



NOTICE OF AVAILABILITY

Recirculated Portions of the Draft Environmental Impact Report for the *Avila Ranch Development Project* Project # SPEC/ER 1318-2015 State Clearinghouse # 2015081034

**45-Day Public Review Period:
February 21, 2017 through April 7, 2017**

Notice is hereby given that the City of San Luis Obispo (City), as lead agency, has prepared and is recirculating portions of the Draft Environmental Impact Report (Draft EIR) for the Avila Ranch Development Project (Project) for public review and comment pursuant to the California Environmental Quality Act. (Pub. Resources Code, section 21092.1; CEQA Guidelines, section 15088.5.) Notice is provided pursuant to CEQA Guidelines section 15088.5(d). The portions of the Draft EIR being recirculated relate to the Project's energy impacts and include portions of Section 4.0, *Other CEQA Sections*.

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PROJECT TITLE: Avila Ranch Development Project

Project Location

The Project is proposed for a 150-acre site comprising three adjacent parcels (APN 053-259-004, -005, and -006) within southern end of the City's jurisdictional boundary. The site is located at the northeast corner of Buckley Road and Vachell Lane. The Project site is currently undeveloped and has historically been used for agriculture.

Project Description

The Project involves the adoption of the Avila Ranch Development Plan (Development Plan), including an amendment to the Airport Area Specific Plan (AASP), a rezone, and related actions to permit a mix of residential uses (68.23 acres), neighborhood commercial uses (3.34 acres), and open space/park uses (71.30 acres). The Project would result in construction of approximately 720 residential units, including 410 single-family units and 310 multi-family units. The Project would also include 15,000 sf of leasable Neighborhood Commercial space concentrated in the eastern portion of the Project site in a proposed Town Center. It is anticipated that the Town Center would provide small offices, retail shops, and service uses.

Draft EIR

The Draft EIR was prepared and circulated for review from November 23, 2016 to January 11, 2017. The review period was extended to January 18, 2017 to provide additional time for comment. The City will respond to all comments on the Draft EIR received prior to January 18, 2017.

Identified Potential Environmental Impacts:

- Aesthetics and Visual Resources
- Agricultural Resources
- Air Quality and Greenhouse Gas Emissions
- Biological Resources
- Cultural Resources
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Population and Housing
- Public Services
- Transportation and Traffic
- Utilities

Recirculated Portions of the Draft EIR

The portions of the Draft EIR being recirculated ("Recirculated Portions") relate to the Project's energy impacts. Pursuant to CEQA Guidelines section 15088.5(c), if the revisions subject to recirculation are limited to a few portions of the Draft EIR, the lead agency need only recirculate the portions that have been modified. The City has determined that additional analysis relating to energy impacts should be incorporated into the Draft EIR and recirculated for public review and comment. The Recirculated Portions of the Draft EIR include revisions to the portions of the Draft EIR specifically regarding: Section 4.0, *Other CEQA Sections*. The portions of the Draft EIR that have been modified include pages within Section 4.3.3, *Energy Conservation*.

Public Review:

The 45-day public review period for the Recirculated Portions will commence on Tuesday, February 21, 2017 and end on Friday, April 7, 2017 for interested individuals to submit comments on the document.

Comments should be provided in writing no later than 5:00 P.M, on April 7, 2017 to:

City of San Luis Obispo
Community Development Department
Attn: Tyler Corey, Principal Planner
919 Palm Street
San Luis Obispo, CA 93401-3218
or
tcorey@slocity.org

The City will respond to new comments related to the Recirculated Portions submitted prior to April 7, 2017. New comments that do not relate to the material that has been included in this recirculated document will not receive a response. (See CEQA Guidelines, section 15088.5(f).)

After all comments on the Draft EIR and the Recirculated Portions have been received, a Final EIR will be prepared and additional public hearings will be held. Additional information can also be found on the Project webpage: <http://slocity.org/government/department-directory/community-development/planning-zoning/specific-area-plans/avila-ranch>.

Available Copies

The Recirculated Portions as well as the Draft EIR are available for review online at: <http://www.slocity.org/government/department-directory/community-development/documents-online/environmental-review-documents>. Hardcopies of the Recirculated Portions, the Draft EIR, and all documents referenced therein are available for review at City Hall. Copies of the Recirculated Portions and Draft EIR are also available at local libraries.

PREFACE

Consistent with Section 15088.5 of the Guidelines for Implementation of the California Environmental Quality Act (CEQA), this recirculated portion of the Draft Environmental Impact Report (EIR) for the Avila Ranch Development Project (Project) includes a new Section 4.3.3 to provide additional information related to Energy Conservation for public review. Per CEQA Guidelines, a lead agency is required to recirculate an EIR when significant new information is added to the EIR after public notice is given of the availability of the Draft EIR for public review and comment under Section 15087 but before certification. As CEQA Guidelines clarify that “if the revision is limited to a few chapters or portions of the EIR, the lead agency need only recirculate the chapters or portions that have been modified”, the portions of Section 4.0, *Other CEQA Sections* subject to recirculated public review and comment are included below; other subsections of Section 4.0, *Other CEQA Sections* are not subject to additional public review and comment.

The intent of this recirculation is to clarify information related to energy conservation that is generally already within the EIR document, but may be difficult for the public to find in one location. By consolidating information related to the Project’s energy demand and conservation in one location, and expanding on the discussion, the public may gain a better understanding of the issue. It should be noted that as a result of this new discussion, no new significant impacts or mitigation measures were identified.

This recirculation also includes the relevant portions of Appendix H as originally contained in the Draft EIR, updated to with Attachment A to show a detailed calculation sheet for fuel consumption as it relates to the energy conservation analysis.

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4.0 OTHER CEQA SECTIONS

4.3 EFFECTS FOUND NOT TO BE SIGNIFICANT

4.3.3 Energy Conservation

Per Appendix F of the CEQA Guidelines and Public Resources Code Section 21100(b)(2), an EIR must disclose and discuss the potential for the project to result in impacts on energy conservation and/or consumption. A project may have the potential to cause such impacts if it would result in the inefficient, wasteful, or unnecessary consumption of energy, including electricity, natural gas, or transportation fuel supplies and/or resources.

The Project's anticipated energy demand (including fuel consumption), energy conserving features, and required mitigation measures that have an effect on energy conservation are evaluated in this section to determine whether the Project would result in unnecessary or wasteful energy consumption. The discussion of the Project's anticipated energy demands includes natural gas, electricity, and fuel consumption during construction and operations of the Project.

4.3.3.1 Existing Energy Consumption

A description of existing energy sources, energy consumption in California, existing energy service providers serving the City, and existing energy infrastructure in the Project vicinity is provided in Section 3.13.2.4, *Energy Services* within Section 3.13, *Utilities*.

As described in Section 3.13, *Utilities*, electrical and natural gas services for the City and Project area are provided by Pacific Gas and Electric Company (PG&E) and Southern California Gas Company (SoCal Gas), respectively. In 2015, PG&E provided 85,988.75 gigawatt-hours (GWh) of electricity to nearly 16 million customers across a service area of 700,000 square miles (CEC 2017; PG&E 2017). In the same year, SoCal Gas provided a total of 4,946.74 million therms of natural gas to nearly 21.6 million customers across its 20,000 square mile service area (CEC 2017; SoCal Gas 2017). Within the County, total demand for PG&E electrical services was 1,716.97 GWh, and total demand for SoCal Gas natural gas services was 77.7 million therms in 2015. Total state and countywide energy demands, including per capita calculations of energy demands based on 2015 populations, are provided in Table 4-1, below.

Table 4-1 2015 County and State Energy Demands

	2015 Population	Total 2015 Energy Demand		2015 Energy Demand Per Capita	
		Natural Gas Demand (therms)	Electricity Demand (MWh)	Natural Gas Demand (therms)	Electricity Demand (MWh)
County	281,401	77,699,926	1,716,968.9	276.1	6.1
State	39,144,818	10,054,479,145	282,896,292.3	256.6	7.2

Source: CEC 2017; U.S. Census Bureau 2015.

The California Department of Transportation (Caltrans) reports that approximately 24.4 million automobiles, 5.6 million trucks, and 880,588 motorcycles were registered in the state in 2016, resulting in a total estimated 334.7 billion vehicles miles traveled (VMT) (Caltrans 2016a) and 15.1 billion gallons of gasoline consumed (CEC 2016). Within the County, an estimated 3.03 million vehicle miles were traveled in 2016, accounting for approximately 0.00009 percent of the state’s total VMT (Caltrans 2016b).

The State of California strongly supports production and use of renewable energy sources, including solar photovoltaic (PV), wind, hydrologic, and biomass. For example, in-state operating capacity of renewable resources was 26,300 MW as of October 31, 2016. This total includes a little more than 5,200 MW of self-generation capacity, almost 5,100 MW of which is self-generation solar photovoltaic (PV). The state’s renewable energy portfolio includes wind (6,000 MW), solar photovoltaic (PV) (13,000 MW), geothermal (2,700 MW), small hydrologic (1,800 MW), solar thermal (1,300 MW) and biomass (1,300 MW) (CEC 2016a).

4.3.3.2 Regulatory Setting

Federal

Energy Policy Act of 2005

The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under the Act, consumers and businesses can obtain federal tax credits for purchasing fuel efficient appliances and products, including buying hybrid vehicles, building energy-efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are available for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

State

California Energy Commission

The California Energy Commission CEC was created in 1974 to serve as the state's primary energy policy and planning agency. The CEC is tasked with reducing energy costs and environmental impacts of energy use - such as greenhouse gas emissions - while ensuring a safe, resilient, and reliable supply of energy.

State of California Integrated Energy Policy (SB 1389)

In 2002, the Legislature passed Senate Bill 1389, which required the California Energy Commission (CEC) to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels, for the California Energy Policy Report. The plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for Zero Emission Vehicles and their infrastructure needs, and encouragement of urban designs that reduce vehicles miles traveled and accommodate pedestrian and bicycle access.

The CEC adopted the 2013 Integrated Energy Policy Report on February 20, 2014. The 2013 Integrated Energy Policy Report provides the results of the CEC's assessment of a variety of issues, including:

- Ensuring that the state has sufficient, reliable, and sage energy infrastructure to meet current and future energy demands;
- Monitoring publicly-owned utilities' progress towards achieving 10-year energy efficiency targets; defining and including zero-net-energy goals in state building standards;
- Overcoming challenges to increased use of geothermal heat pump/ground loop technologies and procurement of biomethane;
- Using demand response to meet California's energy needs and integrate renewable technologies;
- Removing barriers to bioenergy development; planning for California's electricity infrastructure needs given potential retirement of power plants and the closure of the San Onofre Nuclear Generating Station;
- Estimating new generation costs for utility-scale renewable and fossil-fueled generation;

4.0 OTHER CEQA SECTIONS

- Planning for new or upgraded transmission infrastructure;
- Monitoring utilities' progress in implementing past recommendations related to nuclear power plants;
- Tracking natural gas market trends;
- Implementing the Alternative and Renewable Fuel and Vehicle Technology Program; and,
- Addressing the vulnerability of California's energy supply and demand infrastructure to the effects of climate change; and planning for potential electricity system needs in 2030.

California Global Warming Solutions Act of 2006 (Assembly Bill 32)

Assembly Bill 32 (Health and Safety Code Sections 38500–38599; AB 32), also known as the California Global Warming Solutions Act of 2006, commits the state to achieving year 2000 GHG emission levels by 2010 and year 1990 levels by 2020. To achieve these goals, AB 32 tasked the California Public Utilities Commission and CEC with providing information, analysis, and recommendations to the California Air Resources Board regarding ways to reduce GHG emissions in the electricity and natural gas utility sectors.

California Energy Code (Title 24, Part 6, Building Energy Efficiency Standards)

California Code of Regulations Title 24, Part 6 comprises the California Energy Code, which was adopted to ensure that building construction, system design and installation achieve energy efficiency. The California Energy Code was first established in 1978 by the CEC in response to a legislative mandate to reduce California's energy consumption, and apply to energy consumed for heating, cooling, ventilation, water heating, and lighting in new residential and non-residential buildings. The standards are updated periodically to increase the baseline energy efficiency requirements. The 2013 Building Energy Efficiency Standards focus on several key areas to improve the energy efficiency of newly constructed buildings and additions and alterations to existing buildings and include requirements to enable both demand reductions during critical peak periods and future solar electric and thermal system installations. Although it was not originally intended to reduce greenhouse gas (GHG) emissions, electricity production by fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

California Green Building Standards Code (Title 24, Part II, CALGreen)

The California Building Standards Commission adopted the California Green Buildings Standards Code (CALGreen in Part 11 of the Title 24 Building Standards Code) for all new construction statewide on July 17, 2008. Originally a volunteer measure, the code became mandatory in 2010 and the most recent update (2013) went into effect on January 1, 2014. CALGreen sets targets for energy efficiency, water consumption, dual plumbing systems for potable and recyclable water, diversion of construction waste from landfills, and use of environmentally sensitive materials in construction and design, including eco-friendly flooring, carpeting, paint, coatings, thermal insulation, and acoustical wall and ceiling panels. The 2013 CALGreen Code includes mandatory measures for non-residential development related to site development; water use; weather resistance and moisture management; construction waste reduction, disposal, and recycling; building maintenance and operation; pollutant control; indoor air quality; environmental comfort; and outdoor air quality. Mandatory measures for residential development pertain to green building; planning and design; energy efficiency; water efficiency and conservation; material conservation and resource efficiency; environmental quality; and installer and special inspector qualifications.

Clean Energy and Pollution Reduction Act (SB 350)

The Clean Energy and Pollution Reduction Act (SB 350) was passed by California Governor Brown on October 7, 2015, and establishes new clean energy, clean air, and greenhouse gas reduction goals for the year 2030 and beyond. SB 350 establishes a greenhouse gas reduction target of 40 percent below 1990 levels for the State of California, further enhancing the ability for the state to meet the goal of reducing greenhouse gas emissions by 80 percent below 1990 levels by the year 2050.

Renewable Portfolio Standard (SB 1078 and SB 107)

Established in 2002 under SB 1078, the state's Renewables Portfolio Standard (RPS) was amended under SB 107 to require accelerated energy reduction goals by requiring that by the year 2010, 20 percent of electricity sales in the state be served by renewable energy resources. In years following its adoption, Executive Order S-14-08 was signed, requiring electricity retail sellers to provide 33 percent of their service loads with renewable energy by the year 2020. In 2011, SB X1-2 was signed, aligning the RPS target with the 33 percent requirement by the year 2020. This new RPS applied to all state electricity retailers, including publically owned utilities, investor-owned utilities, electrical service providers,

and community choice aggregators. All entities included under the RPS were required to adopted the RPS 20 percent by year 2020 reduction goal by the end of 2013, adopt a reduction goal of 25 percent by the end of 2016, and meet the 33 percent reduction goal by the end of 2020. In addition, the Air Resources Board, under Executive Order S-21-09, was required to adopt regulations consistent with these 33 percent renewable energy targets.

Local

City of San Luis Obispo General Plan

The City's General Plan contains policies which encourage energy efficiency and sustainable practices to reduce the use of energy resources. The following goals and policies are contained in the various elements of the City's General Plan; additional analysis of the City's General Plan is provided in Section 3.8, *Land Use and Planning*.

Land Use Element

Policy 1.5. Jobs/Housing Relationship. The gap between housing demand (due to more jobs and college enrollment) and supply should not increase.

Policy 1.13.2. Recycled Water. Provision of recycled water outside of City limits may only be considered in compliance with Water and Wastewater Element Policy A 7.3.4 and the following findings: A. Non-potable/recycled water is necessary to support continued agricultural operations; B. Provision of non-potable/recycled water will not be used to increase development potential of property being served; C. Non-potable/recycled water will not be further treated to make it potable; D. Prior to provision of non-potable/recycled water, the property to be served will record a conservation, open space, Williamson Act, or other easement instrument to maintain the area being served in agriculture and open space while recycled water is being provided.

Policy 2.3.1. Mixed Uses and Convenience. The City shall promote a mix of compatible uses in neighborhoods to serve the daily needs of nearby residents, including schools, parks, churches, and convenience retail stores. Neighborhood shopping and services should be available within about one mile of all dwellings. When nonresidential, neighborhood serving uses are developed, existing housing shall be preserved and new housing added where possible. If existing dwellings are removed for such uses, the development shall include replacement dwellings (no net loss of residential units).

Policy 3.3.1. New or Expanded Areas of Neighborhood Commercial Use. The City shall provide for new or expanded areas of neighborhood commercial uses that: A. Are created

within, or extended into, nonresidential areas adjacent to residential neighborhoods; B. Provide uses to serve nearby residents, not the whole city; C. Have access from arterial streets, and not increase traffic on residential streets; D. Have safe and pleasant pedestrian access from the surrounding service area, as well as good internal circulation; E. Are designed to be pedestrian-oriented, and architecturally compatible with the adjacent neighborhoods being served. Pedestrian-oriented features of project design should include: i. Off-street parking areas located to the side or rear of buildings rather than between buildings and the street; ii. Landscaped areas with public seating; and iii. Indoor or outdoor space for public use, designed to provide a focus for some neighborhood activities.

Policy 9.7 Sustainable Design. The City shall promote, and where appropriate, require sustainable building practices that consume less energy, water and other resources, facilitate natural ventilation, use daylight effectively, and are healthy, safe, comfortable, and durable. Projects shall include, unless deemed infeasible by the City, the following sustainable design features.

- A. Energy Efficient Structure. Utilize building standards and materials that achieve or surpass best practices for energy efficiency.
- B. Energy-Efficient Appliances. Utilize appliances, including air conditioning and heating systems that achieve high energy efficiency. Incorporation of alternative energy systems (e.g. passive and/or active solar, heat pumps) is encouraged.
- C. Naturalized Ventilation. Optimized potential for cooling through natural ventilation.
- D. Plumbing. Utilize plumbing fixtures that conserve or reuse water such as low flow faucets or grey water systems and implement a builder incentive program that will encourage new homes to be built with onsite water/heat recycling systems to help achieve the goal of net zero water and energy use.
- E. Efficient Landscaping. Include landscaping that reduces water use through use of drought-tolerant/native plant species, high-efficiency irrigation (drip irrigation), and reduction or elimination of the use of turf. Collection and use of site runoff and rainwater harvesting in landscape irrigation is encouraged.
- F. Solar Orientation. Optimize solar orientation of structures to the extent possible.

- G. Privacy and Solar Access. New buildings outside of the downtown will respect the privacy and solar access of neighboring buildings and outdoor areas, particularly where multistory buildings or additions may overlook backyards of adjacent dwellings.
- H. Solar Ready. The City shall encourage new development to be build “solar ready” so that owners may easily install solar infrastructure, as appropriate.
- I. Solar Canopies. The City shall encourage the inclusion of solar canopies that include solar panels (such as structures over parking lots) on new construction, as appropriate.

Policy 9.13 Incentive Program. The City shall consider the feasibility of providing incentives for new and renovate projects that incorporate sustainable design features such as constructing new buildings that are solar ready, or off-setting significant operational energy use through use of solar water heating, photovoltaic systems, geothermal or wind energy systems.

Conservation and Open Space Element

Goal 4.2 Sustainable energy use. Increase the use of sustainable energy sources such as solar, wind and thermal energy, and reduce reliance on non-sustainable energy sources to the extent possible with available technology and resources.

Policy 4.3.1 Use of best available practices. The City will employ the best available practices in energy conservation, procurement, use and production, and will encourage individuals, organizations and other agencies to do likewise. “Best available practices” means behavior and technologies that reflect recommendations of specialists and that use the least energy for a desired outcome, considering available equipment, life-cycle costs, social and environmental side effects, and the regulations of other agencies. Best available practices include use of sustainable sources. Sustainable sources are naturally renewed in a relatively short time and avoid substantial undesirable side effects. Table 1 summarizes Sustainable Energy Sources.

Policy 4.3.3 Energy-efficient improvements. The City will continue to identify energy efficiency improvement measures to the greatest extent possible, undertake all necessary steps to seek funding for their implementation and, upon securing availability of funds, implement the measures in a timely manner.

Policy 4.3.6 Energy Efficiency and Green Building in new developments. The City shall encourage energy-efficient “green buildings” as certified by the U.S. Green Buildings Council’s LEED (Leadership in Energy and Environmental Design) Program or equivalent certification, as further described in Chapter 5.5.7.

Policy 4.4.1 Pedestrian- and bicycle-friendly design. Residences, work places and facilities for all other activities will be located and designed to promote travel by pedestrians and bicyclists. (Also see the Land Use and Circulation Elements)

Policy 4.4.2 Alternative transportation. The City’s transportation and circulation systems shall foster travel by modes other than motor vehicles, including walking, bicycles and public transit. (See also the Community Trip Reduction Policies in the Circulation Element)

Policy 4.5.1 Solar access standards. To encourage use of solar energy, reasonable solar access shall be provided and protected. The City will protect reasonable solar exposure for existing collectors and likely locations for future collectors, both active and passive. Standards for the subdivision and development of property should assure desirable solar access, as described in Table 2. Protection beyond that established by the City may be provided by recorded agreement among private parties.

Policy 4.5.2 Subdivision design for solar access. In subdivisions, the layout of streets and lots shall provide and protect solar exposure. To assure the maximum control over potential shading features, the longest dimension of each lot should be oriented within 30 degrees of south, unless the subdivider demonstrates that for certain lots any of the following applies:

- A. The lots are large enough to allow desirable solar access, regardless of lot orientation.
- B. Buildings will be constructed as part of the tract development, and the buildings will be properly oriented, with adequate solar access.
- C. Topography makes variations from the prescribed orientation desirable to reduce grading or tree removal, or to take advantage of a setting that would favor greater reliance on early morning or late afternoon solar exposure.
- D. Topographical conditions, such as steep, north-facing slopes or shading by the mass of a hill, make solar energy infeasible.

- E. The size of the subdivision, combined with the existing orientation of surrounding streets and lots, precludes desirable lot orientation.

Policy 4.5.3 Solar Access Easements. Solar access easements will be required in all new subdivisions, as provided in the State of California Solar Rights Act, unless any of the following applies:

- A. The subdivision incorporates a building development plan that will assure desirable solar access.
- B. Desirable solar exposure will be protected by the City's Zoning Regulations.
- C. The subdivision establishes yard or height standards designed to assure desirable solar access, supplementary to the Zoning Regulations, which would make a system of easements for each lot unnecessary.

Policy 4.6.8 Energy-efficient in project design. Encourage energy-efficient project design by emphasizing use of daylight and solar exposure, shading and natural ventilation, as opposed to designing a particular image and relying on mechanical systems to maintain functionality and comfort. Educate City staff, citizen advisers, developers and designers on ways to exceed minimum state energy standards.

Policy 4.6.11 Financial assistance for energy efficiency improvements. The City will actively seek all available sources of funding for implementing energy efficiency improvement and utilities infrastructure renewable projects, including federal and state budget appropriations, federal, state, and private sector grant opportunities, utilities and other unique public/private sector financing.

Policy 4.6.17 Require solar power for new dwellings. Within new single-family residential projects of 20 or more dwelling units, 5% of the total number of dwellings shall be built with photovoltaic solar collectors beginning in 2008; this percentage shall increase 4% each year until 2020. Multi-family residential developments shall be exempt from this requirement, except for common-use facilities such as recreation rooms, spas, or swimming pools. In these cases, the common facilities shall be built with photovoltaic solar collectors.

Water and Wastewater Element

Policy A 7.2.1 Recycled Water Supply. The City will make available recycled water to substitute for existing potable water uses as allowed by law and to supply new non-potable uses.

Circulation Element

Policy 1.7.1. Encourage Better Transportation Habits. San Luis Obispo should: 1. Increase the use of alternative forms of transportation (as shown on Table 1) and depend less on the single-occupant use of vehicles; and 2. Ask the San Luis Obispo Regional Transportation Agency to establish an objective similar to #1 and support programs that reduce the interregional use of single-occupant vehicles and increase the use of alternative forms of transportation.

Policy 1.7.2. Promote Alternative Forms of Transportation. San Luis Obispo should: 1. Complete a network of bicycle lanes and paths, sidewalks and pedestrian paths within existing developed parts of the city by 2035, and extend the system to serve new growth areas; 2. Complete improvements to the city's transit system serving existing developed areas by 2035, and provide service to new growth areas; 3. Support the efforts of the County Air Pollution Control District to implement traffic reduction programs; and 4. Support and develop education programs directed at promoting types of transportation other than the single-occupant vehicle.

4.3.3.3 Project Electricity and Natural Gas

Implementation of the proposed Project would result in the commitment of additional energy resources, including consumption of natural gas and electricity through operation of the Project. As provided in Appendix H, operation of the proposed Project is estimated to result in the demand for 151,347 therms per year (therms/yr) of natural gas, and 3,320.3 megawatt-hours per year (MWh/yr) of electricity (Table 4-2) based on CalEEMod modeling results.

Table 4-2 Estimated Project Electricity and Natural Gas Demands

<u>Proposed Land Use</u>	<u>Theoretical Conventional Energy Project¹</u>		<u>Proposed Project²</u>	
	<u>Natural Gas Demand (therms/yr)³</u>	<u>Electricity Demand (MWh/yr)⁴</u>	<u>Natural Gas Demand (therms/yr)³</u>	<u>Electricity Demand (MWh/yr)⁴</u>
<u>R-1 Single Family</u>	37,047.1	742.66	29,328	518
<u>R-2 Single-Family</u>	107,613	2,157.25	85,190.9	1,504.9
<u>R-3 Single-Family</u>	36,028	797.57	28,385.9	557.1
<u>R-4 Multi-Family</u>	10,159.5	440.82	8,162.1	307.9
<u>Commercial/Retail</u>	373.5	175.35	280.1	106.2
<u>Parking Lot</u>	0	584.50	0	327.1
Total	191,401.1	4,898.15	151,347	3,320.3

¹ Theoretical Conventional Energy Project refers to ‘unmitigated’ demand for energy supplies excluding the Project’s proposed energy conserving features.

² Proposed Project demand includes design features proposed by the Project and characterized as ‘mitigation measures’ in the CalEEMod runs.

³ 1 therm = 100 thousand British Thermal Units (BTU)

⁴ 1,000 megawatt-hours (MWh) = 1 gigawatt-hours (GWh)

Source: See Appendix H, CalEEMod Worksheets, Section 5.0 Energy Details.

4.3.3.4 Project Construction Diesel Fuel Consumption

The primary energy resource consumed during construction of the Project over a 10-year period would include diesel fuel for the operation of diesel powered construction equipment.

The total construction fuel consumption is calculated below as the sum of specific total fuel consumption calculated for each piece of equipment used in each phase of construction. To calculate total fuel consumption for specific equipment, Section 3.0, Construction Detail in the CalEEMod Worksheets located in Appendix H provides detailed construction phasing, construction equipment used in each phase, total number of days worked, equipment horsepower, equipment load factor, and equipment quantities. Total fuel consumption is then based on a fuel consumption factor of 0.05 gallons per horsepower per hour (gal/hp/hr) for diesel engines as derived from SCAQMD CEQA Handbook Table A9-3E. Calculation of fuel consumption involves the following steps:

$$\text{Total Fuel Consumption} = \text{Fuel Consumption Rate} \times \text{Duration}$$

Where: Duration = Quantity of Equipment x Hours of Operation of Equipment each Day x Total Number of Days Worked

Where: Fuel Consumption Rate = Equipment Horse Power x Equipment Load Factor x Fuel Consumption Factor

Using detailed inputs of Project construction phasing and equipment details provided in Appendix H Section 3.0, Construction Details, the total fuel to be required during construction of the Project is estimated to be 378,956.7 gallons (Table 4-3). Refer to detailed calculations of Project Construction Fuel Consumption included as Attachment A in Appendix H.

Table 4-3 Estimated Project Construction Fuel Consumption

<u>Phase</u>	<u>Fuel Consumption (Gallons)¹</u>
<u>Offsite Construction</u>	<u>74,827</u>
<u>Phase I</u>	<u>110,781</u>
<u>Phase II</u>	<u>19,655</u>
<u>Phase III</u>	<u>46,943</u>
<u>Phase IV and V</u>	<u>108,209</u>
<u>Phase VI</u>	<u>18,542</u>
<u>Total</u>	<u>378,957</u>

Source: Appendix H Attachment A.

