total	0.1669	0.8605	0.9378	9.9000e-004		0.0631	0.0631		0.0581	0.0581		96.0384	96.0384	0.0311		96.8150

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	0.3213	10.7951	3.2834	0.0290	0.7795	0.0215	0.8009	0.2243	0.0205	0.2448		3,166.9893	3,166.9893	0.2608		3,173.5085
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.8198	11.6364	13.3911	0.0662	5.1052	0.0489	5.1541	1.3715	0.0458	1.4173		6,878.2372	6,878.2372	0.3357		6,886.6286

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	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	96.0384	96.0384	0.0311		96.8150
Total	0.0526	0.8403	0.7441	9.9000e-004		0.0508	0.0508		0.0508	0.0508	0.0000	96.0384	96.0384	0.0311		96.8150

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	0.3213	10.7951	3.2834	0.0290	0.6348	0.0215	0.6562	0.1888	0.0205	0.2093		3,166.9893	3,166.9893	0.2608		3,173.5085
Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.8198	11.6364	13.3911	0.0662	3.9827	0.0489	4.0317	1.0960	0.0458	1.1418		6,878.2372	6,878.2372	0.3357		6,886.6286

3.21 Phase 3: Site Demolition/ Clearing - 2021

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					0.8153	0.0000	0.8153	0.1234	0.0000	0.1234			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.8153	1.5513	2.3666	0.1234	1.4411	1.5645		3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0280	0.9774	0.2786	2.8200e-003	0.0662	3.0900e-003	0.0693	0.0181	2.9600e-003	0.0211		315.3431	315.3431	0.0339		316.1916
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	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0893	1.0134	0.6990	4.3200e-003	0.2338	4.1800e-003	0.2380	0.0626	3.9600e-003	0.0665		464.7180	464.7180	0.0371		465.6464

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					0.3485	0.0000	0.3485	0.0528	0.0000	0.0528			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.9246	18.3130	24.6739	0.0388	0.3485	0.8627	1.2113	0.0528	0.8627	0.9155	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0280	0.9774	0.2786	2.8200e-003	0.0531	3.0900e-003	0.0562	0.0149	2.9600e-003	0.0179		315.3431	315.3431	0.0339		316.1916
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	0.0613	0.0360	0.4204	1.5000e-003	0.1298	1.0900e-003	0.1309	0.0352	1.0000e-003	0.0362		149.3748	149.3748	3.2000e-003		149.4548
Total	0.0893	1.0134	0.6990	4.3200e-003	0.1829	4.1800e-003	0.1870	0.0501	3.9600e-003	0.0540		464.7180	464.7180	0.0371		465.6464

3.22 Phase 3: Grading - 2021

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.6656	50.7509	35.9758	0.0705		2.2229	2.2229		2.0585	2.0585		6,818.1406	6,818.1406	2.0354		6,869.0260
Total	4.6656	50.7509	35.9758	0.0705	8.6733	2.2229	10.8963	3.5965	2.0585	5.6550		6,818.1406	6,818.1406	2.0354		6,869.0260

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	0.2969	9.9209	2.9587	0.0255	0.6772	0.0214	0.6987	0.1949	0.0205	0.2154		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	4.3258	0.0280	4.3538	1.1472	0.0258	1.1730		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.8784	10.8496	13.8051	0.0642	5.0030	0.0494	5.0524	1.3421	0.0463	1.3884		6,633.0740	6,633.0740	0.3169		6,640.9956

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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	1.7021	34.0661	42.2428	0.0705		1.5859	1.5859		1.5859	1.5859	0.0000	6,818.1406	6,818.1406	2.0354		6,869.0259
Total	1.7021	34.0661	42.2428	0.0705	3.7079	1.5859	5.2937	1.5375	1.5859	3.1234	0.0000	6,818.1406	6,818.1406	2.0354		6,869.0259