4.3.3.5 Project Operational Vehicle Fuel Consumption

Operation of the Project would result in the daily consumption of vehicle fuel as residents, visitors, employees, or customers would travel to and from the Project site. As provided in Table 4-4 and Appendix H, operation of the Project is anticipated to result in the generation of an additional 13,344,365 VMT annually, or approximately 0.4 percent of the County's 2016 annual VMT. Compared to average per capita annual VMT, the Project would result in approximately 24.9 percent less annual VMT per capita than the County, and approximately 5.4 percent less than the state (Table 4-5). Using vehicle fleet mix data provided in Appendix H and average fuel economy information provided by the Bureau of Transportation Statistics, the Project-generated annual VMT would result in the consumption of approximately 818,743 gallons of fuel per year, representing less than 0.001 percent of the statewide vehicle fuel demand (Table 4-4).

Table 4-4 Estimated Operational Fuel Consumption

<u>Vehicle Type</u>	<u>Percent of Vehicle Trips¹</u>	<u>Mitigated Annual VMT²</u>	<u>Average Fuel Economy (miles/gallon)³</u>	<u>Total Annual Fuel Consumption (gallons)</u>
Passenger Cars	45.7	6,105,047	23.3	262,019
Light/Medium Duty Vehicles	40.3	5,377,779	17.1	314,490
Heavy Duty Vehicles/Other	13.1	1,748,112	7.3	239,467
Motorcycles	0.9	120,099	43.4	2,767
Total	100%	13,344,365	--	818,743

¹ Percentage of Vehicle Trips and Fleet Mix information provided in Table 4.4, *Fleet Mix* of Appendix H.

-Passenger Cars is the sum of the LDA fleet mix trip percentage column.

-Light/Medium Duty Vehicles is the sum of the LDT1, LDT2, and MDV fleet mix trip percentage columns.

-Heavy Duty Vehicles/Other is the sum of the LHD1, LHD2, MHD, HHD, OBUS, UBUS, SBUS, and MH fleet mix trip percentage columns.

Motorcycles is the sum of the MCY fleet mix trip percentage column.

² Annual VMT calculated from total mitigated VMT, which incorporates Project design features.

³ Average fuel economy based on average 2014 U.S. vehicle fuel efficiency (mpg) from Table 4-12: Average Light Duty Vehicle, Long Wheel Base Fuel Consumption and Travel, and Table 4-13: Single-Unit 2-Axle 6-Tire or More Truck Fuel Consumption and Travel of the *National Transportation Statistics*.

Source: Appendix H, CalEEMod Worksheets, Section 4.2. *Trip Summary Information*; Bureau of Transportation Statistics 2016.

Table 4-5 Per Capita Vehicle Miles Traveled

	<u>Population</u>	<u>Total Annual VMT</u>	<u>Annual VMT per capita</u>
County	281,401	3,033,420,000	10,779.7
State	39,144,818	334,700,000,000	8,550.3
Proposed Project	1,649	13,344,365	8,086.3

Source: Caltrans 2016a, 2016b; U.S. Census Bureau 2015.

4.3.3.6 Appendix F Requirements and Energy Conservation Standards

In addition to the recommended thresholds for environmental analysis provided in Appendix G of the CEQA Guidelines, Appendix F requires that an EIR disclose and discuss the potential impacts of a project on energy resources and conservation. An EIR's discussion of impacts on energy resources should provide analysis and discussion of the project's potential to result in the wasteful, inefficient, or irretrievable commitment of energy resources, with particular attention towards electrical, natural gas, and transportation fuel supplies. While no specific thresholds are provided by the CEQA

Guidelines, Appendix F offers several recommendations for inclusion in an analysis of impacts on energy resources to determine whether a project would:

- a. Use large amounts of fuel or energy in an unnecessary, wasteful, or inefficient manner;
- b. Constrain local or regional energy supplies, affect peak and base periods of electrical or natural gas demand, require or result in the construction of new electrical generation and/or transmission facilities, or necessitate the expansion of existing facilities, the construction of which could cause significant environmental effects; or
- c. Conflict with existing energy standards, including standards for energy conservation.

Operation of the proposed Project would result in the demand for approximately 151,347 therms/yr of natural gas, 3,320.3 MWh/yr of electrical supplies, and 818,743 gallons/yr of vehicle fuel. Further, construction of the Project is anticipated to result in the total consumption of an additional 378,957 gallons of diesel fuel. Based on existing energy demands and capacity of service providers, estimated operational demand for electricity and natural gas as part of the Project would represent less than 0.001 percent of PG&E's and SoCal Gas' total 2015 energy demands for the County. Further, additional vehicle fuel demand under operation of the Project would result in an increase in statewide fuel demand by less than 0.001 percent.

Based on comparisons of the Project's energy demands with statewide and regional demand and service capacity in total and per capita (Table 4-6), the proposed Project is not expected to result in the use of a large amount of fuel or energy in an unnecessary, wasteful, or inefficient manner, nor would it affect regional supplies or peak/base periods of demand as the estimated energy demand is typical for a Project of this size, and would result in a negligible increase in regional energy demands. As such, the Project would not necessitate the expansion of existing facilities or construction of new energy generation or transmission facilities beyond the onsite facilities proposed as part of the Project to serve the new development, as discussed in Section 3.13, *Utilities*.

Table 4-6 Comparison of Total and Per Capita Energy Demands

	<u>Total</u>			<u>Per Capita</u>	
	<u>Population</u>	<u>Natural Gas Demand (therms/yr)</u>	<u>Electricity Demand (MWh/yr)</u>	<u>Natural Gas Demand (therms/yr)</u>	<u>Electricity Demand (MWh/yr)</u>
County	281,401	77,699,926	1,716,968.9	276.1	6.1
State	39,144,818	10,054,479,145	282,896,292.3	256.6	7.2
Proposed Project	1,649	151,347	3,320.29	91.8	2.0

Source: Caltrans 2016a, 2016b; U.S. Census Bureau 2015.

Further, as described in Section 3.8, *Land Use*, the Project would be required to implement and be consistent with existing energy design standards at the local and state level. The Project would be subject to energy conservation requirements in the California Energy Code and CALGreen. Adherence to state code requirements would ensure that the project would not result in wasteful and inefficient use of non-renewable resources due to building operation.

In addition to standard required energy conservation requirements, the Project includes a range of design features that proactively reduce the Project’s energy demand during construction and operation. Table 4-7 provides a list of Project design features provided in Section 2.0, *Project Description*, which would further reduce the Projects potential to result in the wasteful or inefficient use of energy resources, and promote the conservation of energy and fuel.

Table 4-7 Energy Conservation Project Design Features and Mitigation Measures

<u>Energy Conservation Project Design Features</u>	<u>Associated Energy Reduction</u>
<u>U.S. Green Building Council LEED-ND “Silver” Certification</u>	<u>Improved building energy efficiency, improved water efficiency.</u>
<u>San Luis Obispo County Green Building “Emerald” Certification</u>	<u>Improved building energy efficiency, improved water efficiency</u>
<u>Exceedance of Title 24 Requirements by 25 Percent</u>	<u>Improved energy efficiency requirements above local and state requirements</u>
<u>Installation of Photovoltaic Solar Panels on 50 Percent of Residences</u>	<u>Provision of 50 percent of Project average daily electrical demand through onsite renewable energy resources and exceedance of City General Plan Policy 4.6.17 alternative energy requirements by 20 percent; and application of Policy 4.6.17 to R3, R4 and NC uses.</u>
<u>Installation of Energy Efficient Features</u>	<u>Improve building energy efficiency</u>
<u>Conformance with GP Policies and Climate Action Plan</u>	<u>Table 3.8-7 shows that the Project complies with Climate Action Plan and General Policies related to Energy Conservation.</u>

With the above design features, the Project’s energy consumption would be approximately 151,347 therms/yr of natural gas, 3,320.3 MWh/yr of electrical supplies, and 818,743 gallons/yr of vehicle fuel. Construction of the Project is anticipated to result in the total consumption of an additional 378,957 gallons of diesel fuel.

Further, the Project would implement required mitigation measures that would have the consequential effect of reducing Project energy demand. Table 4-8 provides a list of required mitigation measures identified within the EIR that would further reduce the Projects potential to result in the wasteful or inefficient use of energy resources, and promote the conservation of energy and fuel. While it is estimated that these features will further reduce Project VMT, a specific reduction amount cannot be quantified. However, any reduction in VMT as an effect of the mitigations below would have a similar proportional reduction in gasoline and diesel consumption.

Table 4-8 Required Mitigation Measures with Secondary Energy Conservation Effects

<u>Energy Conservation Required Mitigation Measures</u>	<u>Associated Energy Reduction</u>
<u>MM AQ-1 Construction Activity Management Plan</u>	<u>Reduced construction fuel consumption by requiring use of electric-powered equipment where feasible, and the use of alternatively fueled construction equipment where feasible, such as compressed natural gas, liquefied natural gas, propane or biodiesel.</u>
<u>MM TRANS-2d Construction of Class II Bicycle Lanes</u>	<u>Reduce personal vehicle use and fuel consumption by providing connecting the Project site to the existing bicycle network, ensuring a safe and continuous bicycle route, and encouraging the use of multi-modal options</u>
<u>MM TRANS-11 Construction of New Bicycle Bridges</u>	<u>Reduce vehicle fuel consumption by providing a safe and continuous bicycle route and encouraging the use of multi-modal options</u>
<u>MM TRANS-12 Coordination with SLO Transit</u>	<u>Reduce personal vehicle use and fuel consumption by promoting connection of transit services to the Project site and encouraging the use of multi-modal options</u>
<u>MM AQ 2b Added APCD Air Quality Measures</u>	<u>The project will comply with optional air quality mitigation measures as shown in Table 3.8-7, which will have the result of further reducing project estimated VMT.</u>

The above design features and mitigation measures would have the effect of reducing overall Project consumption of energy and fuel resources during both construction and operation of the Project. While the effects of each measure may not be quantifiable, implementation of the Project’s proposed installation of solar photovoltaic panels on 50 percent of the residential units can measurably reduce Project energy demands by a substantial, quantifiable amount. For example, installation of photovoltaic solar panels would provide a minimum of 50 percent of the average daily electricity demand. As a result, the Project would reduce total conventional electricity demand by approximately 43.5 percent, for a total demand of 1,877.4 MWh/yr (Table 4-9).

Table 4-9 Project Energy Savings Through Installation of Proposed Photovoltaic Solar Panels

<u>Land Use</u>	<u>Electricity Demand (MWh/yr)</u>	<u>Percent Electricity Provided by Onsite Solar</u>	<u>Net Electricity Demand (MWh/yr)</u>
<u>R-1 Single Family</u>	<u>518</u>	<u>50</u>	<u>259</u>
<u>R-2 Single-Family</u>	<u>1,504.9</u>	<u>50</u>	<u>752.5</u>
<u>R-3 Single-Family</u>	<u>557.1</u>	<u>50</u>	<u>278.6</u>
<u>R-4 Multi-Family</u>	<u>307.9</u>	<u>50</u>	<u>154</u>
<u>Commercial/Retail</u>	<u>106.2</u>	<u>0</u>	<u>106.2</u>
<u>Parking Lot</u>	<u>327.1</u>	<u>0</u>	<u>327.1</u>
<u>Total</u>	<u>3,320.3</u>	<u>--</u>	<u>1,877.4</u>

As shown in Table 4-6 above, the Project's per capita energy demand for natural gas is 66.7 percent less than the 2015 County average and 64.2 percent less than the state average. Further, electrical demand per capita for the proposed Project is 67.2 percent less than the 2015 County average and 72.2 percent less than the state average. In addition, estimated annual VMT per person (unadjusted for required mitigations identified in Table 4-8) is 24.9 percent lower than County average and 5.4 percent lower than the statewide average (Table 4-5). Based on the above, it can be concluded that the demand for energy under the Project is lower than County and the state average energy demands, and the Project can be considered to be more efficient. When considering the potential for the Project to result in greater conservation of electricity, natural gas, and transportation fuel through the implementation of proposed Project design features and required mitigation measures not quantified above, the proposed Project's potential to result in adverse impacts on energy resources and conservation is low. Therefore, the direct impacts to energy resources and conservation are considered *less than significant*.

4.3.3.7 Cumulative Impacts

The proposed Project would contribute incrementally to adverse effects on energy resource demand and conservation when considering the cumulative impact of concurrently planned projects. Table 3.0-1 of Section 3.0, *Environmental Impact Analysis and Mitigation Measures*, provides a list of approved, pending, and reasonably foreseeable projects which would have the cumulative effect of increasing local and regional energy demands, resulting in potential considerable impacts to energy conservation.

However, like the Project, discretionary actions requiring agency approval are required to comply with local, regional, state, and federal policies designed to reduce wasteful energy

consumption, and improve overall energy conservation and sustainability. For instance, all local projects involving the development of new buildings must be designed to conform to CALGreen and the 2013 California Energy Code, and all new single-family residences must comply with solar energy provision requirements of the City General Plan Policy 4.6.17. Further, these projects are/would be operated and maintained by private utility companies, such as PG&E and SoCal Gas, which plan for anticipated growth. Electric and natural gas services are provided upon demand from consumers and expanded as needed to meet demand, consistent with applicable local, state, and federal regulations. Therefore, it is not anticipated that the Project contribution to cumulative impacts generated with projects provided in Table 3.0-1 would result in a significantly considerable wasteful use of energy resources, such that the Project, and other cumulative projects, would have a cumulative effect on energy conservation. Cumulative impacts are therefore considered ***less than significant***.

References:

- Bureau of Transportation Statistics. 2016. *National Transportation Statistics / Bureau of Transportation Statistics*. Accessed: 9 February 2017. Retrieved from: https://www.rita.dot.gov/bts/sites/rita.dot.gov.bts/files/publications/national_transportation_statistics/index.html#chapter_4
- Caltrans. 2016a. *California Transportation Quick Facts*.
- . 2016b. *San Luis Obispo County Transportation Quick Facts*.
- CEC. 2016. *California Gasoline Data, Facts, and Statistics*. Accessed: 9 February 2017. Retrieved from: http://www.energy.ca.gov/almanac/transportation_data/gasoline/
- . 2016a. *California Energy Commission Tracking Progress*. Accessed 10 February 2017. Retrieved from http://www.energy.ca.gov/renewables/tracking_progress/documents/renewable.pdf
- . 2017. *Energy Consumption Database*. Accessed: 9 February 2017. Retrieved from: <http://ecdms.energy.ca.gov/>
- PG&E. 2017. *Company profile*. Accessed: 8 February 2017. Retrieved from: https://www.pge.com/en_US/about-pge/company-information/profile/profile.page
- SoCal Gas. 2017. *Company Profile / SoCalGas*. Accessed: 9 February 2017. Retrieved from: <https://www.socalgas.com/about-us/company-profile>
- U.S. Census Bureau. 2015. *San Luis Obispo city California QuickFacts from the US Census Bureau*. Accessed: 6 April 2016. Retrieved from: <http://www.census.gov/quickfacts/table/PST045215/0668154,00>

APPENDIX H

California Emissions Estimator Model (CalEEMod) Worksheets

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Avila Ranch Development Project
San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,652.00	Space	14.87	660,800.00	0
Other Asphalt Surfaces	7.03	Acre	7.03	306,226.80	0
City Park	16.00	Acre	16.00	696,960.00	0
Regional Shopping Center	15.00	1000sqft	3.34	15,000.00	0
Apartments Mid Rise	125.00	Dwelling Unit	4.71	125,000.00	287
Condo/Townhouse	185.00	Dwelling Unit	11.05	185,000.00	424
Single Family Housing	105.00	Dwelling Unit	17.45	189,000.00	240
Single Family Housing	305.00	Dwelling Unit	35.03	549,000.00	698

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Taken from project description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblSolidWaste	SolidWasteGenerationRate	57.50	121.13
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	90.62	179.28
tblSolidWaste	SolidWasteGenerationRate	15.75	6.84
tblSolidWaste	SolidWasteGenerationRate	373.92	733.29
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tblTripsAndVMT	WorkerTripNumber	35.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,393.00	279.00
tblWater	IndoorWaterUseRate	8,144,253.20	4,472,304.06
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tblWater	IndoorWaterUseRate	1,111,087.82	909,125.22
tblWater	IndoorWaterUseRate	25,931,302.20	18,992,412.22
tblWater	OutdoorWaterUseRate	5,134,420.50	2,859,341.94
tblWater	OutdoorWaterUseRate	22,733,464.15	10,427,245.00
tblWater	OutdoorWaterUseRate	8,091,846.70	4,231,832.28
tblWater	OutdoorWaterUseRate	680,989.31	557,205.78
tblWater	OutdoorWaterUseRate	16,347,994.86	12,142,689.78

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tblWoodstoves	WoodstoveDayYear	60.00	0.00
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tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
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2.0 Emissions Summary

2.1 Overall Construction

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	tons/yr										MT/yr					
2019	0.8828	9.1757	7.3548	0.0104	1.7837	0.4416	2.2253	0.9741	0.4069	1.3810	0.0000	927.8427	927.8427	0.2851	0.0000	933.8296
2020	0.6575	5.9008	6.2384	0.0111	0.9669	0.2855	1.2524	0.3765	0.2647	0.6412	0.0000	902.8801	902.8801	0.2046	0.0000	907.1763
2021	0.3625	2.6119	3.6510	7.8200e-003	0.3505	0.1392	0.4897	0.0932	0.1316	0.2248	0.0000	585.5877	585.5877	0.0864	0.0000	587.4016
2022	0.3288	2.3418	3.5235	7.7900e-003	0.3492	0.1177	0.4669	0.0928	0.1113	0.2041	0.0000	579.4709	579.4709	0.0849	0.0000	581.2538
2023	11.0549	2.8888	6.9873	0.0162	1.1624	0.1058	1.2682	0.3690	0.0985	0.4675	0.0000	1,174.9383	1,174.9383	0.1046	0.0000	1,177.1353
2024	5.3746	4.0956	11.1419	0.0268	1.8675	0.1331	2.0006	0.5745	0.1238	0.6983	0.0000	1,923.9830	1,923.9830	0.1384	0.0000	1,926.8895
2025	8.1773	3.3805	8.7070	0.0212	2.1077	0.1115	2.2192	0.7531	0.1035	0.8565	0.0000	1,527.0546	1,527.0546	0.1314	0.0000	1,529.8139
2026	0.7929	3.9029	9.6215	0.0240	1.8526	0.1310	1.9837	0.5831	0.1215	0.7045	0.0000	1,735.9670	1,735.9670	0.1645	0.0000	1,739.4213
2027	0.9858	4.0623	12.3758	0.0335	2.0263	0.1165	2.1427	0.5442	0.1087	0.6529	0.0000	2,342.9165	2,342.9165	0.1233	0.0000	2,345.5054
2028	8.2315	3.2422	9.4658	0.0268	1.6169	0.0961	1.7130	0.4341	0.0897	0.5238	0.0000	1,865.1408	1,865.1408	0.1032	0.0000	1,867.3089
2029	8.0624	2.6254	7.1479	0.0203	1.3017	0.0816	1.3833	0.3717	0.0760	0.4477	0.0000	1,417.5370	1,417.5370	0.0900	0.0000	1,419.4274
Total	44.9108	44.2279	86.2149	0.2058	15.3853	1.7596	17.1449	5.1661	1.6361	6.8022	0.0000	14,983.3187	14,983.3187	1.5164	0.0000	15,015.1628

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	11.6898	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887
Energy	0.1031	0.8812	0.3758	5.6200e-003		0.0712	0.0712		0.0712	0.0712	0.0000	2,444.4848	2,444.4848	0.0840	0.0320	2,456.1771
Mobile	2.7570	5.4102	24.5521	0.0863	6.0518	0.1066	6.1584	1.6218	0.0984	1.7202	0.0000	5,711.6153	5,711.6153	0.1583	0.0000	5,714.9388
Waste						0.0000	0.0000		0.0000	0.0000	211.2202	0.0000	211.2202	12.4828	0.0000	473.3581
Water						0.0000	0.0000		0.0000	0.0000	9.8326	79.5545	89.3871	1.0135	0.0246	118.2936
Total	14.5499	6.4044	34.7314	0.0925	6.0518	0.2323	6.2841	1.6218	0.2241	1.8459	221.0528	8,251.7199	8,472.7728	13.7539	0.0566	8,779.1563

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.8935	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887
Energy	0.0816	0.6975	0.2974	4.4500e-003		0.0564	0.0564		0.0564	0.0564	0.0000	1,773.8117	1,773.8117	0.0592	0.0239	1,782.4463
Mobile	2.6112	4.6995	21.8951	0.0722	5.0236	0.0906	5.1143	1.3463	0.0837	1.4300	0.0000	4,774.7655	4,774.7655	0.1341	0.0000	4,777.5812
Waste						0.0000	0.0000		0.0000	0.0000	211.2202	0.0000	211.2202	12.4828	0.0000	473.3581
Water						0.0000	0.0000		0.0000	0.0000	7.8661	64.3262	72.1923	0.8107	0.0197	95.3076
Total	13.5863	5.5099	31.9960	0.0772	5.0236	0.2015	5.2251	1.3463	0.1945	1.5408	219.0863	6,628.9688	6,848.0551	13.5021	0.0435	7,145.0819

	ROG	NOx	CO	SO2	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	6.62	13.97	7.88	16.56	16.99	13.27	16.85	16.99	13.20	16.53	0.89	19.67	19.18	1.83	23.17	18.61

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	371.7000
Total	371.7000

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Offsite Construction – Site Preparation	Site Preparation	1/1/2019	3/25/2019	5	60	
2	Offsite Construction – Grading	Grading	3/26/2019	10/28/2019	5	155	
3	Offsite Construction – Paving	Paving	10/29/2019	12/31/2019	5	46	
4	Phase I – Site Preparation	Site Preparation	1/1/2020	1/21/2020	5	15	
5	Phase I, III, IV – Grading	Grading	1/22/2020	7/14/2020	5	125	
6	Phase I – Building Construction	Building Construction	7/15/2020	1/31/2023	5	665	
7	Phase I – Paving	Paving	2/1/2023	2/21/2023	5	15	
8	Phase I – Architectural Coating	Architectural Coating	2/22/2023	5/9/2023	5	55	
9	Phase II – Site Preparation	Site Preparation	5/10/2023	5/30/2023	5	15	
10	Phase II – Grading	Grading	5/31/2023	7/11/2023	5	30	
11	Phase II – Building Construction	Building Construction	7/12/2023	11/28/2023	5	100	

12	Phase II – Paving	Paving	11/29/2023	12/19/2023	5	15
13	Phase II – Architectural Coating	Architectural Coating	12/20/2023	1/16/2024	5	20
14	Phase III – Site Preparation	Site Preparation	1/17/2024	2/13/2024	5	20
15	Phase III – Grading	Grading	2/14/2024	4/2/2024	5	35
16	Phase III – Building Construction	Building Construction	4/3/2024	7/22/2025	5	340
17	Phase III – Architectural Coating	Architectural Coating	7/23/2025	8/19/2025	5	20
18	Phase III – Paving	Paving	8/20/2025	9/16/2025	5	20
19	Phases IV & V – Site Preparation	Site Preparation	9/17/2025	11/11/2025	5	40
20	Phases IV & V – Grading	Grading	11/12/2025	5/19/2026	5	135
21	Phases IV & V – Building Construction	Building Construction	5/20/2026	10/10/2028	5	625
22	Phases IV & V – Architectural Coating	Architectural Coating	10/11/2028	11/28/2028	5	35
23	Phases IV & V – Paving	Paving	11/29/2028	1/9/2029	5	30
24	Phase VI – Site Preparation	Site Preparation	1/10/2029	1/16/2029	5	5
25	Phase VI – Grading	Grading	1/17/2029	2/6/2029	5	15
26	Phase VI – Building Construction	Building Construction	2/7/2029	9/4/2029	5	150
27	Phase VI – Architectural Coating	Architectural Coating	9/5/2029	9/28/2029	5	18
28	Phase VI – Paving	Paving	9/30/2029	10/5/2029	5	5

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase I – Building Construction	Air Compressors	1	6.00	78	0.48

Offsite Construction – Site Preparation	Excavators	3	8.00	162	0.38
Offsite Construction – Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Offsite Construction – Paving	Excavators	2	8.00	162	0.38
Phase I – Site Preparation	Cranes	1	7.00	226	0.29
Phase I – Site Preparation	Forklifts	3	8.00	89	0.20
Phase I – Site Preparation	Generator Sets	1	8.00	84	0.74
Phase I, III, IV – Grading	Pavers	2	8.00	125	0.42
Phase I, III, IV – Grading	Rollers	2	8.00	80	0.38
Offsite Construction – Site Preparation	Rubber Tired Dozers	2	8.00	255	0.40
Offsite Construction – Paving	Rubber Tired Dozers	1	8.00	255	0.40
Phase I – Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Offsite Construction – Paving	Graders	1	8.00	174	0.41
Offsite Construction – Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Offsite Construction – Grading	Rubber Tired Dozers	3	8.00	255	0.40
Offsite Construction – Paving	Scrapers	2	8.00	361	0.48
Phase I – Site Preparation	Welders	1	8.00	46	0.45
Phase II – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase III – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phases IV & V – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase VI – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase I – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase II – Building Construction	Cranes	1	7.00	226	0.29
Phase III – Building Construction	Cranes	1	7.00	226	0.29
Phases IV & V – Building Construction	Cranes	1	7.00	226	0.29
Phase VI – Building Construction	Cranes	1	7.00	226	0.29
Phase I – Building Construction	Cranes	1	7.00	226	0.29

Phase II – Grading	Excavators	2	8.00	162	0.38
Phase III – Grading	Excavators	2	8.00	162	0.38
Offsite Construction – Grading	Excavators	2	8.00	162	0.38
Phases IV & V – Grading	Excavators	2	8.00	162	0.38
Phase VI – Grading	Excavators	2	8.00	162	0.38
Phase I, III, IV – Grading	Excavators	2	8.00	162	0.38
Phase II – Building Construction	Forklifts	3	8.00	89	0.20
Phase III – Building Construction	Forklifts	3	8.00	89	0.20
Phases IV & V – Building Construction	Forklifts	3	8.00	89	0.20
Phase VI – Building Construction	Forklifts	3	8.00	89	0.20
Phase I – Building Construction	Forklifts	3	8.00	89	0.20
Phase II – Building Construction	Generator Sets	1	8.00	84	0.74
Phase III – Building Construction	Generator Sets	1	8.00	84	0.74
Phases IV & V – Building Construction	Generator Sets	1	8.00	84	0.74
Phase VI – Building Construction	Generator Sets	1	8.00	84	0.74
Phase I – Building Construction	Generator Sets	1	8.00	84	0.74
Phase II – Grading	Graders	1	8.00	174	0.41
Phase III – Grading	Graders	1	8.00	174	0.41
Offsite Construction – Grading	Graders	1	8.00	174	0.41
Phases IV & V – Grading	Graders	1	8.00	174	0.41
Phase VI – Grading	Graders	1	8.00	174	0.41
Phase I, III, IV – Grading	Graders	1	8.00	174	0.41
Phase II – Paving	Pavers	2	8.00	125	0.42
Phase III – Paving	Pavers	2	8.00	125	0.42
Phases IV & V – Paving	Pavers	2	8.00	125	0.42
Phase VI – Paving	Pavers	2	8.00	125	0.42
Offsite Construction – Paving	Pavers	2	8.00	125	0.42
Phase I – Paving	Pavers	2	8.00	125	0.42

Phase II – Paving	Paving Equipment	2	8.00	130	0.36
Phase III – Paving	Paving Equipment	2	8.00	130	0.36
Phases IV & V – Paving	Paving Equipment	2	8.00	130	0.36
Phase VI – Paving	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Paving	Paving Equipment	2	8.00	130	0.36
Phase I – Paving	Paving Equipment	2	8.00	130	0.36
Phase II – Paving	Rollers	2	8.00	80	0.38
Phase III – Paving	Rollers	2	8.00	80	0.38
Phases IV & V – Paving	Rollers	2	8.00	80	0.38
Phase VI – Paving	Rollers	2	8.00	80	0.38
Offsite Construction – Paving	Rollers	2	8.00	80	0.38
Phase I – Paving	Rollers	2	8.00	80	0.38
Phase II – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phases IV & V – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase VI – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase I, III, IV – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phases IV & V – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase VI – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase I – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Grading	Scrapers	2	8.00	361	0.48
Phase III – Grading	Scrapers	2	8.00	361	0.48
Offsite Construction – Grading	Scrapers	2	8.00	361	0.48
Phases IV & V – Grading	Scrapers	2	8.00	361	0.48
Phase VI – Grading	Scrapers	2	8.00	361	0.48
Phase I, III, IV – Grading	Scrapers	2	8.00	361	0.48

Phase II – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase III – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phases IV & V – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase VI – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase I – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase II – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase III – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phases IV & V – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase VI – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Offsite Construction – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase III – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phases IV & V – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase VI – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Building Construction	Welders	1	8.00	46	0.45
Phase III – Building Construction	Welders	1	8.00	46	0.45
Phases IV & V – Building Construction	Welders	1	8.00	46	0.45
Phase VI – Building Construction	Welders	1	8.00	46	0.45
Phase I – Building Construction	Welders	1	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
Offsite Construction – Site Preparation	10	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Grading	12	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Paving	14	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Site Preparation	12	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Phase I, III, IV – Grading	14	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Building Construction	10	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Offsite Construction – Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1276	1.2987	1.2005	1.5700e-003		0.0681	0.0681		0.0632	0.0632	0.0000	140.4159	140.4159	0.0405	0.0000	141.2655
Total	0.1276	1.2987	1.2005	1.5700e-003	0.3613	0.0681	0.4294	0.1986	0.0632	0.2618	0.0000	140.4159	140.4159	0.0405	0.0000	141.2655

3.2 Offsite Construction – Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	2.2000e-003	0.0186	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.2922	3.2922	1.6000e-004	0.0000	3.2956
Total	1.2800e-003	2.2000e-003	0.0186	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.2922	3.2922	1.6000e-004	0.0000	3.2956

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0562	1.3648	1.0390	1.5700e-003		0.0426	0.0426		0.0426	0.0426	0.0000	140.4157	140.4157	0.0405	0.0000	141.2653
Total	0.0562	1.3648	1.0390	1.5700e-003	0.1626	0.0426	0.2052	0.0894	0.0426	0.1320	0.0000	140.4157	140.4157	0.0405	0.0000	141.2653

3.2 Offsite Construction – Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	2.2000e-003	0.0186	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.2922	3.2922	1.6000e-004	0.0000	3.2956
Total	1.2800e-003	2.2000e-003	0.0186	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.2922	3.2922	1.6000e-004	0.0000	3.2956

3.3 Offsite Construction – Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4001	0.0000	1.4001	0.7696	0.0000	0.7696	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5747	6.2756	4.8019	6.6400e-003		0.2972	0.2972		0.2734	0.2734	0.0000	596.9588	596.9588	0.1889	0.0000	600.9251
Total	0.5747	6.2756	4.8019	6.6400e-003	1.4001	0.2972	1.6973	0.7696	0.2734	1.0430	0.0000	596.9588	596.9588	0.1889	0.0000	600.9251

3.3 Offsite Construction – Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9500e-003	6.8300e-003	0.0578	1.5000e-004	0.0134	9.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	10.2058	10.2058	5.0000e-004	0.0000	10.2163
Total	3.9500e-003	6.8300e-003	0.0578	1.5000e-004	0.0134	9.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	10.2058	10.2058	5.0000e-004	0.0000	10.2163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6301	0.0000	0.6301	0.3463	0.0000	0.3463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2027	5.5716	4.0286	6.6400e-003		0.1502	0.1502		0.1502	0.1502	0.0000	596.9581	596.9581	0.1889	0.0000	600.9244
Total	0.2027	5.5716	4.0286	6.6400e-003	0.6301	0.1502	0.7803	0.3463	0.1502	0.4965	0.0000	596.9581	596.9581	0.1889	0.0000	600.9244

3.3 Offsite Construction – Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9500e-003	6.8300e-003	0.0578	1.5000e-004	0.0134	9.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	10.2058	10.2058	5.0000e-004	0.0000	10.2163	
Total	3.9500e-003	6.8300e-003	0.0578	1.5000e-004	0.0134	9.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	10.2058	10.2058	5.0000e-004	0.0000	10.2163	

3.4 Offsite Construction – Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1453	1.5901	1.2570	1.9300e-003		0.0762	0.0762		0.0701	0.0701	0.0000	173.6048	173.6048	0.0549	0.0000	174.7583
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1740	1.5901	1.2570	1.9300e-003		0.0762	0.0762		0.0701	0.0701	0.0000	173.6048	173.6048	0.0549	0.0000	174.7583

3.4 Offsite Construction – Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	2.2500e-003	0.0191	5.0000e-005	4.4300e-003	3.0000e-005	4.4600e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.3653	3.3653	1.7000e-004	0.0000	3.3688
Total	1.3000e-003	2.2500e-003	0.0191	5.0000e-005	4.4300e-003	3.0000e-005	4.4600e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.3653	3.3653	1.7000e-004	0.0000	3.3688

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0645	1.6249	1.2620	1.9300e-003		0.0468	0.0468		0.0468	0.0468	0.0000	173.6046	173.6046	0.0549	0.0000	174.7581
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0932	1.6249	1.2620	1.9300e-003		0.0468	0.0468		0.0468	0.0468	0.0000	173.6046	173.6046	0.0549	0.0000	174.7581

3.4 Offsite Construction – Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	2.2500e-003	0.0191	5.0000e-005	4.4300e-003	3.0000e-005	4.4600e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.3653	3.3653	1.7000e-004	0.0000	3.3688
Total	1.3000e-003	2.2500e-003	0.0191	5.0000e-005	4.4300e-003	3.0000e-005	4.4600e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.3653	3.3653	1.7000e-004	0.0000	3.3688

3.5 Phase I – Site Preparation - 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	tons/yr										MT/yr					
Fugitive Dust					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0375	0.3715	0.3046	4.0000e-004		0.0188	0.0188		0.0175	0.0175	0.0000	34.9154	34.9154	9.9100e-003	0.0000	35.1236
Total	0.0375	0.3715	0.3046	4.0000e-004	0.1355	0.0188	0.1543	0.0745	0.0175	0.0920	0.0000	34.9154	34.9154	9.9100e-003	0.0000	35.1236

3.5 Phase I – Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0362	0.1881	0.4383	6.0000e-004	0.0159	2.5800e-003	0.0184	4.5400e-003	2.3700e-003	6.9100e-003	0.0000	50.8093	50.8093	4.0000e-004	0.0000	50.8178
Worker	0.0267	0.0465	0.3898	1.1300e-003	0.1006	6.7000e-004	0.1013	0.0267	6.2000e-004	0.0274	0.0000	73.3579	73.3579	3.5100e-003	0.0000	73.4316
Total	0.0630	0.2346	0.8281	1.7300e-003	0.1165	3.2500e-003	0.1197	0.0313	2.9900e-003	0.0343	0.0000	124.1672	124.1672	3.9100e-003	0.0000	124.2494

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0610	0.0000	0.0610	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.3439	0.2389	4.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	34.9154	34.9154	9.9100e-003	0.0000	35.1235
Total	0.0129	0.3439	0.2389	4.0000e-004	0.0610	0.0103	0.0713	0.0335	0.0103	0.0438	0.0000	34.9154	34.9154	9.9100e-003	0.0000	35.1235

3.5 Phase I – Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0362	0.1881	0.4383	6.0000e-004	0.0159	2.5800e-003	0.0184	4.5400e-003	2.3700e-003	6.9100e-003	0.0000	50.8093	50.8093	4.0000e-004	0.0000	50.8178
Worker	0.0267	0.0465	0.3898	1.1300e-003	0.1006	6.7000e-004	0.1013	0.0267	6.2000e-004	0.0274	0.0000	73.3579	73.3579	3.5100e-003	0.0000	73.4316
Total	0.0630	0.2346	0.8281	1.7300e-003	0.1165	3.2500e-003	0.1197	0.0313	2.9900e-003	0.0343	0.0000	124.1672	124.1672	3.9100e-003	0.0000	124.2494

3.6 Phase I, III, IV – Grading - 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	tons/yr										MT/yr					
Fugitive Dust					0.5421	0.0000	0.5421	0.2248	0.0000	0.2248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3675	3.9480	3.2986	5.2500e-003		0.1876	0.1876		0.1726	0.1726	0.0000	461.4433	461.4433	0.1492	0.0000	464.5773
Total	0.3675	3.9480	3.2986	5.2500e-003	0.5421	0.1876	0.7296	0.2248	0.1726	0.3973	0.0000	461.4433	461.4433	0.1492	0.0000	464.5773

3.6 Phase I, III, IV – Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-003	4.1700e-003	0.0350	1.0000e-004	9.0300e-003	6.0000e-005	9.0900e-003	2.4000e-003	6.0000e-005	2.4500e-003	0.0000	6.5827	6.5827	3.1000e-004	0.0000	6.5893
Total	2.4000e-003	4.1700e-003	0.0350	1.0000e-004	9.0300e-003	6.0000e-005	9.0900e-003	2.4000e-003	6.0000e-005	2.4500e-003	0.0000	6.5827	6.5827	3.1000e-004	0.0000	6.5893

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2439	0.0000	0.2439	0.1012	0.0000	0.1012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1753	4.4154	3.4294	5.2500e-003		0.1270	0.1270		0.1270	0.1270	0.0000	461.4427	461.4427	0.1492	0.0000	464.5768
Total	0.1753	4.4154	3.4294	5.2500e-003	0.2439	0.1270	0.3710	0.1012	0.1270	0.2282	0.0000	461.4427	461.4427	0.1492	0.0000	464.5768

3.6 Phase I, III, IV – Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-003	4.1700e-003	0.0350	1.0000e-004	9.0300e-003	6.0000e-005	9.0900e-003	2.4000e-003	6.0000e-005	2.4500e-003	0.0000	6.5827	6.5827	3.1000e-004	0.0000	6.5893
Total	2.4000e-003	4.1700e-003	0.0350	1.0000e-004	9.0300e-003	6.0000e-005	9.0900e-003	2.4000e-003	6.0000e-005	2.4500e-003	0.0000	6.5827	6.5827	3.1000e-004	0.0000	6.5893

3.7 Phase I – Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1436	1.2668	1.1370	1.8200e-003		0.0747	0.0747		0.0706	0.0706	0.0000	156.2713	156.2713	0.0355	0.0000	157.0165
Total	0.1436	1.2668	1.1370	1.8200e-003		0.0747	0.0747		0.0706	0.0706	0.0000	156.2713	156.2713	0.0355	0.0000	157.0165

3.7 Phase I – Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0757	0.6350	1.8400e-003	0.1638	1.1000e-003	0.1649	0.0435	1.0200e-003	0.0446	0.0000	119.5002	119.5002	5.7200e-003	0.0000	119.6202
Total	0.0435	0.0757	0.6350	1.8400e-003	0.1638	1.1000e-003	0.1649	0.0435	1.0200e-003	0.0446	0.0000	119.5002	119.5002	5.7200e-003	0.0000	119.6202

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	1.5747	1.1985	1.8200e-003		0.0608	0.0608		0.0608	0.0608	0.0000	156.2711	156.2711	0.0355	0.0000	157.0163
Total	0.0727	1.5747	1.1985	1.8200e-003		0.0608	0.0608		0.0608	0.0608	0.0000	156.2711	156.2711	0.0355	0.0000	157.0163

3.7 Phase I – Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0757	0.6350	1.8400e-003	0.1638	1.1000e-003	0.1649	0.0435	1.0200e-003	0.0446	0.0000	119.5002	119.5002	5.7200e-003	0.0000	119.6202	119.6202
Total	0.0435	0.0757	0.6350	1.8400e-003	0.1638	1.1000e-003	0.1649	0.0435	1.0200e-003	0.0446	0.0000	119.5002	119.5002	5.7200e-003	0.0000	119.6202	119.6202

3.7 Phase I – Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.2756	2.4622	2.3954	3.8900e-003		0.1369	0.1369		0.1295	0.1295	0.0000	334.3538	334.3538	0.0748	0.0000	335.9248
Total	0.2756	2.4622	2.3954	3.8900e-003		0.1369	0.1369		0.1295	0.1295	0.0000	334.3538	334.3538	0.0748	0.0000	335.9248

3.7 Phase I – Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0868	0.1497	1.2556	3.9300e-003	0.3505	2.3300e-003	0.3529	0.0932	2.1600e-003	0.0953	0.0000	251.2339	251.2339	0.0116	0.0000	251.4767
Total	0.0868	0.1497	1.2556	3.9300e-003	0.3505	2.3300e-003	0.3529	0.0932	2.1600e-003	0.0953	0.0000	251.2339	251.2339	0.0116	0.0000	251.4767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1556	3.3687	2.5641	3.8900e-003		0.1301	0.1301		0.1301	0.1301	0.0000	334.3534	334.3534	0.0748	0.0000	335.9244
Total	0.1556	3.3687	2.5641	3.8900e-003		0.1301	0.1301		0.1301	0.1301	0.0000	334.3534	334.3534	0.0748	0.0000	335.9244

3.7 Phase I – Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0868	0.1497	1.2556	3.9300e-003	0.3505	2.3300e-003	0.3529	0.0932	2.1600e-003	0.0953	0.0000	251.2339	251.2339	0.0116	0.0000	251.4767
Total	0.0868	0.1497	1.2556	3.9300e-003	0.3505	2.3300e-003	0.3529	0.0932	2.1600e-003	0.0953	0.0000	251.2339	251.2339	0.0116	0.0000	251.4767

3.7 Phase I – Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.2475	2.2028	2.3584	3.8700e-003		0.1154	0.1154		0.1092	0.1092	0.0000	333.1869	333.1869	0.0739	0.0000	334.7394
Total	0.2475	2.2028	2.3584	3.8700e-003		0.1154	0.1154		0.1092	0.1092	0.0000	333.1869	333.1869	0.0739	0.0000	334.7394

3.7 Phase I – Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0813	0.1390	1.1652	3.9200e-003	0.3492	2.3200e-003	0.3515	0.0928	2.1500e-003	0.0949	0.0000	246.2840	246.2840	0.0110	0.0000	246.5144	
Total	0.0813	0.1390	1.1652	3.9200e-003	0.3492	2.3200e-003	0.3515	0.0928	2.1500e-003	0.0949	0.0000	246.2840	246.2840	0.0110	0.0000	246.5144	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1550	3.3558	2.5542	3.8700e-003		0.1296	0.1296		0.1296	0.1296	0.0000	333.1865	333.1865	0.0739	0.0000	334.7390
Total	0.1550	3.3558	2.5542	3.8700e-003		0.1296	0.1296		0.1296	0.1296	0.0000	333.1865	333.1865	0.0739	0.0000	334.7390

3.7 Phase I – Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0813	0.1390	1.1652	3.9200e-003	0.3492	2.3200e-003	0.3515	0.0928	2.1500e-003	0.0949	0.0000	246.2840	246.2840	0.0110	0.0000	246.5144
Total	0.0813	0.1390	1.1652	3.9200e-003	0.3492	2.3200e-003	0.3515	0.0928	2.1500e-003	0.0949	0.0000	246.2840	246.2840	0.0110	0.0000	246.5144

3.7 Phase I – Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1718	0.1982	3.3000e-004		8.4400e-003	8.4400e-003		7.9900e-003	7.9900e-003	0.0000	28.2015	28.2015	6.2000e-003	0.0000	28.3317
Total	0.0193	0.1718	0.1982	3.3000e-004		8.4400e-003	8.4400e-003		7.9900e-003	7.9900e-003	0.0000	28.2015	28.2015	6.2000e-003	0.0000	28.3317

3.7 Phase I – Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4700e-003	0.0110	0.0917	3.3000e-004	0.0296	2.0000e-004	0.0297	7.8500e-003	1.8000e-004	8.0300e-003	0.0000	20.5320	20.5320	8.9000e-004	0.0000	20.5507	
Total	6.4700e-003	0.0110	0.0917	3.3000e-004	0.0296	2.0000e-004	0.0297	7.8500e-003	1.8000e-004	8.0300e-003	0.0000	20.5320	20.5320	8.9000e-004	0.0000	20.5507	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0131	0.2840	0.2161	3.3000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	28.2015	28.2015	6.2000e-003	0.0000	28.3316
Total	0.0131	0.2840	0.2161	3.3000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	28.2015	28.2015	6.2000e-003	0.0000	28.3316

3.7 Phase I – Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4700e-003	0.0110	0.0917	3.3000e-004	0.0296	2.0000e-004	0.0297	7.8500e-003	1.8000e-004	8.0300e-003	0.0000	20.5320	20.5320	8.9000e-004	0.0000	20.5507
Total	6.4700e-003	0.0110	0.0917	3.3000e-004	0.0296	2.0000e-004	0.0297	7.8500e-003	1.8000e-004	8.0300e-003	0.0000	20.5320	20.5320	8.9000e-004	0.0000	20.5507

3.8 Phase I – Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.6000e-003	0.0750	0.1071	1.7000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0363	0.0750	0.1071	1.7000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004

3.8 Phase I – Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
Total	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8400e-003	0.1478	0.1270	1.7000e-004		4.9100e-003	4.9100e-003		4.9100e-003	4.9100e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0355	0.1478	0.1270	1.7000e-004		4.9100e-003	4.9100e-003		4.9100e-003	4.9100e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004

3.8 Phase I – Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
Total	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2700e-003	0.0358	0.0498	8.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	7.0215	7.0215	4.2000e-004	0.0000	7.0303
Total	7.4508	0.0358	0.0498	8.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	7.0215	7.0215	4.2000e-004	0.0000	7.0303

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	0.0275	0.2293	8.3000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201	0.0000	51.3301	51.3301	2.2200e-003	0.0000	51.3766
Total	0.0162	0.0275	0.2293	8.3000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201	0.0000	51.3301	51.3301	2.2200e-003	0.0000	51.3766

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1300e-003	0.0647	0.0504	8.0000e-005		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003	0.0000	7.0214	7.0214	4.2000e-004	0.0000	7.0303
Total	7.4486	0.0647	0.0504	8.0000e-005		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003	0.0000	7.0214	7.0214	4.2000e-004	0.0000	7.0303

3.9 Phase I – Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	0.0275	0.2293	8.3000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201	0.0000	51.3301	51.3301	2.2200e-003	0.0000	51.3766
Total	0.0162	0.0275	0.2293	8.3000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201	0.0000	51.3301	51.3301	2.2200e-003	0.0000	51.3766

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0226	0.2245	0.2161	2.9000e-004		0.0104	0.0104		9.6000e-003	9.6000e-003	0.0000	25.8136	25.8136	8.3500e-003	0.0000	25.9890
Total	0.0226	0.2245	0.2161	2.9000e-004	0.1355	0.0104	0.1459	0.0745	9.6000e-003	0.0841	0.0000	25.8136	25.8136	8.3500e-003	0.0000	25.9890

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	4.0300e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9032	0.9032	4.0000e-005	0.0000	0.9040
Total	2.8000e-004	4.8000e-004	4.0300e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9032	0.9032	4.0000e-005	0.0000	0.9040

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0610	0.0000	0.0610	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2200e-003	0.2582	0.1755	2.9000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	25.8136	25.8136	8.3500e-003	0.0000	25.9889
Total	9.2200e-003	0.2582	0.1755	2.9000e-004	0.0610	7.2100e-003	0.0682	0.0335	7.2100e-003	0.0407	0.0000	25.8136	25.8136	8.3500e-003	0.0000	25.9889

3.10 Phase II – Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	4.0300e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9032	0.9032	4.0000e-005	0.0000	0.9040
Total	2.8000e-004	4.8000e-004	4.0300e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9032	0.9032	4.0000e-005	0.0000	0.9040

3.11 Phase II – Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0530	0.5241	0.5128	9.3000e-004		0.0233	0.0233		0.0215	0.0215	0.0000	81.4484	81.4484	0.0263	0.0000	82.0016
Total	0.0530	0.5241	0.5128	9.3000e-004	0.1301	0.0233	0.1534	0.0540	0.0215	0.0754	0.0000	81.4484	81.4484	0.0263	0.0000	82.0016

3.11 Phase II – Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	1.0700e-003	8.9700e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.0070	2.0070	9.0000e-005	0.0000	2.0089	
Total	6.3000e-004	1.0700e-003	8.9700e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.0070	2.0070	9.0000e-005	0.0000	2.0089	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.7642	0.5692	9.3000e-004		0.0207	0.0207		0.0207	0.0207	0.0000	81.4483	81.4483	0.0263	0.0000	82.0015
Total	0.0284	0.7642	0.5692	9.3000e-004	0.0586	0.0207	0.0792	0.0243	0.0207	0.0450	0.0000	81.4483	81.4483	0.0263	0.0000	82.0015

3.11 Phase II – Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	1.0700e-003	8.9700e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.0070	2.0070	9.0000e-005	0.0000	2.0089
Total	6.3000e-004	1.0700e-003	8.9700e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.0070	2.0070	9.0000e-005	0.0000	2.0089

3.12 Phase II – Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0783	0.7156	0.8105	1.3400e-003		0.0348	0.0348		0.0328	0.0328	0.0000	115.4223	115.4223	0.0274	0.0000	115.9980
Total	0.0783	0.7156	0.8105	1.3400e-003		0.0348	0.0348		0.0328	0.0328	0.0000	115.4223	115.4223	0.0274	0.0000	115.9980

3.12 Phase II – Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2063	0.7678	2.5225	3.9800e-003	0.1058	0.0138	0.1196	0.0303	0.0127	0.0430	0.0000	336.8968	336.8968	2.5800e-003	0.0000	0.0000	336.9510
Worker	0.1467	0.2493	2.0817	7.5200e-003	0.6705	4.4400e-003	0.6750	0.1782	4.1200e-003	0.1823	0.0000	465.9680	465.9680	0.0201	0.0000	0.0000	466.3906
Total	0.3530	1.0170	4.6041	0.0115	0.7763	0.0182	0.7946	0.2085	0.0168	0.2253	0.0000	802.8648	802.8648	0.0227	0.0000	0.0000	803.3416

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.0539	1.1731	0.8908	1.3400e-003		0.0451	0.0451		0.0451	0.0451	0.0000	115.4222	115.4222	0.0274	0.0000	0.0000	115.9979
Total	0.0539	1.1731	0.8908	1.3400e-003		0.0451	0.0451		0.0451	0.0451	0.0000	115.4222	115.4222	0.0274	0.0000	0.0000	115.9979

3.12 Phase II – Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2063	0.7678	2.5225	3.9800e-003	0.1058	0.0138	0.1196	0.0303	0.0127	0.0430	0.0000	336.8968	336.8968	2.5800e-003	0.0000	336.9510
Worker	0.1467	0.2493	2.0817	7.5200e-003	0.6705	4.4400e-003	0.6750	0.1782	4.1200e-003	0.1823	0.0000	465.9680	465.9680	0.0201	0.0000	466.3906
Total	0.3530	1.0170	4.6041	0.0115	0.7763	0.0182	0.7946	0.2085	0.0168	0.2253	0.0000	802.8648	802.8648	0.0227	0.0000	803.3416

3.13 Phase II – Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.6000e-003	0.0750	0.1071	1.7000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0363	0.0750	0.1071	1.7000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004

3.13 Phase II – Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
Total	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8400e-003	0.1478	0.1270	1.7000e-004		4.9100e-003	4.9100e-003		4.9100e-003	4.9100e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0355	0.1478	0.1270	1.7000e-004		4.9100e-003	4.9100e-003		4.9100e-003	4.9100e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004

3.13 Phase II – Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
Total	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	5.2100e-003	7.2400e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0226
Total	2.9790	5.2100e-003	7.2400e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0226

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	3.9900e-003	0.0334	1.2000e-004	0.0107	7.0000e-005	0.0108	2.8600e-003	7.0000e-005	2.9200e-003	0.0000	7.4662	7.4662	3.2000e-004	0.0000	7.4730
Total	2.3500e-003	3.9900e-003	0.0334	1.2000e-004	0.0107	7.0000e-005	0.0108	2.8600e-003	7.0000e-005	2.9200e-003	0.0000	7.4662	7.4662	3.2000e-004	0.0000	7.4730

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	9.4100e-003	7.3300e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0226
Total	2.9787	9.4100e-003	7.3300e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0226

3.14 Phase II – Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	3.9900e-003	0.0334	1.2000e-004	0.0107	7.0000e-005	0.0108	2.8600e-003	7.0000e-005	2.9200e-003	0.0000	7.4662	7.4662	3.2000e-004	0.0000	7.4730
Total	2.3500e-003	3.9900e-003	0.0334	1.2000e-004	0.0107	7.0000e-005	0.0108	2.8600e-003	7.0000e-005	2.9200e-003	0.0000	7.4662	7.4662	3.2000e-004	0.0000	7.4730

3.14 Phase II – Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.4673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	7.3100e-003	0.0109	2.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5338
Total	4.4684	7.3100e-003	0.0109	2.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5338

3.14 Phase II – Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	5.6200e-003	0.0470	1.8000e-004	0.0161	1.1000e-004	0.0162	4.2800e-003	1.0000e-004	4.3800e-003	0.0000	11.0483	11.0483	4.6000e-004	0.0000	11.0581
Total	3.3300e-003	5.6200e-003	0.0470	1.8000e-004	0.0161	1.1000e-004	0.0162	4.2800e-003	1.0000e-004	4.3800e-003	0.0000	11.0483	11.0483	4.6000e-004	0.0000	11.0581

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.4673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	0.0141	0.0110	2.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5338
Total	4.4680	0.0141	0.0110	2.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5338

3.14 Phase II – Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	5.6200e-003	0.0470	1.8000e-004	0.0161	1.1000e-004	0.0162	4.2800e-003	1.0000e-004	4.3800e-003	0.0000	11.0483	11.0483	4.6000e-004	0.0000	11.0581
Total	3.3300e-003	5.6200e-003	0.0470	1.8000e-004	0.0161	1.1000e-004	0.0162	4.2800e-003	1.0000e-004	4.3800e-003	0.0000	11.0483	11.0483	4.6000e-004	0.0000	11.0581

3.15 Phase III – Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.2755	0.2760	3.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	34.4215	34.4215	0.0111	0.0000	34.6552
Total	0.0282	0.2755	0.2760	3.9000e-004	0.1807	0.0125	0.1932	0.0993	0.0115	0.1108	0.0000	34.4215	34.4215	0.0111	0.0000	34.6552

3.15 Phase III – Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	6.0000e-004	5.0500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.1880	1.1880	5.0000e-005	0.0000	1.1890
Total	3.6000e-004	6.0000e-004	5.0500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.1880	1.1880	5.0000e-005	0.0000	1.1890

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.3442	0.2340	3.9000e-004		9.6100e-003	9.6100e-003		9.6100e-003	9.6100e-003	0.0000	34.4214	34.4214	0.0111	0.0000	34.6552
Total	0.0123	0.3442	0.2340	3.9000e-004	0.0813	9.6100e-003	0.0909	0.0447	9.6100e-003	0.0543	0.0000	34.4214	34.4214	0.0111	0.0000	34.6552

3.15 Phase III – Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	6.0000e-004	5.0500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.1880	1.1880	5.0000e-005	0.0000	1.1890
Total	3.6000e-004	6.0000e-004	5.0500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.1880	1.1880	5.0000e-005	0.0000	1.1890

3.16 Phase III – Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1518	0.0000	0.1518	0.0629	0.0000	0.0629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0588	0.5634	0.5853	1.0800e-003		0.0249	0.0249		0.0229	0.0229	0.0000	95.0008	95.0008	0.0307	0.0000	95.6460
Total	0.0588	0.5634	0.5853	1.0800e-003	0.1518	0.0249	0.1767	0.0629	0.0229	0.0859	0.0000	95.0008	95.0008	0.0307	0.0000	95.6460

3.16 Phase III – Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	1.1800e-003	9.8300e-003	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3100	2.3100	1.0000e-004	0.0000	2.3120
Total	7.0000e-004	1.1800e-003	9.8300e-003	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3100	2.3100	1.0000e-004	0.0000	2.3120

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0683	0.0000	0.0683	0.0283	0.0000	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.8916	0.6640	1.0800e-003		0.0241	0.0241		0.0241	0.0241	0.0000	95.0007	95.0007	0.0307	0.0000	95.6459
Total	0.0331	0.8916	0.6640	1.0800e-003	0.0683	0.0241	0.0924	0.0283	0.0241	0.0524	0.0000	95.0007	95.0007	0.0307	0.0000	95.6459