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	0.2969	9.9209	2.9587	0.0255	0.5515	0.0214	0.5730	0.1640	0.0205	0.1845		2,779.2034	2,779.2034	0.2343		2,785.0619
Worker	1.5815	0.9287	10.8464	0.0386	3.3480	0.0280	3.3760	0.9072	0.0258	0.9330		3,853.8706	3,853.8706	0.0825		3,855.9337
Total	1.8784	10.8496	13.8051	0.0642	3.8995	0.0494	3.9489	1.0712	0.0463	1.1175		6,633.0740	6,633.0740	0.3169		6,640.9956

3.22 Phase 3: Grading - 2022

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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.0578	42.8190	34.1162	0.0706		1.8381	1.8381		1.7028	1.7028		6,822.7195	6,822.7195	2.0347		6,873.5871
Total	4.0578	42.8190	34.1162	0.0706	8.6733	1.8381	10.5115	3.5965	1.7028	5.2993		6,822.7195	6,822.7195	2.0347		6,873.5871

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	0.2792	9.3794	2.8528	0.0252	0.6772	0.0187	0.6959	0.1949	0.0179	0.2127		2,751.6465	2,751.6465	0.2266		2,757.3106
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.7777	10.2207	12.9605	0.0624	5.0030	0.0461	5.0491	1.3421	0.0431	1.3852		6,462.8943	6,462.8943	0.3015		6,470.4308

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					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	1.7021	34.0661	42.2428	0.0706		1.5859	1.5859		1.5859	1.5859	0.0000	6,822.7195	6,822.7195	2.0347		6,873.5871
Total	1.7021	34.0661	42.2428	0.0706	3.7079	1.5859	5.2937	1.5375	1.5859	3.1234	0.0000	6,822.7195	6,822.7195	2.0347		6,873.5871

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	0.2792	9.3794	2.8528	0.0252	0.5515	0.0187	0.5702	0.1640	0.0179	0.1819		2,751.6465	2,751.6465	0.2266		2,757.3106
Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.2479	3,711.2479	0.0749		3,713.1201
Total	1.7777	10.2207	12.9605	0.0624	3.8995	0.0461	3.9456	1.0712	0.0431	1.1144		6,462.8943	6,462.8943	0.3015		6,470.4308

3.23 Phase 3: Reconfigure Parking Lot - 2022

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	0.7559	6.9709	9.1038	0.0144		0.3657	0.3657		0.3430	0.3430		1,385.2782	1,385.2782	0.3753		1,394.6613

Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7858	6.9709	9.1038	0.0144		0.3657	0.3657		0.3430	0.3430			1,385.278	1,385.278	0.3753	1,394.661
													2	2		3

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	0.2982	0.1674	2.0111	7.4000e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		738.4137	738.4137	0.0149		738.7862
Total	0.2982	0.1674	2.0111	7.4000e-003	0.8607	5.4600e-003	0.8661	0.2283	5.0300e-003	0.2333		738.4137	738.4137	0.0149		738.7862

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	0.3399	7.0046	10.4803	0.0144		0.3998	0.3998		0.3998	0.3998	0.0000	1,385.278	1,385.278	0.3753		1,394.661
Paving	0.0298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3697	7.0046	10.4803	0.0144		0.3998	0.3998		0.3998	0.3998	0.0000	1,385.278	1,385.278	0.3753		1,394.661
												2	2			3

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	0.2982	0.1674	2.0111	7.4000e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		738.4137	738.4137	0.0149		738.7862
Total	0.2982	0.1674	2.0111	7.4000e-003	0.6661	5.4600e-003	0.6716	0.1805	5.0300e-003	0.1855		738.4137	738.4137	0.0149		738.7862

3.24 Phase 2: Landscaping/ TCO/ Punchlist - 2022

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	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520
Total	1.9317	15.1347	16.0296	0.0406		0.6901	0.6901		0.6523	0.6523		3,910.9766	3,910.9766	1.0710		3,937.7520