3.16 Phase III – Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	1.1800e-003	9.8300e-003	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3100	2.3100	1.0000e-004	0.0000	2.3120
Total	7.0000e-004	1.1800e-003	9.8300e-003	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3100	2.3100	1.0000e-004	0.0000	2.3120

3.17 Phase III – Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1429	1.3043	1.5730	2.6200e-003		0.0595	0.0595		0.0560	0.0560	0.0000	225.1168	225.1168	0.0532	0.0000	226.2330
Total	0.1429	1.3043	1.5730	2.6200e-003		0.0595	0.0595		0.0560	0.0560	0.0000	225.1168	225.1168	0.0532	0.0000	226.2330

3.17 Phase III – Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4019	1.4814	4.8218	7.7600e-003	0.2063	0.0270	0.2333	0.0591	0.0249	0.0840	0.0000	656.9772	656.9772	5.0600e-003	0.0000	657.0834
Worker	0.2700	0.4563	3.8130	0.0147	1.3075	8.6500e-003	1.3162	0.3475	8.0300e-003	0.3555	0.0000	896.3886	896.3886	0.0376	0.0000	897.1790
Total	0.6719	1.9378	8.6348	0.0224	1.5138	0.0357	1.5495	0.4066	0.0329	0.4395	0.0000	1,553.3658	1,553.3658	0.0427	0.0000	1,554.2624

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1051	2.2875	1.7370	2.6200e-003		0.0879	0.0879		0.0879	0.0879	0.0000	225.1165	225.1165	0.0532	0.0000	226.2327
Total	0.1051	2.2875	1.7370	2.6200e-003		0.0879	0.0879		0.0879	0.0879	0.0000	225.1165	225.1165	0.0532	0.0000	226.2327

3.17 Phase III – Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4019	1.4814	4.8218	7.7600e-003	0.2063	0.0270	0.2333	0.0591	0.0249	0.0840	0.0000	656.9772	656.9772	5.0600e-003	0.0000	657.0834
Worker	0.2700	0.4563	3.8130	0.0147	1.3075	8.6500e-003	1.3162	0.3475	8.0300e-003	0.3555	0.0000	896.3886	896.3886	0.0376	0.0000	897.1790
Total	0.6719	1.9378	8.6348	0.0224	1.5138	0.0357	1.5495	0.4066	0.0329	0.4395	0.0000	1,553.3658	1,553.3658	0.0427	0.0000	1,554.2624

3.17 Phase III – Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0987	0.8997	1.1638	1.9500e-003		0.0381	0.0381		0.0358	0.0358	0.0000	167.4455	167.4455	0.0393	0.0000	168.2708
Total	0.0987	0.8997	1.1638	1.9500e-003		0.0381	0.0381		0.0358	0.0358	0.0000	167.4455	167.4455	0.0393	0.0000	168.2708

3.17 Phase III – Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2915	1.0913	3.5334	5.7700e-003	0.1534	0.0202	0.1736	0.0439	0.0186	0.0625	0.0000	488.5545	488.5545	3.7700e-003	0.0000	488.6337
Worker	0.1911	0.3210	2.6894	0.0109	0.9723	6.4600e-003	0.9787	0.2584	5.9900e-003	0.2644	0.0000	658.5210	658.5210	0.0270	0.0000	659.0882
Total	0.4826	1.4122	6.2228	0.0167	1.1257	0.0266	1.1523	0.3023	0.0246	0.3269	0.0000	1,147.0755	1,147.0755	0.0308	0.0000	1,147.7219

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0782	1.7010	1.2916	1.9500e-003		0.0654	0.0654		0.0654	0.0654	0.0000	167.4453	167.4453	0.0393	0.0000	168.2706
Total	0.0782	1.7010	1.2916	1.9500e-003		0.0654	0.0654		0.0654	0.0654	0.0000	167.4453	167.4453	0.0393	0.0000	168.2706

3.17 Phase III – Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2915	1.0913	3.5334	5.7700e-003	0.1534	0.0202	0.1736	0.0439	0.0186	0.0625	0.0000	488.5545	488.5545	3.7700e-003	0.0000	488.6337
Worker	0.1911	0.3210	2.6894	0.0109	0.9723	6.4600e-003	0.9787	0.2584	5.9900e-003	0.2644	0.0000	658.5210	658.5210	0.0270	0.0000	659.0882
Total	0.4826	1.4122	6.2228	0.0167	1.1257	0.0266	1.1523	0.3023	0.0246	0.3269	0.0000	1,147.0755	1,147.0755	0.0308	0.0000	1,147.7219

3.18 Phase III – Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5562
Total	7.4472	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5562

3.18 Phase III – Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2800e-003	8.8700e-003	0.0743	3.0000e-004	0.0269	1.8000e-004	0.0270	7.1400e-003	1.7000e-004	7.3000e-003	0.0000	18.1922	18.1922	7.5000e-004	0.0000	18.2079
Total	5.2800e-003	8.8700e-003	0.0743	3.0000e-004	0.0269	1.8000e-004	0.0270	7.1400e-003	1.7000e-004	7.3000e-003	0.0000	18.1922	18.1922	7.5000e-004	0.0000	18.2079

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1400e-003	0.0235	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5562
Total	7.4467	0.0235	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5562

3.18 Phase III – Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2800e-003	8.8700e-003	0.0743	3.0000e-004	0.0269	1.8000e-004	0.0270	7.1400e-003	1.7000e-004	7.3000e-003	0.0000	18.1922	18.1922	7.5000e-004	0.0000	18.2079
Total	5.2800e-003	8.8700e-003	0.0743	3.0000e-004	0.0269	1.8000e-004	0.0270	7.1400e-003	1.7000e-004	7.3000e-003	0.0000	18.1922	18.1922	7.5000e-004	0.0000	18.2079

3.19 Phase III – Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.9700e-003	0.0842	0.1428	2.2000e-004		4.1100e-003	4.1100e-003		3.7800e-003	3.7800e-003	0.0000	19.5934	19.5934	6.3400e-003	0.0000	19.7264
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0377	0.0842	0.1428	2.2000e-004		4.1100e-003	4.1100e-003		3.7800e-003	3.7800e-003	0.0000	19.5934	19.5934	6.3400e-003	0.0000	19.7264

3.19 Phase III – Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	3.9900e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9781	0.9781	4.0000e-005	0.0000	0.9789
Total	2.8000e-004	4.8000e-004	3.9900e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9781	0.9781	4.0000e-005	0.0000	0.9789

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1200e-003	0.1970	0.1693	2.2000e-004		6.5400e-003	6.5400e-003		6.5400e-003	6.5400e-003	0.0000	19.5933	19.5933	6.3400e-003	0.0000	19.7264
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0378	0.1970	0.1693	2.2000e-004		6.5400e-003	6.5400e-003		6.5400e-003	6.5400e-003	0.0000	19.5933	19.5933	6.3400e-003	0.0000	19.7264

3.19 Phase III – Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	3.9900e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9781	0.9781	4.0000e-005	0.0000	0.9789
Total	2.8000e-004	4.8000e-004	3.9900e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9781	0.9781	4.0000e-005	0.0000	0.9789

3.20 Phases IV & V – Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0502	0.4705	0.4978	7.8000e-004		0.0206	0.0206		0.0189	0.0189	0.0000	68.8343	68.8343	0.0223	0.0000	69.3018
Total	0.0502	0.4705	0.4978	7.8000e-004	0.3613	0.0206	0.3819	0.1986	0.0189	0.2176	0.0000	68.8343	68.8343	0.0223	0.0000	69.3018

3.20 Phases IV & V – Site Preparation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
Total	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.6885	0.4680	7.8000e-004		0.0192	0.0192		0.0192	0.0192	0.0000	68.8342	68.8342	0.0223	0.0000	69.3017
Total	0.0246	0.6885	0.4680	7.8000e-004	0.1626	0.0192	0.1818	0.0894	0.0192	0.1086	0.0000	68.8342	68.8342	0.0223	0.0000	69.3017

3.20 Phases IV & V – Site Preparation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
Total	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494

3.21 Phases IV & V – Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5855	0.0000	0.5855	0.2428	0.0000	0.2428	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0540	0.4907	0.5643	1.1100e-003		0.0214	0.0214		0.0197	0.0197	0.0000	97.6878	97.6878	0.0316	0.0000	98.3513
Total	0.0540	0.4907	0.5643	1.1100e-003	0.5855	0.0214	0.6068	0.2428	0.0197	0.2624	0.0000	97.6878	97.6878	0.0316	0.0000	98.3513

3.21 Phases IV & V – Grading - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
Total	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2635	0.0000	0.2635	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0341	0.9170	0.6830	1.1100e-003		0.0248	0.0248		0.0248	0.0248	0.0000	97.6877	97.6877	0.0316	0.0000	98.3511
Total	0.0341	0.9170	0.6830	1.1100e-003	0.2635	0.0248	0.2883	0.1092	0.0248	0.1341	0.0000	97.6877	97.6877	0.0316	0.0000	98.3511

3.21 Phases IV & V – Grading - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
Total	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494

3.21 Phases IV & V – Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5855	0.0000	0.5855	0.2428	0.0000	0.2428	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1486	1.3494	1.5519	3.0600e-003		0.0587	0.0587		0.0540	0.0540	0.0000	268.6414	268.6414	0.0869	0.0000	270.4660
Total	0.1486	1.3494	1.5519	3.0600e-003	0.5855	0.0587	0.6442	0.2428	0.0540	0.2968	0.0000	268.6414	268.6414	0.0869	0.0000	270.4660

3.21 Phases IV & V – Grading - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	2.9900e-003	0.0252	1.1000e-004	9.5300e-003	6.0000e-005	9.5900e-003	2.5300e-003	6.0000e-005	2.5900e-003	0.0000	6.3872	6.3872	2.6000e-004	0.0000	6.3925
Total	1.7900e-003	2.9900e-003	0.0252	1.1000e-004	9.5300e-003	6.0000e-005	9.5900e-003	2.5300e-003	6.0000e-005	2.5900e-003	0.0000	6.3872	6.3872	2.6000e-004	0.0000	6.3925

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2635	0.0000	0.2635	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0937	2.5219	1.8782	3.0600e-003		0.0682	0.0682		0.0682	0.0682	0.0000	268.6411	268.6411	0.0869	0.0000	270.4656
Total	0.0937	2.5219	1.8782	3.0600e-003	0.2635	0.0682	0.3317	0.1092	0.0682	0.1775	0.0000	268.6411	268.6411	0.0869	0.0000	270.4656

3.21 Phases IV & V – Grading - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	2.9900e-003	0.0252	1.1000e-004	9.5300e-003	6.0000e-005	9.5900e-003	2.5300e-003	6.0000e-005	2.5900e-003	0.0000	6.3872	6.3872	2.6000e-004	0.0000	6.3925
Total	1.7900e-003	2.9900e-003	0.0252	1.1000e-004	9.5300e-003	6.0000e-005	9.5900e-003	2.5300e-003	6.0000e-005	2.5900e-003	0.0000	6.3872	6.3872	2.6000e-004	0.0000	6.3925

3.22 Phases IV & V – Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1103	1.0052	1.3002	2.1700e-003		0.0425	0.0425		0.0400	0.0400	0.0000	187.0770	187.0770	0.0439	0.0000	187.9991
Total	0.1103	1.0052	1.3002	2.1700e-003		0.0425	0.0425		0.0400	0.0400	0.0000	187.0770	187.0770	0.0439	0.0000	187.9991

3.22 Phases IV & V – Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3283	1.2040	3.8774	6.4500e-003	0.1714	0.0224	0.1938	0.0491	0.0206	0.0697	0.0000	545.9004	545.9004	4.2000e-003	0.0000	545.9886
Worker	0.2039	0.3413	2.8669	0.0122	1.0863	7.2800e-003	1.0935	0.2887	6.7500e-003	0.2954	0.0000	727.9611	727.9611	0.0292	0.0000	728.5751
Total	0.5323	1.5453	6.7443	0.0186	1.2577	0.0297	1.2874	0.3378	0.0274	0.3651	0.0000	1,273.8614	1,273.8614	0.0334	0.0000	1,274.5637

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0873	1.9004	1.4431	2.1700e-003		0.0730	0.0730		0.0730	0.0730	0.0000	187.0768	187.0768	0.0439	0.0000	187.9989
Total	0.0873	1.9004	1.4431	2.1700e-003		0.0730	0.0730		0.0730	0.0730	0.0000	187.0768	187.0768	0.0439	0.0000	187.9989

3.22 Phases IV & V – Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3283	1.2040	3.8774	6.4500e-003	0.1714	0.0224	0.1938	0.0491	0.0206	0.0697	0.0000	545.9004	545.9004	4.2000e-003	0.0000	545.9886
Worker	0.2039	0.3413	2.8669	0.0122	1.0863	7.2800e-003	1.0935	0.2887	6.7500e-003	0.2954	0.0000	727.9611	727.9611	0.0292	0.0000	728.5751
Total	0.5323	1.5453	6.7443	0.0186	1.2577	0.0297	1.2874	0.3378	0.0274	0.3651	0.0000	1,273.8614	1,273.8614	0.0334	0.0000	1,274.5637

3.22 Phases IV & V – Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

3.22 Phases IV & V – Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4935	1.9182	5.8608	0.0104	0.2762	0.0362	0.3123	0.0791	0.0333	0.1124	0.0000	879.5792	879.5792	6.7800e-003	0.0000	879.7216
Worker	0.3146	0.5247	4.4203	0.0196	1.7501	0.0118	1.7619	0.4651	0.0110	0.4760	0.0000	1,161.9355	1,161.9355	0.0458	0.0000	1,162.8964
Total	0.8081	2.4428	10.2811	0.0300	2.0263	0.0480	2.0742	0.5442	0.0442	0.5884	0.0000	2,041.5146	2,041.5146	0.0525	0.0000	2,042.6180

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1407	3.0617	2.3249	3.5000e-003		0.1177	0.1177		0.1177	0.1177	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1407	3.0617	2.3249	3.5000e-003		0.1177	0.1177		0.1177	0.1177	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

3.22 Phases IV & V – Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4935	1.9182	5.8608	0.0104	0.2762	0.0362	0.3123	0.0791	0.0333	0.1124	0.0000	879.5792	879.5792	6.7800e-003	0.0000	879.7216
Worker	0.3146	0.5247	4.4203	0.0196	1.7501	0.0118	1.7619	0.4651	0.0110	0.4760	0.0000	1,161.9355	1,161.9355	0.0458	0.0000	1,162.8964
Total	0.8081	2.4428	10.2811	0.0300	2.0263	0.0480	2.0742	0.5442	0.0442	0.5884	0.0000	2,041.5146	2,041.5146	0.0525	0.0000	2,042.6180

3.22 Phases IV & V – Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1375	1.2534	1.6212	2.7100e-003		0.0530	0.0530		0.0499	0.0499	0.0000	233.2689	233.2689	0.0548	0.0000	234.4186
Total	0.1375	1.2534	1.6212	2.7100e-003		0.0530	0.0530		0.0499	0.0499	0.0000	233.2689	233.2689	0.0548	0.0000	234.4186

3.22 Phases IV & V – Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3712	1.4697	4.2453	8.0300e-003	0.2138	0.0280	0.2417	0.0612	0.0257	0.0869	0.0000	680.8110	680.8110	5.2500e-003	0.0000	680.9213
Worker	0.2336	0.3883	3.2854	0.0152	1.3545	9.1900e-003	1.3637	0.3600	8.5300e-003	0.3685	0.0000	892.0110	892.0110	0.0345	0.0000	892.7350
Total	0.6048	1.8580	7.5306	0.0232	1.5682	0.0371	1.6054	0.4212	0.0342	0.4554	0.0000	1,572.8220	1,572.8220	0.0397	0.0000	1,573.6562

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1089	2.3696	1.7994	2.7100e-003		0.0911	0.0911		0.0911	0.0911	0.0000	233.2686	233.2686	0.0548	0.0000	234.4183
Total	0.1089	2.3696	1.7994	2.7100e-003		0.0911	0.0911		0.0911	0.0911	0.0000	233.2686	233.2686	0.0548	0.0000	234.4183

3.22 Phases IV & V – Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3712	1.4697	4.2453	8.0300e-003	0.2138	0.0280	0.2417	0.0612	0.0257	0.0869	0.0000	680.8110	680.8110	5.2500e-003	0.0000	680.9213
Worker	0.2336	0.3883	3.2854	0.0152	1.3545	9.1900e-003	1.3637	0.3600	8.5300e-003	0.3685	0.0000	892.0110	892.0110	0.0345	0.0000	892.7350
Total	0.6048	1.8580	7.5306	0.0232	1.5682	0.0371	1.6054	0.4212	0.0342	0.4554	0.0000	1,572.8220	1,572.8220	0.0397	0.0000	1,573.6562

3.23 Phases IV & V – Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4733
Total	7.4485	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4733

3.23 Phases IV & V – Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1100e-003	0.0135	0.1140	5.3000e-004	0.0470	3.2000e-004	0.0473	0.0125	3.0000e-004	0.0128	0.0000	30.9557	30.9557	1.2000e-003	0.0000	30.9808
Total	8.1100e-003	0.0135	0.1140	5.3000e-004	0.0470	3.2000e-004	0.0473	0.0125	3.0000e-004	0.0128	0.0000	30.9557	30.9557	1.2000e-003	0.0000	30.9808

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0412	0.0321	5.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4733
Total	7.4475	0.0412	0.0321	5.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4733

3.23 Phases IV & V – Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1100e-003	0.0135	0.1140	5.3000e-004	0.0470	3.2000e-004	0.0473	0.0125	3.0000e-004	0.0128	0.0000	30.9557	30.9557	1.2000e-003	0.0000	30.9808
Total	8.1100e-003	0.0135	0.1140	5.3000e-004	0.0470	3.2000e-004	0.0473	0.0125	3.0000e-004	0.0128	0.0000	30.9557	30.9557	1.2000e-003	0.0000	30.9808

3.24 Phases IV & V – Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.0969	0.1642	2.6000e-004		4.7300e-003	4.7300e-003		4.3500e-003	4.3500e-003	0.0000	22.5324	22.5324	7.2900e-003	0.0000	22.6854
Paving	0.0220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0323	0.0969	0.1642	2.6000e-004		4.7300e-003	4.7300e-003		4.3500e-003	4.3500e-003	0.0000	22.5324	22.5324	7.2900e-003	0.0000	22.6854

3.24 Phases IV & V – Paving - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.8000e-004	4.0300e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.0937	1.0937	4.0000e-005	0.0000	1.0946
Total	2.9000e-004	4.8000e-004	4.0300e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.0937	1.0937	4.0000e-005	0.0000	1.0946

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.2266	0.1947	2.6000e-004		7.5200e-003	7.5200e-003		7.5200e-003	7.5200e-003	0.0000	22.5323	22.5323	7.2900e-003	0.0000	22.6854
Paving	0.0220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0325	0.2266	0.1947	2.6000e-004		7.5200e-003	7.5200e-003		7.5200e-003	7.5200e-003	0.0000	22.5323	22.5323	7.2900e-003	0.0000	22.6854

3.24 Phases IV & V – Paving - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.8000e-004	4.0300e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.0937	1.0937	4.0000e-005	0.0000	1.0946
Total	2.9000e-004	4.8000e-004	4.0300e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.0937	1.0937	4.0000e-005	0.0000	1.0946

3.24 Phases IV & V – Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1400e-003	0.0295	0.0500	8.0000e-005		1.4400e-003	1.4400e-003		1.3200e-003	1.3200e-003	0.0000	6.8577	6.8577	2.2200e-003	0.0000	6.9043
Paving	6.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.8300e-003	0.0295	0.0500	8.0000e-005		1.4400e-003	1.4400e-003		1.3200e-003	1.3200e-003	0.0000	6.8577	6.8577	2.2200e-003	0.0000	6.9043

3.24 Phases IV & V – Paving - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.4000e-004	1.1800e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	0.0000	0.3308
Total	8.0000e-005	1.4000e-004	1.1800e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	0.0000	0.3308

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1900e-003	0.0690	0.0593	8.0000e-005		2.2900e-003	2.2900e-003		2.2900e-003	2.2900e-003	0.0000	6.8577	6.8577	2.2200e-003	0.0000	6.9042
Paving	6.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.8800e-003	0.0690	0.0593	8.0000e-005		2.2900e-003	2.2900e-003		2.2900e-003	2.2900e-003	0.0000	6.8577	6.8577	2.2200e-003	0.0000	6.9042

3.24 Phases IV & V – Paving - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.4000e-004	1.1800e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	0.0000	0.3308
Total	8.0000e-005	1.4000e-004	1.1800e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	0.0000	0.3308

3.25 Phase VI – Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2700e-003	0.0588	0.0622	1.0000e-004		2.5700e-003	2.5700e-003		2.3700e-003	2.3700e-003	0.0000	8.6043	8.6043	2.7800e-003	0.0000	8.6627
Total	6.2700e-003	0.0588	0.0622	1.0000e-004	0.0452	2.5700e-003	0.0477	0.0248	2.3700e-003	0.0272	0.0000	8.6043	8.6043	2.7800e-003	0.0000	8.6627

3.25 Phase VI – Site Preparation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.2000e-004	1.0100e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.2833	0.2833	1.0000e-005	0.0000	0.2835
Total	7.0000e-005	1.2000e-004	1.0100e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.2833	0.2833	1.0000e-005	0.0000	0.2835

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0861	0.0585	1.0000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	8.6043	8.6043	2.7800e-003	0.0000	8.6627
Total	3.0700e-003	0.0861	0.0585	1.0000e-004	0.0203	2.4000e-003	0.0227	0.0112	2.4000e-003	0.0136	0.0000	8.6043	8.6043	2.7800e-003	0.0000	8.6627

3.25 Phase VI – Site Preparation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.2000e-004	1.0100e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.2833	0.2833	1.0000e-005	0.0000	0.2835
Total	7.0000e-005	1.2000e-004	1.0100e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.2833	0.2833	1.0000e-005	0.0000	0.2835

3.26 Phase VI – Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0651	0.0000	0.0651	0.0270	0.0000	0.0270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0225	0.2045	0.2351	4.6000e-004		8.9000e-003	8.9000e-003		8.1900e-003	8.1900e-003	0.0000	40.7032	40.7032	0.0132	0.0000	40.9797
Total	0.0225	0.2045	0.2351	4.6000e-004	0.0651	8.9000e-003	0.0740	0.0270	8.1900e-003	0.0352	0.0000	40.7032	40.7032	0.0132	0.0000	40.9797

3.26 Phase VI – Grading - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9443	0.9443	4.0000e-005	0.0000	0.9451
Total	2.4000e-004	4.0000e-004	3.3600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9443	0.9443	4.0000e-005	0.0000	0.9451

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0293	0.0000	0.0293	0.0121	0.0000	0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0142	0.3821	0.2846	4.6000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	40.7032	40.7032	0.0132	0.0000	40.9796
Total	0.0142	0.3821	0.2846	4.6000e-004	0.0293	0.0103	0.0396	0.0121	0.0103	0.0225	0.0000	40.7032	40.7032	0.0132	0.0000	40.9796

3.26 Phase VI – Grading - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9443	0.9443	4.0000e-005	0.0000	0.9451
Total	2.4000e-004	4.0000e-004	3.3600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9443	0.9443	4.0000e-005	0.0000	0.9451

3.27 Phase VI – Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1021	0.9307	1.2039	2.0100e-003		0.0394	0.0394		0.0370	0.0370	0.0000	173.2195	173.2195	0.0407	0.0000	174.0732
Total	0.1021	0.9307	1.2039	2.0100e-003		0.0394	0.0394		0.0370	0.0370	0.0000	173.2195	173.2195	0.0407	0.0000	174.0732

3.27 Phase VI – Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2731	1.0876	3.1408	5.9600e-003	0.1588	0.0208	0.1795	0.0455	0.0191	0.0646	0.0000	505.6291	505.6291	3.9000e-003	0.0000	505.7110
Worker	0.1662	0.2756	2.3413	0.0113	1.0058	6.8600e-003	1.0127	0.2673	6.3600e-003	0.2737	0.0000	657.7247	657.7247	0.0249	0.0000	658.2480
Total	0.4392	1.3632	5.4820	0.0172	1.1646	0.0276	1.1922	0.3128	0.0255	0.3382	0.0000	1,163.3538	1,163.3538	0.0288	0.0000	1,163.9590

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0809	1.7596	1.3362	2.0100e-003		0.0676	0.0676		0.0676	0.0676	0.0000	173.2193	173.2193	0.0407	0.0000	174.0730
Total	0.0809	1.7596	1.3362	2.0100e-003		0.0676	0.0676		0.0676	0.0676	0.0000	173.2193	173.2193	0.0407	0.0000	174.0730

3.27 Phase VI – Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2731	1.0876	3.1408	5.9600e-003	0.1588	0.0208	0.1795	0.0455	0.0191	0.0646	0.0000	505.6291	505.6291	3.9000e-003	0.0000	505.7110
Worker	0.1662	0.2756	2.3413	0.0113	1.0058	6.8600e-003	1.0127	0.2673	6.3600e-003	0.2737	0.0000	657.7247	657.7247	0.0249	0.0000	658.2480
Total	0.4392	1.3632	5.4820	0.0172	1.1646	0.0276	1.1922	0.3128	0.0255	0.3382	0.0000	1,163.3538	1,163.3538	0.0288	0.0000	1,163.9590

3.28 Phase VI – Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5400e-003	0.0103	0.0163	3.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3006
Total	7.4471	0.0103	0.0163	3.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3006

3.28 Phase VI – Architectural Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9900e-003	6.6200e-003	0.0563	2.7000e-004	0.0242	1.6000e-004	0.0243	6.4200e-003	1.5000e-004	6.5800e-003	0.0000	15.8081	15.8081	6.0000e-004	0.0000	15.8206
Total	3.9900e-003	6.6200e-003	0.0563	2.7000e-004	0.0242	1.6000e-004	0.0243	6.4200e-003	1.5000e-004	6.5800e-003	0.0000	15.8081	15.8081	6.0000e-004	0.0000	15.8206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0300e-003	0.0212	0.0165	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3006
Total	7.4465	0.0212	0.0165	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3006

3.28 Phase VI – Architectural Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9900e-003	6.6200e-003	0.0563	2.7000e-004	0.0242	1.6000e-004	0.0243	6.4200e-003	1.5000e-004	6.5800e-003	0.0000	15.8081	15.8081	6.0000e-004	0.0000	15.8206
Total	3.9900e-003	6.6200e-003	0.0563	2.7000e-004	0.0242	1.6000e-004	0.0243	6.4200e-003	1.5000e-004	6.5800e-003	0.0000	15.8081	15.8081	6.0000e-004	0.0000	15.8206

3.29 Phase VI – Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2400e-003	0.0211	0.0357	6.0000e-005		1.0300e-003	1.0300e-003		9.5000e-004	9.5000e-004	0.0000	4.8983	4.8983	1.5800e-003	0.0000	4.9316
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0309	0.0211	0.0357	6.0000e-005		1.0300e-003	1.0300e-003		9.5000e-004	9.5000e-004	0.0000	4.8983	4.8983	1.5800e-003	0.0000	4.9316

3.29 Phase VI – Paving - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	1.0000e-004	8.4000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2361	0.2361	1.0000e-005	0.0000	0.2363
Total	6.0000e-005	1.0000e-004	8.4000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2361	0.2361	1.0000e-005	0.0000	0.2363

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2800e-003	0.0493	0.0423	6.0000e-005		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	4.8983	4.8983	1.5800e-003	0.0000	4.9316
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0310	0.0493	0.0423	6.0000e-005		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	4.8983	4.8983	1.5800e-003	0.0000	4.9316

3.29 Phase VI – Paving - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	1.0000e-004	8.4000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2361	0.2361	1.0000e-005	0.0000	0.2363
Total	6.0000e-005	1.0000e-004	8.4000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2361	0.2361	1.0000e-005	0.0000	0.2363

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Improve Walkability Design

Increase Transit Accessibility

Improve Pedestrian Network

Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6112	4.6995	21.8951	0.0722	5.0236	0.0906	5.1143	1.3463	0.0837	1.4300	0.0000	4,774.7655	4,774.7655	0.1341	0.0000	4,777.5812
Unmitigated	2.7570	5.4102	24.5521	0.0863	6.0518	0.1066	6.1584	1.6218	0.0984	1.7202	0.0000	5,711.6153	5,711.6153	0.1583	0.0000	5,714.9388

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	823.75	895.00	758.75	2,095,877	1,739,787
City Park	25.44	25.44	25.44	51,701	42,917
Condo/Townhouse	1,219.15	1,324.60	1,122.95	3,101,898	2,574,885
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	644.10	749.55	378.60	897,003	744,602
Single Family Housing	1,004.85	1,058.40	920.85	2,542,828	2,110,801
Single Family Housing	2,918.85	3,074.40	2,674.85	7,386,310	6,131,374
Total	6,636.14	7,127.39	5,881.44	16,075,617	13,344,365

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.457871	0.042296	0.214250	0.146969	0.067525	0.009931	0.017760	0.024978	0.002423	0.001427	0.009102	0.000742	0.004726

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	966.1664	966.1664	0.0437	9.0400e-003	969.8859
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,424.0557	1,424.0557	0.0644	0.0133	1,429.5379
NaturalGas Mitigated	0.0816	0.6975	0.2974	4.4500e-003		0.0564	0.0564		0.0564	0.0564	0.0000	807.6453	807.6453	0.0155	0.0148	812.5605
NaturalGas Unmitigated	0.1031	0.8812	0.3758	5.6200e-003		0.0712	0.0712		0.0712	0.0712	0.0000	1,020.4291	1,020.4291	0.0196	0.0187	1,026.6393

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.01595e+006	5.4800e-003	0.0468	0.0199	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003	0.0000	54.2151	54.2151	1.0400e-003	9.9000e-004	54.5450
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	0.0000
Condo/Townhouse	3.6028e+006	0.0194	0.1660	0.0706	1.0600e-003		0.0134	0.0134		0.0134	0.0134	0.0000	192.2593	192.2593	3.6800e-003	3.5200e-003	193.4293
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	37350	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
Single Family Housing	1.07613e+007	0.0580	0.4959	0.2110	3.1700e-003		0.0401	0.0401		0.0401	0.0401	0.0000	574.2641	574.2641	0.0110	0.0105	577.7590
Single Family Housing	3.70471e+006	0.0200	0.1707	0.0726	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.6975	197.6975	3.7900e-003	3.6200e-003	198.9006
Total		0.1031	0.8812	0.3758	5.6300e-003		0.0712	0.0712		0.0712	0.0712	0.0000	1,020.4291	1,020.4291	0.0196	0.0187	1,026.6393

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	816214	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5563	43.5563	8.3000e-004	8.0000e-004	43.8214
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	0.0000
Condo/Townhouse	2.83859e+006	0.0153	0.1308	0.0557	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.4778	151.4778	2.9000e-003	2.7800e-003	152.3996
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28012.5	1.5000e-004	1.3700e-003	1.1500e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4949	1.4949	3.0000e-005	3.0000e-005	1.5040
Single Family Housing	2.9328e+006	0.0158	0.1351	0.0575	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	156.5054	156.5054	3.0000e-003	2.8700e-003	157.4579
Single Family Housing	8.51909e+006	0.0459	0.3926	0.1670	2.5100e-003		0.0317	0.0317		0.0317	0.0317	0.0000	454.6110	454.6110	8.7100e-003	8.3300e-003	457.3777
Total		0.0816	0.6975	0.2974	4.4500e-003		0.0564	0.0564		0.0564	0.0564	0.0000	807.6452	807.6452	0.0155	0.0148	812.5605

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	440820	128.2396	5.8000e-003	1.2000e-003	128.7333
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	797572	232.0228	0.0105	2.1700e-003	232.9161
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	581504	169.1662	7.6500e-003	1.5800e-003	169.8174
Regional Shopping Center	175350	51.0113	2.3100e-003	4.8000e-004	51.2077
Single Family Housing	2.15725e+006	627.5678	0.0284	5.8700e-003	629.9837
Single Family Housing	742659	216.0479	9.7700e-003	2.0200e-003	216.8797
Total		1,424.0557	0.0644	0.0133	1,429.5379

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	307927	89.5796	4.0500e-003	8.4000e-004	89.9244
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	557062	162.0558	7.3300e-003	1.5200e-003	162.6796
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	327096	95.1560	4.3000e-003	8.9000e-004	95.5223
Regional Shopping Center	106172	30.8866	1.4000e-003	2.9000e-004	31.0055
Single Family Housing	1.50485e+006	437.7780	0.0198	4.1000e-003	439.4633
Single Family Housing	518063	150.7105	6.8100e-003	1.4100e-003	151.2907
Total		966.1664	0.0437	9.0500e-003	969.8859

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	10.8935	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887
Unmitigated	11.6898	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7446					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.6503					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2950	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887
Total	11.6898	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7446					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.8540					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2950	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887
Total	10.8935	0.1130	9.8036	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0654	16.0654	0.0154	0.0000	16.3887

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	72.1923	0.8107	0.0197	95.3076
Unmitigated	89.3871	1.0135	0.0246	118.2936

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.4723 / 2.85934	11.3702	0.1462	3.5300e-003	15.5355
City Park	0 / 10.4272	10.6169	4.8000e-004	1.0000e-004	10.6578
Condo/Townhouse	6.61902 / 4.23183	16.8279	0.2164	5.2300e-003	22.9926
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.909125 / 0.557206	2.2868	0.0297	7.2000e-004	3.1335
Single Family Housing	18.9924 / 12.1427	48.2854	0.6208	0.0150	65.9742
Total		89.3871	1.0135	0.0246	118.2936

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.57784 / 2.35091	9.1607	0.1169	2.8200e-003	12.4914
City Park	0 / 8.57313	8.7291	3.9000e-004	8.0000e-005	8.7627
Condo/Townhouse	5.29522 / 3.47935	13.5579	0.1731	4.1800e-003	18.4874
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.7273 / 0.458127	1.8421	0.0238	5.7000e-004	2.5191
Single Family Housing	15.1939 / 9.98355	38.9026	0.4966	0.0120	53.0471
Total		72.1923	0.8107	0.0196	95.3076

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	211.2202	12.4828	0.0000	473.3581
Unmitigated	211.2202	12.4828	0.0000	473.3581

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.13	24.5883	1.4531	0.0000	55.1040
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	179.28	36.3922	2.1507	0.0000	81.5573
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.84	1.3885	0.0821	0.0000	3.1116
Single Family Housing	733.29	148.8512	8.7969	0.0000	333.5852
Total		211.2202	12.4828	0.0000	473.3581

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.13	24.5883	1.4531	0.0000	55.1040
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	179.28	36.3922	2.1507	0.0000	81.5573
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.84	1.3885	0.0821	0.0000	3.1116
Single Family Housing	733.29	148.8512	8.7969	0.0000	333.5852
Total		211.2202	12.4828	0.0000	473.3581

9.0 Operational Offroad

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	371.7000	0.0000	0.0000	371.7000

10.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	525	371.7000	0.0000	0.0000	371.7000
Total		371.7000	0.0000	0.0000	371.7000

Phase III – Site Preparation	0.56	-0.25	0.15	0.00	0.23	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Architectural Coating	0.00	-0.64	0.00	0.00	-0.65	-0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Building Construction	0.04	-0.36	-0.02	0.00	-0.42	-0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Grading	0.37	-0.87	-0.21	0.00	-0.16	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Paving	0.00	-1.33	-0.18	0.00	-0.59	-0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Site Preparation	0.50	-0.46	0.06	0.00	0.07	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Architectural Coating	0.00	-0.63	0.00	0.00	-0.62	-0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Building Construction	0.04	-0.36	-0.02	0.00	-0.42	-0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Grading	0.37	-0.87	-0.21	0.00	-0.16	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Paving	-0.01	-1.33	-0.18	0.00	-0.59	-0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Site Preparation	0.50	-0.46	0.06	0.00	0.07	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	Tier 2	6	6	No Change	0.00
Excavators	Diesel	Tier 2	17	17	No Change	0.00
Concrete/Industrial Saws	Diesel	Tier 2	1	1	No Change	0.00
Cranes	Diesel	Tier 2	6	6	No Change	0.00
Forklifts	Diesel	Tier 2	18	18	No Change	0.00
Graders	Diesel	Tier 2	7	7	No Change	0.00
Pavers	Diesel	Tier 2	14	14	No Change	0.00
Rollers	Diesel	Tier 2	14	14	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 2	26	26	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 2	54	54	No Change	0.00
Generator Sets	Diesel	Tier 2	6	6	No Change	0.00
Paving Equipment	Diesel	Tier 2	14	14	No Change	0.00
Scrapers	Diesel	Tier 2	14	14	No Change	0.00
Welders	Diesel	Tier 2	6	6	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	8.54000E-002	5.89570E-001	7.38540E-001	1.21000E-003	3.49300E-002	3.49300E-002	0.00000E+000	1.03790E+002	1.03790E+002	6.90000E-003	0.00000E+000	1.03935E+002
Concrete/Industrial Saws	1.38600E-002	1.07660E-001	1.11070E-001	1.90000E-004	6.88000E-003	6.88000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.14000E-003	0.00000E+000	1.61536E+001
Cranes	2.83440E-001	3.06280E+000	1.48387E+000	4.68000E-003	1.27880E-001	1.17650E-001	0.00000E+000	4.11191E+002	4.11191E+002	1.32990E-001	0.00000E+000	4.13984E+002
Excavators	1.47160E-001	1.39526E+000	2.11111E+000	3.34000E-003	6.75900E-002	6.21800E-002	0.00000E+000	2.96547E+002	2.96547E+002	9.49400E-002	0.00000E+000	2.98540E+002
Forklifts	2.90750E-001	2.70331E+000	3.25704E+000	4.34000E-003	1.66130E-001	1.52840E-001	0.00000E+000	3.81723E+002	3.81723E+002	1.23460E-001	0.00000E+000	3.84316E+002
Generator Sets	2.85870E-001	2.54779E+000	3.47699E+000	6.23000E-003	1.16920E-001	1.16920E-001	0.00000E+000	5.35534E+002	5.35534E+002	2.27900E-002	0.00000E+000	5.36013E+002
Graders	1.67950E-001	1.59457E+000	1.21024E+000	1.68000E-003	8.87500E-002	8.16500E-002	0.00000E+000	1.48918E+002	1.48918E+002	4.77700E-002	0.00000E+000	1.49921E+002
Pavers	5.90300E-002	6.14010E-001	7.13000E-001	1.16000E-003	2.96600E-002	2.72900E-002	0.00000E+000	1.02061E+002	1.02061E+002	3.28800E-002	0.00000E+000	1.02751E+002
Paving Equipment	4.81800E-002	4.81710E-001	6.39790E-001	1.03000E-003	2.39500E-002	2.20300E-002	0.00000E+000	9.05860E+001	9.05860E+001	2.91800E-002	0.00000E+000	9.11988E+001
Rollers	4.85800E-002	4.90890E-001	4.81540E-001	6.70000E-004	3.00100E-002	2.76100E-002	0.00000E+000	5.92395E+001	5.92395E+001	1.90800E-002	0.00000E+000	5.96403E+001
Rubber Tired Dozers	5.66270E-001	5.85498E+000	4.66927E+000	5.59000E-003	2.67920E-001	2.46490E-001	0.00000E+000	4.96972E+002	4.96972E+002	1.58960E-001	0.00000E+000	5.00310E+002
Scrapers	4.81210E-001	5.44762E+000	3.69136E+000	8.07000E-003	2.13460E-001	1.96380E-001	0.00000E+000	7.14404E+002	7.14404E+002	2.29160E-001	0.00000E+000	7.19216E+002
Tractors/Loaders/Backhoes	5.67240E-001	5.72538E+000	7.78738E+000	1.07900E-002	3.00880E-001	2.76810E-001	0.00000E+000	9.50203E+002	9.50203E+002	3.06380E-001	0.00000E+000	9.56637E+002
Welders	2.38520E-001	1.33335E+000	1.59013E+000	2.42000E-003	5.07300E-002	5.07300E-002	0.00000E+000	1.78339E+002	1.78339E+002	1.93800E-002	0.00000E+000	1.78746E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	4.63000E-002	9.56260E-001	7.44870E-001	1.21000E-003	3.86500E-002	3.86500E-002	0.00000E+000	1.03790E+002	1.03790E+002	6.90000E-003	0.00000E+000	1.03934E+002
Concrete/Industrial Saws	7.20000E-003	1.48610E-001	1.15760E-001	1.90000E-004	6.01000E-003	6.01000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.14000E-003	0.00000E+000	1.61535E+001
Cranes	1.15000E-001	3.97709E+000	2.49167E+000	4.68000E-003	8.43300E-002	8.43300E-002	0.00000E+000	4.11190E+002	4.11190E+002	1.32990E-001	0.00000E+000	4.13983E+002
Excavators	1.30170E-001	2.85685E+000	2.53486E+000	3.34000E-003	8.76900E-002	8.76900E-002	0.00000E+000	2.96546E+002	2.96546E+002	9.49400E-002	0.00000E+000	2.98540E+002
Forklifts	2.05240E-001	4.23875E+000	3.30176E+000	4.34000E-003	1.71330E-001	1.71330E-001	0.00000E+000	3.81723E+002	3.81723E+002	1.23460E-001	0.00000E+000	3.84315E+002
Generator Sets	2.38910E-001	4.93410E+000	3.84340E+000	6.23000E-003	1.99440E-001	1.99440E-001	0.00000E+000	5.35533E+002	5.35533E+002	2.27900E-002	0.00000E+000	5.36012E+002
Graders	6.46700E-002	1.41925E+000	1.25929E+000	1.68000E-003	4.35600E-002	4.35600E-002	0.00000E+000	1.48918E+002	1.48918E+002	4.77700E-002	0.00000E+000	1.49921E+002
Pavers	4.50400E-002	9.88460E-001	8.77050E-001	1.16000E-003	3.03400E-002	3.03400E-002	0.00000E+000	1.02061E+002	1.02061E+002	3.28800E-002	0.00000E+000	1.02751E+002
Paving Equipment	4.01500E-002	8.81140E-001	7.81830E-001	1.03000E-003	2.70500E-002	2.70500E-002	0.00000E+000	9.05859E+001	9.05859E+001	2.91800E-002	0.00000E+000	9.11987E+001
Rollers	3.15700E-002	6.51970E-001	5.07850E-001	6.70000E-004	2.63500E-002	2.63500E-002	0.00000E+000	5.92395E+001	5.92395E+001	1.90800E-002	0.00000E+000	5.96402E+001
Rubber Tired Dozers	1.35570E-001	4.68848E+000	2.93736E+000	5.59000E-003	9.94200E-002	9.94200E-002	0.00000E+000	4.96971E+002	4.96971E+002	1.58960E-001	0.00000E+000	5.00309E+002
Scrapers	1.98400E-001	6.26626E+000	4.29876E+000	8.07000E-003	1.45500E-001	1.45500E-001	0.00000E+000	7.14403E+002	7.14403E+002	2.29160E-001	0.00000E+000	7.19215E+002
Tractors/Loaders/Balkhoes	5.04200E-001	1.04128E+001	8.11101E+000	1.07900E-002	4.20900E-001	4.20900E-001	0.00000E+000	9.50202E+002	9.50202E+002	3.06380E-001	0.00000E+000	9.56635E+002
Welders	1.00320E-001	1.60160E+000	1.41826E+000	2.42000E-003	9.68600E-002	9.68600E-002	0.00000E+000	1.78339E+002	1.78339E+002	1.93800E-002	0.00000E+000	1.78746E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	4.57845E-001	-6.21962E-001	-8.57096E-003	0.00000E+000	-1.06499E-001	-1.06499E-001	0.00000E+000	1.15618E-006	1.15618E-006	0.00000E+000	0.00000E+000	1.15457E-006
Concrete/Industrial Saws	4.80519E-001	-3.80364E-001	-4.22256E-002	0.00000E+000	1.26453E-001	1.26453E-001	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23812E-006
Cranes	5.94270E-001	-2.98514E-001	-6.79170E-001	0.00000E+000	3.40554E-001	2.83213E-001	0.00000E+000	1.19166E-006	1.19166E-006	0.00000E+000	0.00000E+000	1.18362E-006
Excavators	1.15453E-001	-1.04754E+000	-2.00724E-001	0.00000E+000	-2.97381E-001	-4.10261E-001	0.00000E+000	1.18025E-006	1.18025E-006	0.00000E+000	0.00000E+000	1.20587E-006
Forklifts	2.94101E-001	-5.67985E-001	-1.37303E-002	0.00000E+000	-3.13008E-002	-1.20976E-001	0.00000E+000	1.17887E-006	1.17887E-006	0.00000E+000	0.00000E+000	1.19693E-006
Generator Sets	1.64270E-001	-9.36620E-001	-1.05381E-001	0.00000E+000	-7.05782E-001	-7.05782E-001	0.00000E+000	1.17640E-006	1.17640E-006	0.00000E+000	0.00000E+000	1.19400E-006
Graders	6.14945E-001	1.09948E-001	-4.05292E-002	0.00000E+000	5.09183E-001	4.66503E-001	0.00000E+000	1.20872E-006	1.20872E-006	0.00000E+000	0.00000E+000	1.20063E-006
Pavers	2.36998E-001	-6.09843E-001	-2.30084E-001	0.00000E+000	-2.29265E-002	-1.11763E-001	0.00000E+000	1.17577E-006	1.17577E-006	0.00000E+000	0.00000E+000	1.16787E-006
Paving Equipment	1.66667E-001	-8.29192E-001	-2.22010E-001	0.00000E+000	-1.29436E-001	-2.27871E-001	0.00000E+000	1.21432E-006	1.21432E-006	0.00000E+000	0.00000E+000	1.20616E-006
Rollers	3.50144E-001	-3.28139E-001	-5.46372E-002	0.00000E+000	1.21959E-001	4.56356E-002	0.00000E+000	1.18164E-006	1.18164E-006	0.00000E+000	0.00000E+000	1.34138E-006
Rubber Tired Dozers	7.60591E-001	1.99232E-001	3.70917E-001	0.00000E+000	6.28919E-001	5.96657E-001	0.00000E+000	1.18719E-006	1.18719E-006	0.00000E+000	0.00000E+000	1.19926E-006
Scrapers	5.87706E-001	-1.50275E-001	-1.64546E-001	0.00000E+000	3.18373E-001	2.59090E-001	0.00000E+000	1.18980E-006	1.18980E-006	0.00000E+000	0.00000E+000	1.18184E-006
Tractors/Loaders/Balckhoes	1.11135E-001	-8.18705E-001	-4.15583E-002	0.00000E+000	-3.98897E-001	-5.20538E-001	0.00000E+000	1.18922E-006	1.18922E-006	0.00000E+000	0.00000E+000	1.19168E-006
Welders	5.79406E-001	-2.01185E-001	1.08086E-001	0.00000E+000	-9.09324E-001	-9.09324E-001	0.00000E+000	1.23361E-006	1.23361E-006	0.00000E+000	0.00000E+000	1.17485E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00	
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day) 2.00

Phase VI – Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Site Preparation	Fugitive Dust	0.05	0.02	0.02	0.01	0.55	0.55
Phase VI – Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Architectural Coating	Roads	0.05	0.01	0.05	0.01	0.00	0.00
Phases IV & V – Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Building Construction	Roads	4.85	1.30	4.85	1.30	0.00	0.00
Phases IV & V – Grading	Fugitive Dust	1.17	0.49	0.53	0.22	0.55	0.55
Phases IV & V – Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Phases IV & V – Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Site Preparation	Fugitive Dust	0.36	0.20	0.16	0.09	0.55	0.55
Phases IV & V – Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.15	32.15	32.16	32.06	32.15
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	5.29	13.14	10.82	16.38	14.97	14.96	0.00	16.40	16.40	15.28	0.00	16.40
Natural Gas	20.86	20.85	20.86	20.96	20.83	20.83	0.00	20.85	20.85	20.91	20.80	20.85
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	19.14	19.24	20.01	20.13	19.43
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Urban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
Yes	Land Use	Increase Density	0.02	10.00		
No	Land Use	Increase Diversity	0.27	0.60		
Yes	Land Use	Improve Walkability Design	-0.10	7.00		
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.16	0.25		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.16			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.01			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.01			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
Yes	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.17			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	7.70			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00			2.00
No	Commute	Provide Ride Sharing Program	15.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.17		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	50.00
Yes	Use Low VOC Paint (Residential Exterior)	50.00
Yes	Use Low VOC Paint (Non-residential Interior)	50.00
Yes	Use Low VOC Paint (Non-residential Exterior)	50.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	25.00	
Yes	Install High Efficiency Lighting	25.00	
Yes	On-site Renewable		25.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
Yes	Use Reclaimed Water	0.00	45.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Avila Ranch Development Project San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,652.00	Space	14.87	660,800.00	0
Other Asphalt Surfaces	7.03	Acre	7.03	306,226.80	0
City Park	16.00	Acre	16.00	696,960.00	0
Regional Shopping Center	15.00	1000sqft	3.34	15,000.00	0
Apartments Mid Rise	125.00	Dwelling Unit	4.71	125,000.00	287
Condo/Townhouse	185.00	Dwelling Unit	11.05	185,000.00	424
Single Family Housing	105.00	Dwelling Unit	17.45	189,000.00	240
Single Family Housing	305.00	Dwelling Unit	35.03	549,000.00	698

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Taken from project description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00

tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	54.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstructionPhase	NumDays	3,100.00	665.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	120.00	60.00
tblConstructionPhase	NumDays	220.00	46.00
tblConstructionPhase	NumDays	310.00	125.00
tblConstructionPhase	NumDays	310.00	155.00
tblConstructionPhase	NumDays	220.00	15.00
tblConstructionPhase	NumDays	220.00	55.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	310.00	30.00
tblConstructionPhase	NumDays	3,100.00	100.00
tblConstructionPhase	NumDays	220.00	15.00

tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	35.00
tblConstructionPhase	NumDays	3,100.00	340.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	40.00
tblConstructionPhase	NumDays	310.00	135.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	220.00	35.00
tblConstructionPhase	NumDays	220.00	30.00
tblConstructionPhase	NumDays	120.00	5.00
tblConstructionPhase	NumDays	310.00	15.00
tblConstructionPhase	NumDays	3,100.00	150.00
tblConstructionPhase	NumDays	220.00	18.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	PhaseStartDate	9/29/2029	9/30/2029
tblGrading	AcresOfGrading	387.50	0.00
tblLandUse	LotAcreage	0.34	3.34
tblLandUse	LotAcreage	3.29	4.71
tblLandUse	LotAcreage	11.56	11.05
tblLandUse	LotAcreage	34.09	17.45
tblLandUse	LotAcreage	99.03	35.03
tblLandUse	Population	358.00	287.00
tblLandUse	Population	529.00	424.00
tblLandUse	Population	300.00	240.00
tblLandUse	Population	872.00	698.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSequestration	NumberOfNewTrees	0.00	525.00
tblSolidWaste	SolidWasteGenerationRate	57.50	121.13
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	90.62	179.28
tblSolidWaste	SolidWasteGenerationRate	15.75	6.84
tblSolidWaste	SolidWasteGenerationRate	373.92	733.29
tblTripsAndVMT	VendorTripNumber	0.00	475.00
tblTripsAndVMT	VendorTripNumber	475.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	18.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	1,393.00
tblTripsAndVMT	WorkerTripNumber	35.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,393.00	279.00
tblWater	IndoorWaterUseRate	8,144,253.20	4,472,304.06
tblWater	IndoorWaterUseRate	12,835,343.05	6,619,019.72
tblWater	IndoorWaterUseRate	1,111,087.82	909,125.22
tblWater	IndoorWaterUseRate	25,931,302.20	18,992,412.22
tblWater	OutdoorWaterUseRate	5,134,420.50	2,859,341.94
tblWater	OutdoorWaterUseRate	22,733,464.15	10,427,245.00
tblWater	OutdoorWaterUseRate	8,091,846.70	4,231,832.28
tblWater	OutdoorWaterUseRate	680,989.31	557,205.78
tblWater	OutdoorWaterUseRate	16,347,994.86	12,142,689.78

tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	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					
2019	7.6216	81.0550	62.7219	0.0877	18.2442	3.8357	22.0799	9.9779	3.5289	13.5067	0.0000	8,641.8019	8,641.8019	2.6936	0.0000	8,698.3666
2020	12.9107	79.5673	138.0535	0.2906	34.0005	3.0020	36.9426	14.2006	2.7618	16.9305	0.0000	23,852.2614	23,852.2614	2.6377	0.0000	23,907.6531
2021	2.7864	19.8969	28.2473	0.0612	2.7582	1.0668	3.8251	0.7315	1.0085	1.7400	0.0000	5,032.4291	5,032.4291	0.7296	0.0000	5,047.7506
2022	2.5381	17.9049	27.3723	0.0612	2.7582	0.9053	3.6635	0.7315	0.8564	1.5879	0.0000	4,998.2888	4,998.2888	0.7199	0.0000	5,013.4058
2023	745.3390	35.0018	97.0922	0.2632	18.2442	1.5556	19.6361	9.9779	1.4311	11.2584	0.0000	20,696.4419	20,696.4419	1.9422	0.0000	20,737.2276
2024	745.2947	32.4240	93.7608	0.2632	18.2442	1.4247	19.4952	9.9779	1.3107	11.1288	0.0000	20,553.6347	20,553.6347	1.9415	0.0000	20,594.4054
2025	745.2578	31.0940	91.1410	0.2631	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	20,428.3873	20,428.3873	1.9407	0.0000	20,469.1422
2026	7.6006	30.7221	88.7944	0.2631	15.9348	1.1880	16.8249	4.2701	1.0930	5.1006	0.0000	20,319.6957	20,319.6957	1.9405	0.0000	20,360.4468
2027	7.2715	30.3913	85.4501	0.2631	15.9350	0.8911	16.8261	4.2702	0.8314	5.1016	0.0000	20,224.9725	20,224.9725	1.0402	0.0000	20,246.8170
2028	426.0989	30.0935	82.3371	0.2630	15.9352	0.8914	16.8266	4.2703	0.8317	5.1020	0.0000	20,143.5469	20,143.5469	1.0300	0.0000	20,165.1762
2029	827.8999	29.8919	80.8762	0.2630	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	20,073.8049	20,073.8049	1.9401	0.0000	20,114.5464
Total	3,530.6192	418.0426	875.8467	2.3422	178.5429	17.1364	194.6692	78.3637	15.8393	93.3084	0.0000	184,965.2649	184,965.2649	18.5559	0.0000	185,354.9377

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	64.2250	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875
Energy	0.5650	4.8286	2.0589	0.0308		0.3904	0.3904		0.3904	0.3904		6,163.4549	6,163.4549	0.1181	0.1130	6,200.9647
Mobile	16.1836	30.3126	136.4838	0.5255	36.6866	0.6297	37.3163	9.8103	0.5812	10.3916		38,236.3989	38,236.3989	1.0312		38,258.0541
Total	80.9736	35.8258	197.9583	0.5595	36.6866	1.3501	38.0367	9.8103	1.3016	11.1119	0.0000	44,507.1814	44,507.1814	1.2522	0.1130	44,568.5063

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	59.8618	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875
Energy	0.4472	3.8217	1.6294	0.0244		0.3090	0.3090		0.3090	0.3090		4,878.2274	4,878.2274	0.0935	0.0894	4,907.9155
Mobile	15.3216	26.3613	120.1030	0.4393	30.4535	0.5354	30.9889	8.1436	0.4942	8.6377		31,963.7840	31,963.7840	0.8736		31,982.1292
Total	75.6306	30.8675	181.1480	0.4669	30.4535	1.1744	31.6279	8.1436	1.1332	9.2767	0.0000	36,949.3389	36,949.3389	1.0699	0.0894	36,999.5322

	ROG	NOx	CO	SO2	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	6.60	13.84	8.49	16.55	16.99	13.02	16.85	16.99	12.94	16.52	0.00	16.98	16.98	14.55	20.86	16.98