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
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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	0.2897	9.7333	2.9605	0.0262	0.7028	0.0194	0.7221	0.2022	0.0185	0.2208		2,855.482 2	2,855.482 2	0.2351	2,861.360 1
Worker	1.4985	0.8413	10.1077	0.0372	4.3258	0.0275	4.3532	1.1472	0.0253	1.1725		3,711.247 9	3,711.247 9	0.0749	3,713.120 1
Total	1.7882	10.5746	13.0681	0.0634	5.0285	0.0468	5.0753	1.3495	0.0438	1.3933		6,566.730 0	6,566.730 0	0.3100	6,574.480 2

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	0.9570	19.5886	23.5805	0.0406		0.9708	0.9708		0.9708	0.9708	0.0000	3,910.976 6	3,910.976 6	1.0710		3,937.752 0
Total	0.9570	19.5886	23.5805	0.0406		0.9708	0.9708		0.9708	0.9708	0.0000	3,910.976 6	3,910.976 6	1.0710		3,937.752 0

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	0.2897	9.7333	2.9605	0.0262	0.5723	0.0194	0.5917	0.1702	0.0185	0.1887		2,855.482 2	2,855.482 2	0.2351		2,861.360 1

Worker	1.4985	0.8413	10.1077	0.0372	3.3480	0.0275	3.3754	0.9072	0.0253	0.9325		3,711.247 9	3,711.247 9	0.0749		3,713.120 1
Total	1.7882	10.5746	13.0681	0.0634	3.9203	0.0468	3.9671	1.0774	0.0438	1.1212		6,566.730 0	6,566.730 0	0.3100		6,574.480 2

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

	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	1.6320	6.5739	19.8951	0.0754	7.1387	0.0571	7.1958	1.9090	0.0531	1.9621		7,661.456 5	7,661.456 5	0.3244		7,669.565 4
Unmitigated	1.7376	7.2326	22.6538	0.0882	8.4146	0.0661	8.4807	2.2502	0.0614	2.3116		8,966.329 8	8,966.329 8	0.3720		8,975.629 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	1,086.80	1,086.80	1086.80	3,713,761	3,150,619
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	132.96	132.96	132.96	252,969	214,610
Total	1,219.76	1,219.76	1,219.76	3,966,730	3,365,228

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Land Use	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Condo/Townhouse High Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
NaturalGas Unmitigated	0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

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					
City Park	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
Condo/Townhouse High Rise	10005.5	0.1079	0.9221	0.3924	5.8900e-003		0.0746	0.0746		0.0746	0.0746		1,177.1233	1,177.1233	0.0226	0.0216	1,184.1183
Enclosed Parking with Elevator	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
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
Strip Mall	16.5205	1.8000e-004	1.6200e-003	1.3600e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.9436	1.9436	4.0000e-005	4.0000e-005	1.9551
Total		0.1081	0.9237	0.3937	5.9000e-003		0.0747	0.0747		0.0747	0.0747		1,179.0669	1,179.0669	0.0226	0.0216	1,186.0735

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					
City Park	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
Condo/Townhouse High Rise	8.30417	0.0896	0.7653	0.3257	4.8800e-003		0.0619	0.0619		0.0619	0.0619		976.9614	976.9614	0.0187	0.0179	982.7670
Enclosed Parking with Elevator	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
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
Strip Mall	0.0143112	1.5000e-004	1.4000e-003	1.1800e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		1.6837	1.6837	3.0000e-005	3.0000e-005	1.6937

Total		0.0897	0.7667	0.3268	4.8900e-003		0.0620	0.0620		0.0620	0.0620		978.6451	978.6451	0.0188	0.0179	984.4607
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6.0 Area Detail

6.1 Mitigation Measures Area

	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	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
Unmitigated	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982

Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391
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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	0.4861					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4542	3.8817	1.6518	0.0248		0.3138	0.3138		0.3138	0.3138	0.0000	4,955.2941	4,955.2941	0.0950	0.0909	4,984.7410
Landscaping	0.6544	0.2482	21.5361	1.1400e-003		0.1189	0.1189		0.1189	0.1189		38.7578	38.7578	0.0376		39.6982
Total	6.8907	4.1299	23.1879	0.0259		0.4327	0.4327		0.4327	0.4327	0.0000	4,994.0519	4,994.0519	0.1326	0.0909	5,024.4391

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

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