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Offsite Construction – Site Preparation	Site Preparation	1/1/2019	3/25/2019	5	60	
2	Offsite Construction – Grading	Grading	3/26/2019	10/28/2019	5	155	
3	Offsite Construction – Paving	Paving	10/29/2019	12/31/2019	5	46	
4	Phase I – Site Preparation	Site Preparation	1/1/2020	1/21/2020	5	15	
5	Phase I, III, IV – Grading	Grading	1/22/2020	7/14/2020	5	125	
6	Phase I – Building Construction	Building Construction	7/15/2020	1/31/2023	5	665	
7	Phase I – Paving	Paving	2/1/2023	2/21/2023	5	15	
8	Phase I – Architectural Coating	Architectural Coating	2/22/2023	5/9/2023	5	55	
9	Phase II – Site Preparation	Site Preparation	5/10/2023	5/30/2023	5	15	
10	Phase II – Grading	Grading	5/31/2023	7/11/2023	5	30	
11	Phase II – Building Construction	Building Construction	7/12/2023	11/28/2023	5	100	
12	Phase II – Paving	Paving	11/29/2023	12/19/2023	5	15	
13	Phase II – Architectural Coating	Architectural Coating	12/20/2023	1/16/2024	5	20	
14	Phase III – Site Preparation	Site Preparation	1/17/2024	2/13/2024	5	20	
15	Phase III – Grading	Grading	2/14/2024	4/2/2024	5	35	
16	Phase III – Building Construction	Building Construction	4/3/2024	7/22/2025	5	340	
17	Phase III – Architectural Coating	Architectural Coating	7/23/2025	8/19/2025	5	20	
18	Phase III – Paving	Paving	8/20/2025	9/16/2025	5	20	
19	Phases IV & V – Site Preparation	Site Preparation	9/17/2025	11/11/2025	5	40	

20	Phases IV & V – Grading	Grading	11/12/2025	5/19/2026	5	135
21	Phases IV & V – Building Construction	Building Construction	5/20/2026	10/10/2028	5	625
22	Phases IV & V – Architectural Coating	Architectural Coating	10/11/2028	11/28/2028	5	35
23	Phases IV & V – Paving	Paving	11/29/2028	1/9/2029	5	30
24	Phase VI – Site Preparation	Site Preparation	1/10/2029	1/16/2029	5	5
25	Phase VI – Grading	Grading	1/17/2029	2/6/2029	5	15
26	Phase VI – Building Construction	Building Construction	2/7/2029	9/4/2029	5	150
27	Phase VI – Architectural Coating	Architectural Coating	9/5/2029	9/28/2029	5	18
28	Phase VI – Paving	Paving	9/30/2029	10/5/2029	5	5

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase I – Building Construction	Air Compressors	1	6.00	78	0.48
Offsite Construction – Site Preparation	Excavators	3	8.00	162	0.38
Offsite Construction – Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Offsite Construction – Paving	Excavators	2	8.00	162	0.38
Phase I – Site Preparation	Cranes	1	7.00	226	0.29
Phase I – Site Preparation	Forklifts	3	8.00	89	0.20
Phase I – Site Preparation	Generator Sets	1	8.00	84	0.74
Phase I, III, IV – Grading	Pavers	2	8.00	125	0.42
Phase I, III, IV – Grading	Rollers	2	8.00	80	0.38

Offsite Construction – Site Preparation	Rubber Tired Dozers	2	8.00	255	0.40
Offsite Construction – Paving	Rubber Tired Dozers	1	8.00	255	0.40
Phase I – Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Offsite Construction – Paving	Graders	1	8.00	174	0.41
Offsite Construction – Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Offsite Construction – Grading	Rubber Tired Dozers	3	8.00	255	0.40
Offsite Construction – Paving	Scrapers	2	8.00	361	0.48
Phase I – Site Preparation	Welders	1	8.00	46	0.45
Phase II – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase III – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phases IV & V – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase VI – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase I – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase II – Building Construction	Cranes	1	7.00	226	0.29
Phase III – Building Construction	Cranes	1	7.00	226	0.29
Phases IV & V – Building Construction	Cranes	1	7.00	226	0.29
Phase VI – Building Construction	Cranes	1	7.00	226	0.29
Phase I – Building Construction	Cranes	1	7.00	226	0.29
Phase II – Grading	Excavators	2	8.00	162	0.38
Phase III – Grading	Excavators	2	8.00	162	0.38
Offsite Construction – Grading	Excavators	2	8.00	162	0.38
Phases IV & V – Grading	Excavators	2	8.00	162	0.38
Phase VI – Grading	Excavators	2	8.00	162	0.38
Phase I, III, IV – Grading	Excavators	2	8.00	162	0.38
Phase II – Building Construction	Forklifts	3	8.00	89	0.20
Phase III – Building Construction	Forklifts	3	8.00	89	0.20

Phases IV & V – Building Construction	Forklifts	3	8.00	89	0.20
Phase VI – Building Construction	Forklifts	3	8.00	89	0.20
Phase I – Building Construction	Forklifts	3	8.00	89	0.20
Phase II – Building Construction	Generator Sets	1	8.00	84	0.74
Phase III – Building Construction	Generator Sets	1	8.00	84	0.74
Phases IV & V – Building Construction	Generator Sets	1	8.00	84	0.74
Phase VI – Building Construction	Generator Sets	1	8.00	84	0.74
Phase I – Building Construction	Generator Sets	1	8.00	84	0.74
Phase II – Grading	Graders	1	8.00	174	0.41
Phase III – Grading	Graders	1	8.00	174	0.41
Offsite Construction – Grading	Graders	1	8.00	174	0.41
Phases IV & V – Grading	Graders	1	8.00	174	0.41
Phase VI – Grading	Graders	1	8.00	174	0.41
Phase I, III, IV – Grading	Graders	1	8.00	174	0.41
Phase II – Paving	Pavers	2	8.00	125	0.42
Phase III – Paving	Pavers	2	8.00	125	0.42
Phases IV & V – Paving	Pavers	2	8.00	125	0.42
Phase VI – Paving	Pavers	2	8.00	125	0.42
Offsite Construction – Paving	Pavers	2	8.00	125	0.42
Phase I – Paving	Pavers	2	8.00	125	0.42
Phase II – Paving	Paving Equipment	2	8.00	130	0.36
Phase III – Paving	Paving Equipment	2	8.00	130	0.36
Phases IV & V – Paving	Paving Equipment	2	8.00	130	0.36
Phase VI – Paving	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Paving	Paving Equipment	2	8.00	130	0.36
Phase I – Paving	Paving Equipment	2	8.00	130	0.36
Phase II – Paving	Rollers	2	8.00	80	0.38
Phase III – Paving	Rollers	2	8.00	80	0.38

Phases IV & V – Paving	Rollers	2	8.00	80	0.38
Phase VI – Paving	Rollers	2	8.00	80	0.38
Offsite Construction – Paving	Rollers	2	8.00	80	0.38
Phase I – Paving	Rollers	2	8.00	80	0.38
Phase II – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phases IV & V – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase VI – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase I, III, IV – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phases IV & V – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase VI – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase I – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Grading	Scrapers	2	8.00	361	0.48
Phase III – Grading	Scrapers	2	8.00	361	0.48
Offsite Construction – Grading	Scrapers	2	8.00	361	0.48
Phases IV & V – Grading	Scrapers	2	8.00	361	0.48
Phase VI – Grading	Scrapers	2	8.00	361	0.48
Phase I, III, IV – Grading	Scrapers	2	8.00	361	0.48
Phase II – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase III – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phases IV & V – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase VI – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase I – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase II – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase III – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phases IV & V – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Phase VI – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Offsite Construction – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase III – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phases IV & V – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase VI – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Building Construction	Welders	1	8.00	46	0.45
Phase III – Building Construction	Welders	1	8.00	46	0.45
Phases IV & V – Building Construction	Welders	1	8.00	46	0.45
Phase VI – Building Construction	Welders	1	8.00	46	0.45
Phase I – Building Construction	Welders	1	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
Offsite Construction – Site Preparation	10	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Grading	12	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Paving	14	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Site Preparation	12	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I, III, IV – Grading	14	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Building Construction	10	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Phase III – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Offsite Construction – Site Preparation - 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					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	4.2536	43.2907	40.0157	0.0524		2.2690	2.2690		2.1058	2.1058		5,159.400 1	5,159.400 1	1.4866		5,190.618 3
Total	4.2536	43.2907	40.0157	0.0524	12.0442	2.2690	14.3131	6.6205	2.1058	8.7262		5,159.400 1	5,159.400 1	1.4866		5,190.618 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	0.0429	0.0659	0.6353	1.6900e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		125.8629	125.8629	5.9700e-003		125.9884
Total	0.0429	0.0659	0.6353	1.6900e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		125.8629	125.8629	5.9700e-003		125.9884

3.2 Offsite Construction – Site Preparation - 2019

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					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	1.8728	45.4945	34.6332	0.0524		1.4199	1.4199		1.4199	1.4199	0.0000	5,159.400 1	5,159.400 1	1.4866		5,190.618 3
Total	1.8728	45.4945	34.6332	0.0524	5.4199	1.4199	6.8398	2.9792	1.4199	4.3991	0.0000	5,159.400 1	5,159.400 1	1.4866		5,190.618 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	0.0429	0.0659	0.6353	1.6900e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		125.8629	125.8629	5.9700e-003		125.9884
Total	0.0429	0.0659	0.6353	1.6900e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		125.8629	125.8629	5.9700e-003		125.9884

3.3 Offsite Construction – Grading - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	7.4152	80.9760	61.9596	0.0857		3.8345	3.8345		3.5278	3.5278		8,490.7664	8,490.7664	2.6864		8,547.1806
Total	7.4152	80.9760	61.9596	0.0857	18.0663	3.8345	21.9008	9.9307	3.5278	13.4585		8,490.7664	8,490.7664	2.6864		8,547.1806

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	0.0515	0.0791	0.7623	2.0300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		151.0355	151.0355	7.1700e-003		151.1860
Total	0.0515	0.0791	0.7623	2.0300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		151.0355	151.0355	7.1700e-003		151.1860

3.3 Offsite Construction – Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.6151	71.8913	51.9820	0.0857		1.9380	1.9380		1.9380	1.9380	0.0000	8,490.7664	8,490.7664	2.6864		8,547.1805
Total	2.6151	71.8913	51.9820	0.0857	8.1298	1.9380	10.0678	4.4688	1.9380	6.4068	0.0000	8,490.7664	8,490.7664	2.6864		8,547.1805

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	0.0515	0.0791	0.7623	2.0300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		151.0355	151.0355	7.1700e-003		151.1860
Total	0.0515	0.0791	0.7623	2.0300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		151.0355	151.0355	7.1700e-003		151.1860

3.4 Offsite Construction – Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.3170	69.1331	54.6540	0.0840		3.3143	3.3143		3.0492	3.0492		8,320.285 2	8,320.285 2	2.6325		8,375.566 7
Paving	1.2474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.5644	69.1331	54.6540	0.0840		3.3143	3.3143		3.0492	3.0492		8,320.285 2	8,320.285 2	2.6325		8,375.566 7

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	0.0572	0.0879	0.8470	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		167.8172	167.8172	7.9600e-003		167.9845
Total	0.0572	0.0879	0.8470	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		167.8172	167.8172	7.9600e-003		167.9845

3.4 Offsite Construction – Paving - 2019

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	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,320.285 2	8,320.285 2	2.6325		8,375.566 7
Paving	1.2474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.0517	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,320.285 2	8,320.285 2	2.6325		8,375.566 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	0.0000	0.0000	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	0.0572	0.0879	0.8470	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		167.8172	167.8172	7.9600e-003		167.9845
Total	0.0572	0.0879	0.8470	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		167.8172	167.8172	7.9600e-003		167.9845

3.5 Phase I – Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9983	49.5273	40.6161	0.0535		2.5112	2.5112		2.3330	2.3330		5,131.6875	5,131.6875	1.4568		5,162.2811
Total	4.9983	49.5273	40.6161	0.0535	18.0663	2.5112	20.5775	9.9307	2.3330	12.2637		5,131.6875	5,131.6875	1.4568		5,162.2811

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	4.3046	24.4786	44.1046	0.0803	2.1628	0.3412	2.5040	0.6175	0.3138	0.9312		7,501.8877	7,501.8877	0.0582		7,503.1096
Worker	3.6079	5.5614	53.3328	0.1567	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		11,218.6862	11,218.6862	0.5159		11,229.5204
Total	7.9124	30.0399	97.4374	0.2370	15.9342	0.4309	16.3651	4.2699	0.3970	4.6669		18,720.5739	18,720.5739	0.5741		18,732.6299

3.5 Phase I – Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.7258	45.8587	31.8476	0.0535		1.3765	1.3765		1.3765	1.3765	0.0000	5,131.6875	5,131.6875	1.4568		5,162.2811
Total	1.7258	45.8587	31.8476	0.0535	8.1298	1.3765	9.5063	4.4688	1.3765	5.8453	0.0000	5,131.6875	5,131.6875	1.4568		5,162.2811

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	4.3046	24.4786	44.1046	0.0803	2.1628	0.3412	2.5040	0.6175	0.3138	0.9312		7,501.8877	7,501.8877	0.0582		7,503.1096
Worker	3.6079	5.5614	53.3328	0.1567	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		11,218.6862	11,218.6862	0.5159		11,229.5204
Total	7.9124	30.0399	97.4374	0.2370	15.9342	0.4309	16.3651	4.2699	0.3970	4.6669		18,720.5739	18,720.5739	0.5741		18,732.6299

3.6 Phase I, III, IV – Grading - 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.8802	63.1684	52.7780	0.0840		3.0010	3.0010		2.7609	2.7609		8,138.4659	8,138.4659	2.6321		8,193.7410
Total	5.8802	63.1684	52.7780	0.0840	8.6733	3.0010	11.6743	3.5965	2.7609	6.3574		8,138.4659	8,138.4659	2.6321		8,193.7410

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	0.0389	0.0599	0.5743	1.6900e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		120.8042	120.8042	5.5600e-003		120.9209
Total	0.0389	0.0599	0.5743	1.6900e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		120.8042	120.8042	5.5600e-003		120.9209

3.6 Phase I, III, IV – Grading - 2020

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,138.4659	8,138.4659	2.6321		8,193.7410
Total	2.8043	70.6463	54.8708	0.0840	3.9030	2.0325	5.9355	1.6184	2.0325	3.6509	0.0000	8,138.4659	8,138.4659	2.6321		8,193.7410

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	0.0389	0.0599	0.5743	1.6900e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		120.8042	120.8042	5.5600e-003		120.9209
Total	0.0389	0.0599	0.5743	1.6900e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		120.8042	120.8042	5.5600e-003		120.9209

3.7 Phase I – Building Construction - 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	2.3534	20.7678	18.6399	0.0298		1.2238	1.2238		1.1574	1.1574		2,823.9280	2,823.9280	0.6412		2,837.3937
Total	2.3534	20.7678	18.6399	0.0298		1.2238	1.2238		1.1574	1.1574		2,823.9280	2,823.9280	0.6412		2,837.3937

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	0.7226	1.1139	10.6819	0.0314	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,246.9587	2,246.9587	0.1033		2,249.1286
Total	0.7226	1.1139	10.6819	0.0314	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,246.9587	2,246.9587	0.1033		2,249.1286

3.7 Phase I – Building Construction - 2020

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,823.9280	2,823.9280	0.6412		2,837.3937
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,823.9280	2,823.9280	0.6412		2,837.3937

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	0.7226	1.1139	10.6819	0.0314	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,246.9587	2,246.9587	0.1033		2,249.1286
Total	0.7226	1.1139	10.6819	0.0314	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,246.9587	2,246.9587	0.1033		2,249.1286

3.7 Phase I – Building Construction - 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	2.1120	18.8671	18.3552	0.0298		1.0490	1.0490		0.9919	0.9919		2,824.2298	2,824.2298	0.6319		2,837.4998
Total	2.1120	18.8671	18.3552	0.0298		1.0490	1.0490		0.9919	0.9919		2,824.2298	2,824.2298	0.6319		2,837.4998

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	0.6744	1.0298	9.8922	0.0314	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,208.1993	2,208.1993	0.0977		2,210.2508
Total	0.6744	1.0298	9.8922	0.0314	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,208.1993	2,208.1993	0.0977		2,210.2508

3.7 Phase I – Building Construction - 2021

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,824.2298	2,824.2298	0.6319		2,837.4998
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,824.2298	2,824.2298	0.6319		2,837.4998

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	0.6744	1.0298	9.8922	0.0314	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,208.1993	2,208.1993	0.0977		2,210.2508
Total	0.6744	1.0298	9.8922	0.0314	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,208.1993	2,208.1993	0.0977		2,210.2508

3.7 Phase I – Building Construction - 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	1.9037	16.9449	18.1412	0.0298		0.8874	0.8874		0.8398	0.8398		2,825.1977	2,825.1977	0.6269		2,838.3615
Total	1.9037	16.9449	18.1412	0.0298		0.8874	0.8874		0.8398	0.8398		2,825.1977	2,825.1977	0.6269		2,838.3615

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	0.6344	0.9600	9.2311	0.0314	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,173.0911	2,173.0911	0.0930		2,175.0444
Total	0.6344	0.9600	9.2311	0.0314	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,173.0911	2,173.0911	0.0930		2,175.0444

3.7 Phase I – Building Construction - 2022

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,825.1977	2,825.1977	0.6269		2,838.3615
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,825.1977	2,825.1977	0.6269		2,838.3615

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	0.6344	0.9600	9.2311	0.0314	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,173.0911	2,173.0911	0.0930		2,175.0444
Total	0.6344	0.9600	9.2311	0.0314	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,173.0911	2,173.0911	0.0930		2,175.0444

3.7 Phase I – Building Construction - 2023

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	1.7578	15.6156	18.0204	0.0298		0.7675	0.7675		0.7265	0.7265		2,826.0743	2,826.0743	0.6213		2,839.1208
Total	1.7578	15.6156	18.0204	0.0298		0.7675	0.7675		0.7265	0.7265		2,826.0743	2,826.0743	0.6213		2,839.1208

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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
Total	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931

3.7 Phase I – Building Construction - 2023

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,826.0743	2,826.0743	0.6213		2,839.1208
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,826.0743	2,826.0743	0.6213		2,839.1208

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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
Total	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931

3.8 Phase I – Paving - 2023

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	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.8380	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
Total	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147

3.8 Phase I – Paving - 2023

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.7374	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
Total	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	270.9374	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017

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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
Total	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931

3.9 Phase I – Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
Total	270.8596	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017

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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
Total	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.0157	29.9342	28.8193	0.0392		1.3907	1.3907		1.2795	1.2795		3,793.9535	3,793.9535	1.2270		3,819.7214
Total	3.0157	29.9342	28.8193	0.0392	18.0663	1.3907	19.4570	9.9307	1.2795	11.2102		3,793.9535	3,793.9535	1.2270		3,819.7214

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	0.0385	0.0579	0.5552	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		138.1373	138.1373	5.7300e-003		138.2576
Total	0.0385	0.0579	0.5552	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		138.1373	138.1373	5.7300e-003		138.2576

3.10 Phase II – Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.9535	3,793.9535	1.2270		3,819.7214
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,793.9535	3,793.9535	1.2270		3,819.7214

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	0.0385	0.0579	0.5552	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		138.1373	138.1373	5.7300e-003		138.2576
Total	0.0385	0.0579	0.5552	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		138.1373	138.1373	5.7300e-003		138.2576

3.11 Phase II – Grading - 2023

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	3.5314	34.9375	34.1888	0.0618		1.5543	1.5543		1.4300	1.4300		5,985.4359	5,985.4359	1.9358		6,026.0879
Total	3.5314	34.9375	34.1888	0.0618	8.6733	1.5543	10.2276	3.5965	1.4300	5.0265		5,985.4359	5,985.4359	1.9358		6,026.0879

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	0.0428	0.0643	0.6169	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		153.4858	153.4858	6.3700e-003		153.6196
Total	0.0428	0.0643	0.6169	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		153.4858	153.4858	6.3700e-003		153.6196

3.11 Phase II – Grading - 2023

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,985.4359	5,985.4359	1.9358		6,026.0879
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,985.4359	5,985.4359	1.9358		6,026.0879

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	0.0428	0.0643	0.6169	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		153.4858	153.4858	6.3700e-003		153.6196
Total	0.0428	0.0643	0.6169	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		153.4858	153.4858	6.3700e-003		153.6196

3.12 Phase II – Building Construction - 2023

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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 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	0.0000	0.0000	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	3.7256	14.9946	37.9181	0.0798	2.1632	0.2746	2.4377	0.6176	0.2526	0.8702		7,461.527 5	7,461.527 5	0.0558		7,462.700 1
Worker	2.9788	4.4784	42.9648	0.1566	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,690.28 81	10,690.28 81	0.4436		10,699.60 33
Total	6.7044	19.4731	80.8830	0.2364	15.9346	0.3634	16.2979	4.2700	0.3350	4.6050		18,151.81 56	18,151.81 56	0.4994		18,162.30 34

3.12 Phase II – Building Construction - 2023

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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
Total	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 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	0.0000	0.0000	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	3.7256	14.9946	37.9181	0.0798	2.1632	0.2746	2.4377	0.6176	0.2526	0.8702		7,461.527 5	7,461.527 5	0.0558		7,462.700 1
Worker	2.9788	4.4784	42.9648	0.1566	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,690.28 81	10,690.28 81	0.4436		10,699.60 33
Total	6.7044	19.4731	80.8830	0.2364	15.9346	0.3634	16.2979	4.2700	0.3350	4.6050		18,151.81 56	18,151.81 56	0.4994		18,162.30 34

3.13 Phase II – Paving - 2023

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	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.8380	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
Total	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147

3.13 Phase II – Paving - 2023

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.7374	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
Total	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	744.7424	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017

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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
Total	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931

3.14 Phase II – Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
Total	744.6647	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017

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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
Total	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931

3.14 Phase II – Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	744.7315	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809

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	0.5632	0.8424	8.0966	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,112.3620	2,112.3620	0.0852		2,114.1520
Total	0.5632	0.8424	8.0966	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,112.3620	2,112.3620	0.0852		2,114.1520

3.14 Phase II – Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.7809
Total	744.6647	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.7809

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	0.5632	0.8424	8.0966	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,112.3620	2,112.3620	0.0852		2,114.1520
Total	0.5632	0.8424	8.0966	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,112.3620	2,112.3620	0.0852		2,114.1520

3.15 Phase III – Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.8238	27.5450	27.6020	0.0392		1.2498	1.2498		1.1498	1.1498		3,794.3149	3,794.3149	1.2272		3,820.0852
Total	2.8238	27.5450	27.6020	0.0392	18.0663	1.2498	19.3161	9.9307	1.1498	11.0805		3,794.3149	3,794.3149	1.2272		3,820.0852

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	0.0363	0.0544	0.5224	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		136.2814	136.2814	5.5000e-003		136.3969
Total	0.0363	0.0544	0.5224	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		136.2814	136.2814	5.5000e-003		136.3969

3.15 Phase III – Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,794.3149	3,794.3149	1.2272		3,820.0852
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,794.3149	3,794.3149	1.2272		3,820.0852

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	0.0363	0.0544	0.5224	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		136.2814	136.2814	5.5000e-003		136.3969
Total	0.0363	0.0544	0.5224	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		136.2814	136.2814	5.5000e-003		136.3969

3.16 Phase III – Grading - 2024

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	3.3599	32.1927	33.4441	0.0618		1.4234	1.4234		1.3096	1.3096		5,984.025 2	5,984.025 2	1.9354		6,024.667 7
Total	3.3599	32.1927	33.4441	0.0618	8.6733	1.4234	10.0968	3.5965	1.3096	4.9061		5,984.025 2	5,984.025 2	1.9354		6,024.667 7

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	0.0404	0.0604	0.5804	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		151.4238	151.4238	6.1100e-003		151.5521
Total	0.0404	0.0604	0.5804	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		151.4238	151.4238	6.1100e-003		151.5521

3.16 Phase III – Grading - 2024

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,984.025 2	5,984.025 2	1.9354		6,024.667 7
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,984.025 2	5,984.025 2	1.9354		6,024.667 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	0.0000	0.0000	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	0.0404	0.0604	0.5804	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		151.4238	151.4238	6.1100e-003		151.5521
Total	0.0404	0.0604	0.5804	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		151.4238	151.4238	6.1100e-003		151.5521

3.17 Phase III – Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

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	3.7313	14.8407	37.2028	0.0798	2.1632	0.2758	2.4390	0.6176	0.2538	0.8714		7,461.8515	7,461.8515	0.0561		7,463.0288
Worker	2.8119	4.2059	40.4248	0.1565	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,546.6678	10,546.6678	0.4256		10,555.6046
Total	6.5431	19.0466	77.6276	0.2363	15.9345	0.3646	16.2991	4.2700	0.3361	4.6061		18,008.5192	18,008.5192	0.4816		18,018.6334

3.17 Phase III – Building Construction - 2024

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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

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	3.7313	14.8407	37.2028	0.0798	2.1632	0.2758	2.4390	0.6176	0.2538	0.8714		7,461.8515	7,461.8515	0.0561		7,463.0288
Worker	2.8119	4.2059	40.4248	0.1565	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,546.6678	10,546.6678	0.4256		10,555.6046
Total	6.5431	19.0466	77.6276	0.2363	15.9345	0.3646	16.2991	4.2700	0.3361	4.6061		18,008.5192	18,008.5192	0.4816		18,018.6334

3.17 Phase III – Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.6445	14.7042	36.6943	0.0798	2.1632	0.2769	2.4401	0.6176	0.2547	0.8723		7,462.3541	7,462.3541	0.0563		7,463.5354
Worker	2.6770	3.9801	38.3949	0.1565	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		10,420.1427	10,420.1427	0.4107		10,428.7671
Total	6.3215	18.6843	75.0892	0.2363	15.9346	0.3660	16.3006	4.2701	0.3374	4.6074		17,882.4968	17,882.4968	0.4669		17,892.3025

3.17 Phase III – Building Construction - 2025

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.6445	14.7042	36.6943	0.0798	2.1632	0.2769	2.4401	0.6176	0.2547	0.8723		7,462.3541	7,462.3541	0.0563		7,463.5354
Worker	2.6770	3.9801	38.3949	0.1565	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		10,420.1427	10,420.1427	0.4107		10,428.7671
Total	6.3215	18.6843	75.0892	0.2363	15.9346	0.3660	16.3006	4.2701	0.3374	4.6074		17,882.4968	17,882.4968	0.4669		17,892.3025

3.18 Phase III – Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	744.7216	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

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	0.5362	0.7972	7.6900	0.0313	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		2,087.0207	2,087.0207	0.0823		2,088.7481
Total	0.5362	0.7972	7.6900	0.0313	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		2,087.0207	2,087.0207	0.0823		2,088.7481

3.18 Phase III – Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
Total	744.6647	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705

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	0.5362	0.7972	7.6900	0.0313	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		2,087.0207	2,087.0207	0.0823		2,088.7481
Total	0.5362	0.7972	7.6900	0.0313	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		2,087.0207	2,087.0207	0.0823		2,088.7481

3.19 Phase III – Paving - 2025

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	2.8689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.7662	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0288	0.0429	0.4134	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		112.2054	112.2054	4.4200e-003		112.2983
Total	0.0288	0.0429	0.4134	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		112.2054	112.2054	4.4200e-003		112.2983

3.19 Phase III – Paving - 2025

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	2.8689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.7811	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0288	0.0429	0.4134	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		112.2054	112.2054	4.4200e-003		112.2983
Total	0.0288	0.0429	0.4134	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		112.2054	112.2054	4.4200e-003		112.2983

3.20 Phases IV & V – Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.8403	3,793.8403	1.2270		3,819.6074
Total	2.5083	23.5257	24.8879	0.0392	18.0663	1.0293	19.0956	9.9307	0.9470	10.8776		3,793.8403	3,793.8403	1.2270		3,819.6074

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	0.0346	0.0514	0.4961	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		134.6465	134.6465	5.3100e-003		134.7579
Total	0.0346	0.0514	0.4961	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		134.6465	134.6465	5.3100e-003		134.7579

3.20 Phases IV & V – Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074

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	0.0346	0.0514	0.4961	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		134.6465	134.6465	5.3100e-003		134.7579
Total	0.0346	0.0514	0.4961	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		134.6465	134.6465	5.3100e-003		134.7579

3.21 Phases IV & V – Grading - 2025

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	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0384	0.0571	0.5513	2.2500e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		149.6072	149.6072	5.9000e-003		149.7310
Total	0.0384	0.0571	0.5513	2.2500e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		149.6072	149.6072	5.9000e-003		149.7310

3.21 Phases IV & V – Grading - 2025

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0384	0.0571	0.5513	2.2500e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		149.6072	149.6072	5.9000e-003		149.7310
Total	0.0384	0.0571	0.5513	2.2500e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		149.6072	149.6072	5.9000e-003		149.7310

3.21 Phases IV & V – Grading - 2026

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	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0367	0.0544	0.5266	2.2500e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		148.0336	148.0336	5.7100e-003		148.1535
Total	0.0367	0.0544	0.5266	2.2500e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		148.0336	148.0336	5.7100e-003		148.1535

3.21 Phases IV & V – Grading - 2026

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0367	0.0544	0.5266	2.2500e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		148.0336	148.0336	5.7100e-003		148.1535
Total	0.0367	0.0544	0.5266	2.2500e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		148.0336	148.0336	5.7100e-003		148.1535

3.22 Phases IV & V – Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.6813	14.5236	36.0679	0.0798	2.1634	0.2753	2.4387	0.6177	0.2532	0.8709		7,463.2679	7,463.2679	0.0561		7,464.4454
Worker	2.5579	3.7888	36.6747	0.1565	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		10,310.5372	10,310.5372	0.3979		10,318.8934
Total	6.2392	18.3124	72.7426	0.2363	15.9348	0.3651	16.2999	4.2701	0.3366	4.6067		17,773.8052	17,773.8052	0.4540		17,783.3388

3.22 Phases IV & V – Building Construction - 2026

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.6813	14.5236	36.0679	0.0798	2.1634	0.2753	2.4387	0.6177	0.2532	0.8709		7,463.2679	7,463.2679	0.0561		7,464.4454
Worker	2.5579	3.7888	36.6747	0.1565	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		10,310.5372	10,310.5372	0.3979		10,318.8934
Total	6.2392	18.3124	72.7426	0.2363	15.9348	0.3651	16.2999	4.2701	0.3366	4.6067		17,773.8052	17,773.8052	0.4540		17,783.3388

3.22 Phases IV & V – Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.4613	14.3655	34.2634	0.0798	2.1636	0.2756	2.4392	0.6178	0.2536	0.8713		7,463.8861	7,463.8861	0.0562		7,465.0656
Worker	2.4487	3.6162	35.1349	0.1564	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		10,215.1959	10,215.1959	0.3865		10,223.3128
Total	5.9101	17.9817	69.3983	0.2362	15.9350	0.3661	16.3011	4.2702	0.3375	4.6077		17,679.0819	17,679.0819	0.4427		17,688.3784

3.22 Phases IV & V – Building Construction - 2027

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.4613	14.3655	34.2634	0.0798	2.1636	0.2756	2.4392	0.6178	0.2536	0.8713		7,463.8861	7,463.8861	0.0562		7,465.0656
Worker	2.4487	3.6162	35.1349	0.1564	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		10,215.1959	10,215.1959	0.3865		10,223.3128
Total	5.9101	17.9817	69.3983	0.2362	15.9350	0.3661	16.3011	4.2702	0.3375	4.6077		17,679.0819	17,679.0819	0.4427		17,688.3784

3.22 Phases IV & V – Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.3960	14.2250	32.5134	0.0797	2.1638	0.2754	2.4392	0.6178	0.2533	0.8712		7,464.5843	7,464.5843	0.0562		7,465.7643
Worker	2.3489	3.4587	33.7719	0.1564	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		10,133.0720	10,133.0720	0.3763		10,140.9733
Total	5.7449	17.6838	66.2854	0.2362	15.9352	0.3664	16.3015	4.2703	0.3378	4.6081		17,597.6563	17,597.6563	0.4324		17,606.7376

3.22 Phases IV & V – Building Construction - 2028

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.3960	14.2250	32.5134	0.0797	2.1638	0.2754	2.4392	0.6178	0.2533	0.8712		7,464.5843	7,464.5843	0.0562		7,465.7643
Worker	2.3489	3.4587	33.7719	0.1564	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		10,133.0720	10,133.0720	0.3763		10,140.9733
Total	5.7449	17.6838	66.2854	0.2362	15.9352	0.3664	16.3015	4.2703	0.3378	4.6081		17,597.6563	17,597.6563	0.4324		17,606.7376

3.23 Phases IV & V – Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	425.6284	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

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	0.4705	0.6927	6.7641	0.0313	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		2,029.5241	2,029.5241	0.0754		2,031.1066
Total	0.4705	0.6927	6.7641	0.0313	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		2,029.5241	2,029.5241	0.0754		2,031.1066

3.23 Phases IV & V – Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
Total	425.5715	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705

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	0.4705	0.6927	6.7641	0.0313	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		2,029.5241	2,029.5241	0.0754		2,031.1066
Total	0.4705	0.6927	6.7641	0.0313	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		2,029.5241	2,029.5241	0.0754		2,031.1066

3.24 Phases IV & V – Paving - 2028

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8099	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0253	0.0372	0.3637	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		109.1142	109.1142	4.0500e-003		109.1993
Total	0.0253	0.0372	0.3637	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		109.1142	109.1142	4.0500e-003		109.1993

3.24 Phases IV & V – Paving - 2028

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8248	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0253	0.0372	0.3637	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		109.1142	109.1142	4.0500e-003		109.1993
Total	0.0253	0.0372	0.3637	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		109.1142	109.1142	4.0500e-003		109.1993

3.24 Phases IV & V – Paving - 2029

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8099	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
Total	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339

3.24 Phases IV & V – Paving - 2029

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8248	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
Total	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339

3.25 Phase VI – Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.8403	3,793.8403	1.2270		3,819.6074
Total	2.5083	23.5257	24.8879	0.0392	18.0663	1.0293	19.0956	9.9307	0.9470	10.8776		3,793.8403	3,793.8403	1.2270		3,819.6074

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	0.0291	0.0427	0.4192	2.0200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		130.0213	130.0213	4.7300e-003		130.1207
Total	0.0291	0.0427	0.4192	2.0200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		130.0213	130.0213	4.7300e-003		130.1207

3.25 Phase VI – Site Preparation - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.840 3	3,793.840 3	1.2270		3,819.607 4
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,793.840 3	3,793.840 3	1.2270		3,819.607 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	0.0000	0.0000	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	0.0291	0.0427	0.4192	2.0200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		130.0213	130.0213	4.7300e-003		130.1207
Total	0.0291	0.0427	0.4192	2.0200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		130.0213	130.0213	4.7300e-003		130.1207

3.26 Phase VI – Grading - 2029

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	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0323	0.0475	0.4657	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		144.4682	144.4682	5.2600e-003		144.5786
Total	0.0323	0.0475	0.4657	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		144.4682	144.4682	5.2600e-003		144.5786

3.26 Phase VI – Grading - 2029

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0323	0.0475	0.4657	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		144.4682	144.4682	5.2600e-003		144.5786
Total	0.0323	0.0475	0.4657	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		144.4682	144.4682	5.2600e-003		144.5786

3.27 Phase VI – Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.3636	14.1752	32.3855	0.0798	2.1640	0.2754	2.4394	0.6179	0.2534	0.8713		7,465.7076	7,465.7076	0.0562		7,466.8886
Worker	2.2487	3.3070	32.4389	0.1564	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		10,062.2068	10,062.2068	0.3662		10,069.8977
Total	5.6123	17.4822	64.8244	0.2362	15.9353	0.3669	16.3022	4.2704	0.3382	4.6086		17,527.9144	17,527.9144	0.4225		17,536.7863

3.27 Phase VI – Building Construction - 2029

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.3636	14.1752	32.3855	0.0798	2.1640	0.2754	2.4394	0.6179	0.2534	0.8713		7,465.7076	7,465.7076	0.0562		7,466.8886
Worker	2.2487	3.3070	32.4389	0.1564	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		10,062.2068	10,062.2068	0.3662		10,069.8977
Total	5.6123	17.4822	64.8244	0.2362	15.9353	0.3669	16.3022	4.2704	0.3382	4.6086		17,527.9144	17,527.9144	0.4225		17,536.7863

3.28 Phase VI – Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	827.4495	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

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	0.4504	0.6624	6.4971	0.0313	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		2,015.3307	2,015.3307	0.0734		2,016.8711
Total	0.4504	0.6624	6.4971	0.0313	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		2,015.3307	2,015.3307	0.0734		2,016.8711

3.28 Phase VI – Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
Total	827.3925	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705

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	0.4504	0.6624	6.4971	0.0313	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		2,015.3307	2,015.3307	0.0734		2,016.8711
Total	0.4504	0.6624	6.4971	0.0313	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		2,015.3307	2,015.3307	0.0734		2,016.8711

3.29 Phase VI – Paving - 2029

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	11.4756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.3729	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
Total	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339

3.29 Phase VI – Paving - 2029

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	11.4756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.3878	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
Total	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	15.3216	26.3613	120.1030	0.4393	30.4535	0.5354	30.9889	8.1436	0.4942	8.6377		31,963.78 40	31,963.78 40	0.8736		31,982.12 92
Unmitigated	16.1836	30.3126	136.4838	0.5255	36.6866	0.6297	37.3163	9.8103	0.5812	10.3916		38,236.39 89	38,236.39 89	1.0312		38,258.05 41

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	823.75	895.00	758.75	2,095,877	1,739,787
City Park	25.44	25.44	25.44	51,701	42,917
Condo/Townhouse	1,219.15	1,324.60	1,122.95	3,101,898	2,574,885
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	644.10	749.55	378.60	897,003	744,602
Single Family Housing	1,004.85	1,058.40	920.85	2,542,828	2,110,801
Single Family Housing	2,918.85	3,074.40	2,674.85	7,386,310	6,131,374
Total	6,636.14	7,127.39	5,881.44	16,075,617	13,344,365

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.457871	0.042296	0.214250	0.146969	0.067525	0.009931	0.017760	0.024978	0.002423	0.001427	0.009102	0.000742	0.004726

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4472	3.8217	1.6294	0.0244		0.3090	0.3090		0.3090	0.3090		4,878.2274	4,878.2274	0.0935	0.0894	4,907.9155
NaturalGas Unmitigated	0.5650	4.8286	2.0589	0.0308		0.3904	0.3904		0.3904	0.3904		6,163.4549	6,163.4549	0.1181	0.1130	6,200.9647

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					
Apartments Mid Rise	2783.43	0.0300	0.2565	0.1092	1.6400e-003		0.0207	0.0207		0.0207	0.0207		327.4625	327.4625	6.2800e-003	6.0000e-003	329.4554
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	9870.69	0.1065	0.9097	0.3871	5.8100e-003		0.0736	0.0736		0.0736	0.0736		1,161.2580	1,161.2580	0.0223	0.0213	1,168.3252
Other Asphalt Surfaces	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
Regional Shopping Center	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Single Family Housing	10149.9	0.1095	0.9354	0.3980	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.1050	1,194.1050	0.0229	0.0219	1,201.3721
Single Family Housing	29483	0.3180	2.7171	1.1562	0.0173		0.2197	0.2197		0.2197	0.2197		3,468.5908	3,468.5908	0.0665	0.0636	3,489.7000
Total		0.5650	4.8286	2.0589	0.0308		0.3904	0.3904		0.3904	0.3904		6,163.4549	6,163.4549	0.1181	0.1130	6,200.9647

5.2 Energy by Land Use - NaturalGas

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	7.77695	0.0839	0.7167	0.3050	4.5700e-003		0.0580	0.0580		0.0580	0.0580		914.9350	914.9350	0.0175	0.0168	920.5032
Other Asphalt Surfaces	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
Regional Shopping Center	0.0767466	8.3000e-004	7.5200e-003	6.3200e-003	5.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		9.0290	9.0290	1.7000e-004	1.7000e-004	9.0840
Single Family Housing	23.34	0.2517	2.1509	0.9153	0.0137		0.1739	0.1739		0.1739	0.1739		2,745.8784	2,745.8784	0.0526	0.0503	2,762.5893
Single Family Housing	8.03507	0.0867	0.7405	0.3151	4.7300e-003		0.0599	0.0599		0.0599	0.0599		945.3024	945.3024	0.0181	0.0173	951.0554
Apartments Mid Rise	2.2362	0.0241	0.2061	0.0877	1.3200e-003		0.0167	0.0167		0.0167	0.0167		263.0826	263.0826	5.0400e-003	4.8200e-003	264.6837
Total		0.4472	3.8217	1.6294	0.0244		0.3090	0.3090		0.3090	0.3090		4,878.2274	4,878.2274	0.0935	0.0894	4,907.9155

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	59.8618	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875
Unmitigated	64.2250	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875

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	4.0797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	58.3575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7877	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3275	107.3275	0.1029		109.4875
Total	64.2250	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.0797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	53.9943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7877	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3275	107.3275	0.1029		109.4875
Total	59.8618	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Avila Ranch Development Project San Luis Obispo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,652.00	Space	14.87	660,800.00	0
Other Asphalt Surfaces	7.03	Acre	7.03	306,226.80	0
City Park	16.00	Acre	16.00	696,960.00	0
Regional Shopping Center	15.00	1000sqft	3.34	15,000.00	0
Apartments Mid Rise	125.00	Dwelling Unit	4.71	125,000.00	287
Condo/Townhouse	185.00	Dwelling Unit	11.05	185,000.00	424
Single Family Housing	105.00	Dwelling Unit	17.45	189,000.00	240
Single Family Housing	305.00	Dwelling Unit	35.03	549,000.00	698

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Taken from project description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	120.00	60.00
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tblConstructionPhase	NumDays	220.00	55.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	310.00	30.00
tblConstructionPhase	NumDays	3,100.00	100.00
tblConstructionPhase	NumDays	220.00	15.00

tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	35.00
tblConstructionPhase	NumDays	3,100.00	340.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	40.00
tblConstructionPhase	NumDays	310.00	135.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	220.00	35.00
tblConstructionPhase	NumDays	220.00	30.00
tblConstructionPhase	NumDays	120.00	5.00
tblConstructionPhase	NumDays	310.00	15.00
tblConstructionPhase	NumDays	3,100.00	150.00
tblConstructionPhase	NumDays	220.00	18.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	PhaseStartDate	9/29/2029	9/30/2029
tblGrading	AcresOfGrading	387.50	0.00
tblLandUse	LotAcreage	0.34	3.34
tblLandUse	LotAcreage	3.29	4.71
tblLandUse	LotAcreage	11.56	11.05
tblLandUse	LotAcreage	34.09	17.45
tblLandUse	LotAcreage	99.03	35.03
tblLandUse	Population	358.00	287.00
tblLandUse	Population	529.00	424.00
tblLandUse	Population	300.00	240.00
tblLandUse	Population	872.00	698.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSequestration	NumberOfNewTrees	0.00	525.00
tblSolidWaste	SolidWasteGenerationRate	57.50	121.13
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	90.62	179.28
tblSolidWaste	SolidWasteGenerationRate	15.75	6.84
tblSolidWaste	SolidWasteGenerationRate	373.92	733.29
tblTripsAndVMT	VendorTripNumber	0.00	475.00
tblTripsAndVMT	VendorTripNumber	475.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	18.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	1,393.00
tblTripsAndVMT	WorkerTripNumber	35.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,393.00	279.00
tblWater	IndoorWaterUseRate	8,144,253.20	4,472,304.06
tblWater	IndoorWaterUseRate	12,835,343.05	6,619,019.72
tblWater	IndoorWaterUseRate	1,111,087.82	909,125.22
tblWater	IndoorWaterUseRate	25,931,302.20	18,992,412.22
tblWater	OutdoorWaterUseRate	5,134,420.50	2,859,341.94
tblWater	OutdoorWaterUseRate	22,733,464.15	10,427,245.00
tblWater	OutdoorWaterUseRate	8,091,846.70	4,231,832.28
tblWater	OutdoorWaterUseRate	680,989.31	557,205.78
tblWater	OutdoorWaterUseRate	16,347,994.86	12,142,689.78

tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	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					
2019	7.6249	81.0657	62.7117	0.0877	18.2442	3.8357	22.0799	9.9779	3.5289	13.5067	0.0000	8,634.756 9	8,634.756 9	2.6936	0.0000	8,691.321 6
2020	14.0520	80.6805	160.2496	0.2827	34.0005	3.0020	36.9480	14.2006	2.7618	16.9355	0.0000	23,246.92 95	23,246.92 95	2.6377	0.0000	23,302.32 12
2021	2.8233	20.0344	28.0410	0.0597	2.7582	1.0668	3.8251	0.7315	1.0085	1.7400	0.0000	4,929.222 1	4,929.222 1	0.7296	0.0000	4,944.543 7
2022	2.5727	18.0325	27.1572	0.0597	2.7582	0.9053	3.6635	0.7315	0.8564	1.5879	0.0000	4,896.639 5	4,896.639 5	0.7199	0.0000	4,911.756 6
2023	745.3715	35.0103	116.3297	0.2553	18.2442	1.5556	19.6361	9.9779	1.4311	11.2584	0.0000	20,114.38 30	20,114.38 30	1.9422	0.0000	20,155.16 88
2024	745.3255	33.2116	112.5360	0.2552	18.2442	1.4247	19.4952	9.9779	1.3107	11.1288	0.0000	19,977.72 89	19,977.72 89	1.9415	0.0000	20,018.49 97
2025	745.2873	31.8432	109.5793	0.2552	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	19,857.89 93	19,857.89 93	1.9407	0.0000	19,898.65 43
2026	8.4323	31.4375	106.8521	0.2552	15.9348	1.1880	16.8282	4.2701	1.0930	5.1036	0.0000	19,753.90 78	19,753.90 78	1.9405	0.0000	19,794.65 88
2027	8.0069	31.0739	101.6962	0.2551	15.9350	0.8943	16.8293	4.2702	0.8344	5.1046	0.0000	19,663.19 85	19,663.19 85	1.0428	0.0000	19,685.09 82
2028	426.1259	30.7470	96.8181	0.2550	15.9352	0.8946	16.8298	4.2703	0.8347	5.1050	0.0000	19,585.17 25	19,585.17 25	1.0326	0.0000	19,606.85 71
2029	827.9264	30.5245	95.3237	0.2550	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	19,518.28 11	19,518.28 11	1.9401	0.0000	19,559.02 26
Total	3,533.548 7	423.6611	1,017.294 5	2.2756	178.5429	17.1430	194.6844	78.3637	15.8453	93.3224	0.0000	180,178.1 191	180,178.1 191	18.5611	0.0000	180,567.9 025

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	64.2250	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875
Energy	0.5650	4.8286	2.0589	0.0308		0.3904	0.3904		0.3904	0.3904		6,163.4549	6,163.4549	0.1181	0.1130	6,200.9647
Mobile	17.4010	32.0823	152.7690	0.5073	36.6866	0.6320	37.3186	9.8103	0.5833	10.3937		37,006.0491	37,006.0491	1.0332		37,027.7462
Total	82.1909	37.5954	214.2435	0.5413	36.6866	1.3524	38.0390	9.8103	1.3037	11.1140	0.0000	43,276.8316	43,276.8316	1.2542	0.1130	43,338.1984

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	59.8618	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875
Energy	0.4472	3.8217	1.6294	0.0244		0.3090	0.3090		0.3090	0.3090		4,878.2274	4,878.2274	0.0935	0.0894	4,907.9155
Mobile	16.5372	27.8803	137.0716	0.4242	30.4535	0.5377	30.9912	8.1436	0.4963	8.6398		30,933.0040	30,933.0040	0.8756		30,951.3911
Total	76.8462	32.3866	198.1166	0.4517	30.4535	1.1766	31.6301	8.1436	1.1352	9.2788	0.0000	35,918.5589	35,918.5589	1.0719	0.0894	35,968.7941

	ROG	NOx	CO	SO2	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	6.50	13.85	7.53	16.54	16.99	13.00	16.85	16.99	12.92	16.51	0.00	17.00	17.00	14.53	20.86	17.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Offsite Construction – Site Preparation	Site Preparation	1/1/2019	3/25/2019	5	60	
2	Offsite Construction – Grading	Grading	3/26/2019	10/28/2019	5	155	
3	Offsite Construction – Paving	Paving	10/29/2019	12/31/2019	5	46	
4	Phase I – Site Preparation	Site Preparation	1/1/2020	1/21/2020	5	15	
5	Phase I, III, IV – Grading	Grading	1/22/2020	7/14/2020	5	125	
6	Phase I – Building Construction	Building Construction	7/15/2020	1/31/2023	5	665	
7	Phase I – Paving	Paving	2/1/2023	2/21/2023	5	15	
8	Phase I – Architectural Coating	Architectural Coating	2/22/2023	5/9/2023	5	55	
9	Phase II – Site Preparation	Site Preparation	5/10/2023	5/30/2023	5	15	
10	Phase II – Grading	Grading	5/31/2023	7/11/2023	5	30	
11	Phase II – Building Construction	Building Construction	7/12/2023	11/28/2023	5	100	
12	Phase II – Paving	Paving	11/29/2023	12/19/2023	5	15	
13	Phase II – Architectural Coating	Architectural Coating	12/20/2023	1/16/2024	5	20	
14	Phase III – Site Preparation	Site Preparation	1/17/2024	2/13/2024	5	20	
15	Phase III – Grading	Grading	2/14/2024	4/2/2024	5	35	
16	Phase III – Building Construction	Building Construction	4/3/2024	7/22/2025	5	340	
17	Phase III – Architectural Coating	Architectural Coating	7/23/2025	8/19/2025	5	20	
18	Phase III – Paving	Paving	8/20/2025	9/16/2025	5	20	
19	Phases IV & V – Site Preparation	Site Preparation	9/17/2025	11/11/2025	5	40	

20	Phases IV & V – Grading	Grading	11/12/2025	5/19/2026	5	135
21	Phases IV & V – Building Construction	Building Construction	5/20/2026	10/10/2028	5	625
22	Phases IV & V – Architectural Coating	Architectural Coating	10/11/2028	11/28/2028	5	35
23	Phases IV & V – Paving	Paving	11/29/2028	1/9/2029	5	30
24	Phase VI – Site Preparation	Site Preparation	1/10/2029	1/16/2029	5	5
25	Phase VI – Grading	Grading	1/17/2029	2/6/2029	5	15
26	Phase VI – Building Construction	Building Construction	2/7/2029	9/4/2029	5	150
27	Phase VI – Architectural Coating	Architectural Coating	9/5/2029	9/28/2029	5	18
28	Phase VI – Paving	Paving	9/30/2029	10/5/2029	5	5

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase I – Building Construction	Air Compressors	1	6.00	78	0.48
Offsite Construction – Site Preparation	Excavators	3	8.00	162	0.38
Offsite Construction – Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Offsite Construction – Paving	Excavators	2	8.00	162	0.38
Phase I – Site Preparation	Cranes	1	7.00	226	0.29
Phase I – Site Preparation	Forklifts	3	8.00	89	0.20
Phase I – Site Preparation	Generator Sets	1	8.00	84	0.74
Phase I, III, IV – Grading	Pavers	2	8.00	125	0.42
Phase I, III, IV – Grading	Rollers	2	8.00	80	0.38

Offsite Construction – Site Preparation	Rubber Tired Dozers	2	8.00	255	0.40
Offsite Construction – Paving	Rubber Tired Dozers	1	8.00	255	0.40
Phase I – Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Offsite Construction – Paving	Graders	1	8.00	174	0.41
Offsite Construction – Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Offsite Construction – Grading	Rubber Tired Dozers	3	8.00	255	0.40
Offsite Construction – Paving	Scrapers	2	8.00	361	0.48
Phase I – Site Preparation	Welders	1	8.00	46	0.45
Phase II – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase III – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phases IV & V – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase VI – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase I – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase II – Building Construction	Cranes	1	7.00	226	0.29
Phase III – Building Construction	Cranes	1	7.00	226	0.29
Phases IV & V – Building Construction	Cranes	1	7.00	226	0.29
Phase VI – Building Construction	Cranes	1	7.00	226	0.29
Phase I – Building Construction	Cranes	1	7.00	226	0.29
Phase II – Grading	Excavators	2	8.00	162	0.38
Phase III – Grading	Excavators	2	8.00	162	0.38
Offsite Construction – Grading	Excavators	2	8.00	162	0.38
Phases IV & V – Grading	Excavators	2	8.00	162	0.38
Phase VI – Grading	Excavators	2	8.00	162	0.38
Phase I, III, IV – Grading	Excavators	2	8.00	162	0.38
Phase II – Building Construction	Forklifts	3	8.00	89	0.20
Phase III – Building Construction	Forklifts	3	8.00	89	0.20

Phases IV & V – Building Construction	Forklifts	3	8.00	89	0.20
Phase VI – Building Construction	Forklifts	3	8.00	89	0.20
Phase I – Building Construction	Forklifts	3	8.00	89	0.20
Phase II – Building Construction	Generator Sets	1	8.00	84	0.74
Phase III – Building Construction	Generator Sets	1	8.00	84	0.74
Phases IV & V – Building Construction	Generator Sets	1	8.00	84	0.74
Phase VI – Building Construction	Generator Sets	1	8.00	84	0.74
Phase I – Building Construction	Generator Sets	1	8.00	84	0.74
Phase II – Grading	Graders	1	8.00	174	0.41
Phase III – Grading	Graders	1	8.00	174	0.41
Offsite Construction – Grading	Graders	1	8.00	174	0.41
Phases IV & V – Grading	Graders	1	8.00	174	0.41
Phase VI – Grading	Graders	1	8.00	174	0.41
Phase I, III, IV – Grading	Graders	1	8.00	174	0.41
Phase II – Paving	Pavers	2	8.00	125	0.42
Phase III – Paving	Pavers	2	8.00	125	0.42
Phases IV & V – Paving	Pavers	2	8.00	125	0.42
Phase VI – Paving	Pavers	2	8.00	125	0.42
Offsite Construction – Paving	Pavers	2	8.00	125	0.42
Phase I – Paving	Pavers	2	8.00	125	0.42
Phase II – Paving	Paving Equipment	2	8.00	130	0.36
Phase III – Paving	Paving Equipment	2	8.00	130	0.36
Phases IV & V – Paving	Paving Equipment	2	8.00	130	0.36
Phase VI – Paving	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Paving	Paving Equipment	2	8.00	130	0.36
Phase I – Paving	Paving Equipment	2	8.00	130	0.36
Phase II – Paving	Rollers	2	8.00	80	0.38
Phase III – Paving	Rollers	2	8.00	80	0.38

Phases IV & V – Paving	Rollers	2	8.00	80	0.38
Phase VI – Paving	Rollers	2	8.00	80	0.38
Offsite Construction – Paving	Rollers	2	8.00	80	0.38
Phase I – Paving	Rollers	2	8.00	80	0.38
Phase II – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phases IV & V – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase VI – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase I, III, IV – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phases IV & V – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase VI – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase I – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Grading	Scrapers	2	8.00	361	0.48
Phase III – Grading	Scrapers	2	8.00	361	0.48
Offsite Construction – Grading	Scrapers	2	8.00	361	0.48
Phases IV & V – Grading	Scrapers	2	8.00	361	0.48
Phase VI – Grading	Scrapers	2	8.00	361	0.48
Phase I, III, IV – Grading	Scrapers	2	8.00	361	0.48
Phase II – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase III – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phases IV & V – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase VI – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase I – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase II – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase III – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phases IV & V – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Phase VI – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Offsite Construction – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase III – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phases IV & V – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase VI – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Building Construction	Welders	1	8.00	46	0.45
Phase III – Building Construction	Welders	1	8.00	46	0.45
Phases IV & V – Building Construction	Welders	1	8.00	46	0.45
Phase VI – Building Construction	Welders	1	8.00	46	0.45
Phase I – Building Construction	Welders	1	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
Offsite Construction – Site Preparation	10	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Grading	12	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Paving	14	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Site Preparation	12	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I, III, IV – Grading	14	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Building Construction	10	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Phase III – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Offsite Construction – Site Preparation - 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					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	4.2536	43.2907	40.0157	0.0524		2.2690	2.2690		2.1058	2.1058		5,159.400 1	5,159.400 1	1.4866		5,190.618 3
Total	4.2536	43.2907	40.0157	0.0524	12.0442	2.2690	14.3131	6.6205	2.1058	8.7262		5,159.400 1	5,159.400 1	1.4866		5,190.618 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	0.0454	0.0748	0.6268	1.6100e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		119.9921	119.9921	5.9700e-003		120.1175
Total	0.0454	0.0748	0.6268	1.6100e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		119.9921	119.9921	5.9700e-003		120.1175

3.2 Offsite Construction – Site Preparation - 2019

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					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	1.8728	45.4945	34.6332	0.0524		1.4199	1.4199		1.4199	1.4199	0.0000	5,159.400 1	5,159.400 1	1.4866		5,190.618 3
Total	1.8728	45.4945	34.6332	0.0524	5.4199	1.4199	6.8398	2.9792	1.4199	4.3991	0.0000	5,159.400 1	5,159.400 1	1.4866		5,190.618 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	0.0454	0.0748	0.6268	1.6100e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		119.9921	119.9921	5.9700e-003		120.1175
Total	0.0454	0.0748	0.6268	1.6100e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		119.9921	119.9921	5.9700e-003		120.1175

3.3 Offsite Construction – Grading - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	7.4152	80.9760	61.9596	0.0857		3.8345	3.8345		3.5278	3.5278		8,490.7664	8,490.7664	2.6864		8,547.1806
Total	7.4152	80.9760	61.9596	0.0857	18.0663	3.8345	21.9008	9.9307	3.5278	13.4585		8,490.7664	8,490.7664	2.6864		8,547.1806

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	0.0545	0.0897	0.7522	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		143.9905	143.9905	7.1700e-003		144.1410
Total	0.0545	0.0897	0.7522	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		143.9905	143.9905	7.1700e-003		144.1410

3.3 Offsite Construction – Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.6151	71.8913	51.9820	0.0857		1.9380	1.9380		1.9380	1.9380	0.0000	8,490.7664	8,490.7664	2.6864		8,547.1805
Total	2.6151	71.8913	51.9820	0.0857	8.1298	1.9380	10.0678	4.4688	1.9380	6.4068	0.0000	8,490.7664	8,490.7664	2.6864		8,547.1805

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	0.0545	0.0897	0.7522	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		143.9905	143.9905	7.1700e-003		144.1410
Total	0.0545	0.0897	0.7522	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		143.9905	143.9905	7.1700e-003		144.1410

3.4 Offsite Construction – Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.3170	69.1331	54.6540	0.0840		3.3143	3.3143		3.0492	3.0492		8,320.285 2	8,320.285 2	2.6325		8,375.566 7
Paving	1.2474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	7.5644	69.1331	54.6540	0.0840		3.3143	3.3143		3.0492	3.0492		8,320.285 2	8,320.285 2	2.6325		8,375.566 7

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	0.0605	0.0997	0.8357	2.1500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		159.9895	159.9895	7.9600e-003		160.1567
Total	0.0605	0.0997	0.8357	2.1500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		159.9895	159.9895	7.9600e-003		160.1567

3.4 Offsite Construction – Paving - 2019

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	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,320.285 2	8,320.285 2	2.6325		8,375.566 7
Paving	1.2474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.0517	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,320.285 2	8,320.285 2	2.6325		8,375.566 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	0.0000	0.0000	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	0.0605	0.0997	0.8357	2.1500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		159.9895	159.9895	7.9600e-003		160.1567
Total	0.0605	0.0997	0.8357	2.1500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		159.9895	159.9895	7.9600e-003		160.1567

3.5 Phase I – Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9983	49.5273	40.6161	0.0535		2.5112	2.5112		2.3330	2.3330		5,131.6875	5,131.6875	1.4568		5,162.2811
Total	4.9983	49.5273	40.6161	0.0535	18.0663	2.5112	20.5775	9.9307	2.3330	12.2637		5,131.6875	5,131.6875	1.4568		5,162.2811

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	5.2455	24.8458	67.2689	0.0798	2.1628	0.3466	2.5094	0.6175	0.3188	0.9362		7,420.4746	7,420.4746	0.0606		7,421.7469
Worker	3.8082	6.3074	52.3646	0.1494	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		10,694.7674	10,694.7674	0.5159		10,705.6016
Total	9.0537	31.1532	119.6335	0.2292	15.9342	0.4364	16.3706	4.2699	0.4020	4.6719		18,115.2420	18,115.2420	0.5765		18,127.3485

3.5 Phase I – Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.7258	45.8587	31.8476	0.0535		1.3765	1.3765		1.3765	1.3765	0.0000	5,131.6875	5,131.6875	1.4568		5,162.2811
Total	1.7258	45.8587	31.8476	0.0535	8.1298	1.3765	9.5063	4.4688	1.3765	5.8453	0.0000	5,131.6875	5,131.6875	1.4568		5,162.2811

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	5.2455	24.8458	67.2689	0.0798	2.1628	0.3466	2.5094	0.6175	0.3188	0.9362		7,420.4746	7,420.4746	0.0606		7,421.7469
Worker	3.8082	6.3074	52.3646	0.1494	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		10,694.7674	10,694.7674	0.5159		10,705.6016
Total	9.0537	31.1532	119.6335	0.2292	15.9342	0.4364	16.3706	4.2699	0.4020	4.6719		18,115.2420	18,115.2420	0.5765		18,127.3485

3.6 Phase I, III, IV – Grading - 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.8802	63.1684	52.7780	0.0840		3.0010	3.0010		2.7609	2.7609		8,138.4659	8,138.4659	2.6321		8,193.7410
Total	5.8802	63.1684	52.7780	0.0840	8.6733	3.0010	11.6743	3.5965	2.7609	6.3574		8,138.4659	8,138.4659	2.6321		8,193.7410

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	0.0410	0.0679	0.5639	1.6100e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		115.1626	115.1626	5.5600e-003		115.2793
Total	0.0410	0.0679	0.5639	1.6100e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		115.1626	115.1626	5.5600e-003		115.2793

3.6 Phase I, III, IV – Grading - 2020

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,138.4659	8,138.4659	2.6321		8,193.7410
Total	2.8043	70.6463	54.8708	0.0840	3.9030	2.0325	5.9355	1.6184	2.0325	3.6509	0.0000	8,138.4659	8,138.4659	2.6321		8,193.7410

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	0.0410	0.0679	0.5639	1.6100e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		115.1626	115.1626	5.5600e-003		115.2793
Total	0.0410	0.0679	0.5639	1.6100e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		115.1626	115.1626	5.5600e-003		115.2793

3.7 Phase I – Building Construction - 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	2.3534	20.7678	18.6399	0.0298		1.2238	1.2238		1.1574	1.1574		2,823.9280	2,823.9280	0.6412		2,837.3937
Total	2.3534	20.7678	18.6399	0.0298		1.2238	1.2238		1.1574	1.1574		2,823.9280	2,823.9280	0.6412		2,837.3937

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	0.7627	1.2633	10.4880	0.0299	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,142.0245	2,142.0245	0.1033		2,144.1944
Total	0.7627	1.2633	10.4880	0.0299	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,142.0245	2,142.0245	0.1033		2,144.1944

3.7 Phase I – Building Construction - 2020

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,823.9280	2,823.9280	0.6412		2,837.3937
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,823.9280	2,823.9280	0.6412		2,837.3937

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	0.7627	1.2633	10.4880	0.0299	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,142.0245	2,142.0245	0.1033		2,144.1944
Total	0.7627	1.2633	10.4880	0.0299	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,142.0245	2,142.0245	0.1033		2,144.1944

3.7 Phase I – Building Construction - 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	2.1120	18.8671	18.3552	0.0298		1.0490	1.0490		0.9919	0.9919		2,824.2298	2,824.2298	0.6319		2,837.4998
Total	2.1120	18.8671	18.3552	0.0298		1.0490	1.0490		0.9919	0.9919		2,824.2298	2,824.2298	0.6319		2,837.4998

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	0.7113	1.1673	9.6858	0.0299	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,104.9923	2,104.9923	0.0977		2,107.0439
Total	0.7113	1.1673	9.6858	0.0299	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,104.9923	2,104.9923	0.0977		2,107.0439

3.7 Phase I – Building Construction - 2021

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,824.2298	2,824.2298	0.6319		2,837.4998
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,824.2298	2,824.2298	0.6319		2,837.4998

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	0.7113	1.1673	9.6858	0.0299	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,104.9923	2,104.9923	0.0977		2,107.0439
Total	0.7113	1.1673	9.6858	0.0299	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,104.9923	2,104.9923	0.0977		2,107.0439

3.7 Phase I – Building Construction - 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	1.9037	16.9449	18.1412	0.0298		0.8874	0.8874		0.8398	0.8398		2,825.1977	2,825.1977	0.6269		2,838.3615
Total	1.9037	16.9449	18.1412	0.0298		0.8874	0.8874		0.8398	0.8398		2,825.1977	2,825.1977	0.6269		2,838.3615

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	0.6690	1.0877	9.0161	0.0299	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,071.4418	2,071.4418	0.0930		2,073.3951
Total	0.6690	1.0877	9.0161	0.0299	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,071.4418	2,071.4418	0.0930		2,073.3951

3.7 Phase I – Building Construction - 2022

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,825.1977	2,825.1977	0.6269		2,838.3615
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,825.1977	2,825.1977	0.6269		2,838.3615

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	0.6690	1.0877	9.0161	0.0299	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,071.4418	2,071.4418	0.0930		2,073.3951
Total	0.6690	1.0877	9.0161	0.0299	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,071.4418	2,071.4418	0.0930		2,073.3951

3.7 Phase I – Building Construction - 2023

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	1.7578	15.6156	18.0204	0.0298		0.7675	0.7675		0.7265	0.7265		2,826.0743	2,826.0743	0.6213		2,839.1208
Total	1.7578	15.6156	18.0204	0.0298		0.7675	0.7675		0.7265	0.7265		2,826.0743	2,826.0743	0.6213		2,839.1208

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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
Total	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353

3.7 Phase I – Building Construction - 2023

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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,826.0743	2,826.0743	0.6213		2,839.1208
Total	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,826.0743	2,826.0743	0.6213		2,839.1208

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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
Total	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353

3.8 Phase I – Paving - 2023

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	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.8380	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
Total	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245

3.8 Phase I – Paving - 2023

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.7374	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
Total	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	270.9374	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017

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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
Total	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353

3.9 Phase I – Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
Total	270.8596	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017

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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
Total	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.0157	29.9342	28.8193	0.0392		1.3907	1.3907		1.2795	1.2795		3,793.9535	3,793.9535	1.2270		3,819.7214
Total	3.0157	29.9342	28.8193	0.0392	18.0663	1.3907	19.4570	9.9307	1.2795	11.2102		3,793.9535	3,793.9535	1.2270		3,819.7214

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	0.0406	0.0655	0.5408	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		131.6690	131.6690	5.7300e-003		131.7894
Total	0.0406	0.0655	0.5408	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		131.6690	131.6690	5.7300e-003		131.7894

3.10 Phase II – Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.9535	3,793.9535	1.2270		3,819.7214
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,793.9535	3,793.9535	1.2270		3,819.7214

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	0.0406	0.0655	0.5408	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		131.6690	131.6690	5.7300e-003		131.7894
Total	0.0406	0.0655	0.5408	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		131.6690	131.6690	5.7300e-003		131.7894

3.11 Phase II – Grading - 2023

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	3.5314	34.9375	34.1888	0.0618		1.5543	1.5543		1.4300	1.4300		5,985.4359	5,985.4359	1.9358		6,026.0879
Total	3.5314	34.9375	34.1888	0.0618	8.6733	1.5543	10.2276	3.5965	1.4300	5.0265		5,985.4359	5,985.4359	1.9358		6,026.0879

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	0.0451	0.0728	0.6008	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		146.2989	146.2989	6.3700e-003		146.4326
Total	0.0451	0.0728	0.6008	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		146.2989	146.2989	6.3700e-003		146.4326

3.11 Phase II – Grading - 2023

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,985.4359	5,985.4359	1.9358		6,026.0879
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,985.4359	5,985.4359	1.9358		6,026.0879

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	0.0451	0.0728	0.6008	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		146.2989	146.2989	6.3700e-003		146.4326
Total	0.0451	0.0728	0.6008	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		146.2989	146.2989	6.3700e-003		146.4326

3.12 Phase II – Building Construction - 2023

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	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191

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	4.4520	15.2368	58.2727	0.0793	2.1632	0.2779	2.4410	0.6176	0.2556	0.8732		7,380.0390	7,380.0390	0.0585		7,381.2664
Worker	3.1409	5.0708	41.8478	0.1492	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,189.7178	10,189.7178	0.4436		10,199.0330
Total	7.5930	20.3076	100.1205	0.2284	15.9346	0.3666	16.3012	4.2700	0.3380	4.6080		17,569.7568	17,569.7568	0.5020		17,580.2994

3.12 Phase II – Building Construction - 2023

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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
Total	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191

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	4.4520	15.2368	58.2727	0.0793	2.1632	0.2779	2.4410	0.6176	0.2556	0.8732		7,380.0390	7,380.0390	0.0585		7,381.2664
Worker	3.1409	5.0708	41.8478	0.1492	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,189.7178	10,189.7178	0.4436		10,199.0330
Total	7.5930	20.3076	100.1205	0.2284	15.9346	0.3666	16.3012	4.2700	0.3380	4.6080		17,569.7568	17,569.7568	0.5020		17,580.2994

3.13 Phase II – Paving - 2023

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	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.8380	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
Total	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245

3.13 Phase II – Paving - 2023

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	3.8252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	4.7374	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884

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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
Total	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	744.7424	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017

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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
Total	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353

3.14 Phase II – Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
Total	744.6647	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017

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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
Total	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353

3.14 Phase II – Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	744.7315	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809

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	0.5940	0.9533	7.8679	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,013.3374	2,013.3374	0.0852		2,015.1274
Total	0.5940	0.9533	7.8679	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,013.3374	2,013.3374	0.0852		2,015.1274

3.14 Phase II – Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.7809
Total	744.6647	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.7809

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	0.5940	0.9533	7.8679	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,013.3374	2,013.3374	0.0852		2,015.1274
Total	0.5940	0.9533	7.8679	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,013.3374	2,013.3374	0.0852		2,015.1274

3.15 Phase III – Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.8238	27.5450	27.6020	0.0392		1.2498	1.2498		1.1498	1.1498		3,794.3149	3,794.3149	1.2272		3,820.0852
Total	2.8238	27.5450	27.6020	0.0392	18.0663	1.2498	19.3161	9.9307	1.1498	11.0805		3,794.3149	3,794.3149	1.2272		3,820.0852

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	0.0383	0.0615	0.5076	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		129.8927	129.8927	5.5000e-003		130.0082
Total	0.0383	0.0615	0.5076	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		129.8927	129.8927	5.5000e-003		130.0082

3.15 Phase III – Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,794.3149	3,794.3149	1.2272		3,820.0852
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,794.3149	3,794.3149	1.2272		3,820.0852

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	0.0383	0.0615	0.5076	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		129.8927	129.8927	5.5000e-003		130.0082
Total	0.0383	0.0615	0.5076	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		129.8927	129.8927	5.5000e-003		130.0082

3.16 Phase III – Grading - 2024

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	3.3599	32.1927	33.4441	0.0618		1.4234	1.4234		1.3096	1.3096		5,984.025 2	5,984.025 2	1.9354		6,024.667 7
Total	3.3599	32.1927	33.4441	0.0618	8.6733	1.4234	10.0968	3.5965	1.3096	4.9061		5,984.025 2	5,984.025 2	1.9354		6,024.667 7

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	0.0426	0.0683	0.5640	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		144.3253	144.3253	6.1100e-003		144.4536
Total	0.0426	0.0683	0.5640	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		144.3253	144.3253	6.1100e-003		144.4536

3.16 Phase III – Grading - 2024

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,984.025 2	5,984.025 2	1.9354		6,024.667 7
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,984.025 2	5,984.025 2	1.9354		6,024.667 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	0.0000	0.0000	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	0.0426	0.0683	0.5640	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		144.3253	144.3253	6.1100e-003		144.4536
Total	0.0426	0.0683	0.5640	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		144.3253	144.3253	6.1100e-003		144.4536

3.17 Phase III – Building Construction - 2024

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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

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	4.4478	15.0748	57.1198	0.0792	2.1632	0.2791	2.4423	0.6176	0.2568	0.8744		7,380.3589	7,380.3589	0.0587		7,381.5912
Worker	2.9658	4.7595	39.2830	0.1491	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,052.2546	10,052.2546	0.4256		10,061.1915
Total	7.4136	19.8342	96.4028	0.2284	15.9345	0.3678	16.3024	4.2700	0.3391	4.6091		17,432.6135	17,432.6135	0.4843		17,442.7826

3.17 Phase III – Building Construction - 2024

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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

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	4.4478	15.0748	57.1198	0.0792	2.1632	0.2791	2.4423	0.6176	0.2568	0.8744		7,380.3589	7,380.3589	0.0587		7,381.5912
Worker	2.9658	4.7595	39.2830	0.1491	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,052.2546	10,052.2546	0.4256		10,061.1915
Total	7.4136	19.8342	96.4028	0.2284	15.9345	0.3678	16.3024	4.2700	0.3391	4.6091		17,432.6135	17,432.6135	0.4843		17,442.7826

3.17 Phase III – Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3343	14.9316	56.2838	0.0792	2.1632	0.2801	2.4434	0.6176	0.2577	0.8754		7,380.8585	7,380.8585	0.0589		7,382.0948
Worker	2.8243	4.5019	37.2437	0.1491	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		9,931.1503	9,931.1503	0.4107		9,939.7748
Total	7.1587	19.4335	93.5275	0.2283	15.9346	0.3692	16.3039	4.2701	0.3404	4.6104		17,312.0088	17,312.0088	0.4696		17,321.8696

3.17 Phase III – Building Construction - 2025

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3343	14.9316	56.2838	0.0792	2.1632	0.2801	2.4434	0.6176	0.2577	0.8754		7,380.8585	7,380.8585	0.0589		7,382.0948
Worker	2.8243	4.5019	37.2437	0.1491	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		9,931.1503	9,931.1503	0.4107		9,939.7748
Total	7.1587	19.4335	93.5275	0.2283	15.9346	0.3692	16.3039	4.2701	0.3404	4.6104		17,312.0088	17,312.0088	0.4696		17,321.8696

3.18 Phase III – Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	744.7216	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

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	0.5657	0.9017	7.4594	0.0299	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		1,989.0818	1,989.0818	0.0823		1,990.8092
Total	0.5657	0.9017	7.4594	0.0299	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		1,989.0818	1,989.0818	0.0823		1,990.8092

3.18 Phase III – Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
Total	744.6647	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705

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	0.5657	0.9017	7.4594	0.0299	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		1,989.0818	1,989.0818	0.0823		1,990.8092
Total	0.5657	0.9017	7.4594	0.0299	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		1,989.0818	1,989.0818	0.0823		1,990.8092

3.19 Phase III – Paving - 2025

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	2.8689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.7662	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0304	0.0485	0.4010	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		106.9399	106.9399	4.4200e-003		107.0328
Total	0.0304	0.0485	0.4010	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		106.9399	106.9399	4.4200e-003		107.0328

3.19 Phase III – Paving - 2025

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	2.8689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.7811	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0304	0.0485	0.4010	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		106.9399	106.9399	4.4200e-003		107.0328
Total	0.0304	0.0485	0.4010	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		106.9399	106.9399	4.4200e-003		107.0328

3.20 Phases IV & V – Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.840 3	3,793.840 3	1.2270		3,819.607 4
Total	2.5083	23.5257	24.8879	0.0392	18.0663	1.0293	19.0956	9.9307	0.9470	10.8776		3,793.840 3	3,793.840 3	1.2270		3,819.607 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	0.0000	0.0000	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	0.0365	0.0582	0.4813	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		128.3279	128.3279	5.3100e-003		128.4393
Total	0.0365	0.0582	0.4813	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		128.3279	128.3279	5.3100e-003		128.4393

3.20 Phases IV & V – Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074

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	0.0365	0.0582	0.4813	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		128.3279	128.3279	5.3100e-003		128.4393
Total	0.0365	0.0582	0.4813	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		128.3279	128.3279	5.3100e-003		128.4393

3.21 Phases IV & V – Grading - 2025

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	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0406	0.0646	0.5347	2.1400e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		142.5865	142.5865	5.9000e-003		142.7103
Total	0.0406	0.0646	0.5347	2.1400e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		142.5865	142.5865	5.9000e-003		142.7103

3.21 Phases IV & V – Grading - 2025

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0406	0.0646	0.5347	2.1400e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		142.5865	142.5865	5.9000e-003		142.7103
Total	0.0406	0.0646	0.5347	2.1400e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		142.5865	142.5865	5.9000e-003		142.7103

3.21 Phases IV & V – Grading - 2026

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	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0388	0.0615	0.5100	2.1400e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		141.0804	141.0804	5.7100e-003		141.2003
Total	0.0388	0.0615	0.5100	2.1400e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		141.0804	141.0804	5.7100e-003		141.2003

3.21 Phases IV & V – Grading - 2026

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0388	0.0615	0.5100	2.1400e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		141.0804	141.0804	5.7100e-003		141.2003
Total	0.0388	0.0615	0.5100	2.1400e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		141.0804	141.0804	5.7100e-003		141.2003

3.22 Phases IV & V – Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3708	14.7439	55.2786	0.0792	2.1634	0.2785	2.4419	0.6177	0.2563	0.8739		7,381.7699	7,381.7699	0.0587		7,383.0026
Worker	2.7001	4.2840	35.5218	0.1491	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		9,826.2473	9,826.2473	0.3979		9,834.6035
Total	7.0709	19.0278	90.8003	0.2283	15.9348	0.3684	16.3031	4.2701	0.3396	4.6097		17,208.0172	17,208.0172	0.4566		17,217.6060

3.22 Phases IV & V – Building Construction - 2026

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.3708	14.7439	55.2786	0.0792	2.1634	0.2785	2.4419	0.6177	0.2563	0.8739		7,381.7699	7,381.7699	0.0587		7,383.0026
Worker	2.7001	4.2840	35.5218	0.1491	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		9,826.2473	9,826.2473	0.3979		9,834.6035
Total	7.0709	19.0278	90.8003	0.2283	15.9348	0.3684	16.3031	4.2701	0.3396	4.6097		17,208.0172	17,208.0172	0.4566		17,217.6060

3.22 Phases IV & V – Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.0589	14.5768	51.6618	0.0792	2.1636	0.2789	2.4425	0.6178	0.2566	0.8743		7,382.3855	7,382.3855	0.0588		7,383.6203
Worker	2.5865	4.0874	33.9826	0.1491	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		9,734.9224	9,734.9224	0.3865		9,743.0393
Total	6.6454	18.6642	85.6444	0.2282	15.9350	0.3693	16.3043	4.2702	0.3405	4.6107		17,117.3079	17,117.3079	0.4453		17,126.6596

3.22 Phases IV & V – Building Construction - 2027

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	4.0589	14.5768	51.6618	0.0792	2.1636	0.2789	2.4425	0.6178	0.2566	0.8743		7,382.3855	7,382.3855	0.0588		7,383.6203
Worker	2.5865	4.0874	33.9826	0.1491	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		9,734.9224	9,734.9224	0.3865		9,743.0393
Total	6.6454	18.6642	85.6444	0.2282	15.9350	0.3693	16.3043	4.2702	0.3405	4.6107		17,117.3079	17,117.3079	0.4453		17,126.6596

3.22 Phases IV & V – Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.9301	14.4292	48.1410	0.0791	2.1638	0.2786	2.4424	0.6178	0.2563	0.8742		7,383.0815	7,383.0815	0.0588		7,384.3168
Worker	2.4836	3.9081	32.6253	0.1490	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		9,656.2005	9,656.2005	0.3763		9,664.1018
Total	6.4138	18.3373	80.7663	0.2281	15.9352	0.3696	16.3048	4.2703	0.3408	4.6111		17,039.2820	17,039.2820	0.4351		17,048.4186

3.22 Phases IV & V – Building Construction - 2028

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.9301	14.4292	48.1410	0.0791	2.1638	0.2786	2.4424	0.6178	0.2563	0.8742		7,383.0815	7,383.0815	0.0588		7,384.3168
Worker	2.4836	3.9081	32.6253	0.1490	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		9,656.2005	9,656.2005	0.3763		9,664.1018
Total	6.4138	18.3373	80.7663	0.2281	15.9352	0.3696	16.3048	4.2703	0.3408	4.6111		17,039.2820	17,039.2820	0.4351		17,048.4186

3.23 Phases IV & V – Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	425.6284	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

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	0.4974	0.7828	6.5344	0.0299	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		1,934.0129	1,934.0129	0.0754		1,935.5954
Total	0.4974	0.7828	6.5344	0.0299	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		1,934.0129	1,934.0129	0.0754		1,935.5954

3.23 Phases IV & V – Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
Total	425.5715	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705

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	0.4974	0.7828	6.5344	0.0299	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		1,934.0129	1,934.0129	0.0754		1,935.5954
Total	0.4974	0.7828	6.5344	0.0299	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		1,934.0129	1,934.0129	0.0754		1,935.5954

3.24 Phases IV & V – Paving - 2028

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8099	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0267	0.0421	0.3513	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.9792	103.9792	4.0500e-003		104.0643
Total	0.0267	0.0421	0.3513	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.9792	103.9792	4.0500e-003		104.0643

3.24 Phases IV & V – Paving - 2028

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8248	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0267	0.0421	0.3513	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.9792	103.9792	4.0500e-003		104.0643
Total	0.0267	0.0421	0.3513	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.9792	103.9792	4.0500e-003		104.0643

3.24 Phases IV & V – Paving - 2029

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8099	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
Total	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296

3.24 Phases IV & V – Paving - 2029

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	1.9126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.8248	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
Total	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296

3.25 Phase VI – Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.8403	3,793.8403	1.2270		3,819.6074
Total	2.5083	23.5257	24.8879	0.0392	18.0663	1.0293	19.0956	9.9307	0.9470	10.8776		3,793.8403	3,793.8403	1.2270		3,819.6074

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	0.0308	0.0483	0.4045	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		123.8962	123.8962	4.7300e-003		123.9956
Total	0.0308	0.0483	0.4045	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		123.8962	123.8962	4.7300e-003		123.9956

3.25 Phase VI – Site Preparation - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.840 3	3,793.840 3	1.2270		3,819.607 4
Total	1.2300	34.4240	23.4003	0.0392	8.1298	0.9611	9.0909	4.4688	0.9611	5.4299	0.0000	3,793.840 3	3,793.840 3	1.2270		3,819.607 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	0.0000	0.0000	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	0.0308	0.0483	0.4045	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		123.8962	123.8962	4.7300e-003		123.9956
Total	0.0308	0.0483	0.4045	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		123.8962	123.8962	4.7300e-003		123.9956

3.26 Phase VI – Grading - 2029

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	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
Total	3.0022	27.2606	31.3515	0.0618	8.6733	1.1867	9.8600	3.5965	1.0918	4.6883		5,982.3526	5,982.3526	1.9348		6,022.9837

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	0.0342	0.0536	0.4494	2.1400e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		137.6624	137.6624	5.2600e-003		137.7729
Total	0.0342	0.0536	0.4494	2.1400e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		137.6624	137.6624	5.2600e-003		137.7729

3.26 Phase VI – Grading - 2029

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000				0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348			6,022.9837
Total	1.8922	50.9465	37.9432	0.0618	3.9030	1.3783	5.2813	1.6184	1.3783	2.9967	0.0000	5,982.3526	5,982.3526	1.9348			6,022.9837

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	0.0342	0.0536	0.4494	2.1400e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		137.6624	137.6624	5.2600e-003			137.7729
Total	0.0342	0.0536	0.4494	2.1400e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		137.6624	137.6624	5.2600e-003			137.7729

3.27 Phase VI – Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.8923	14.3794	47.9703	0.0791	2.1640	0.2787	2.4427	0.6179	0.2564	0.8743		7,384.2024	7,384.2024	0.0589		7,385.4388
Worker	2.3813	3.7354	31.3016	0.1490	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		9,588.1882	9,588.1882	0.3662		9,595.8790
Total	6.2735	18.1148	79.2719	0.2281	15.9353	0.3701	16.3054	4.2704	0.3412	4.6116		16,972.3906	16,972.3906	0.4251		16,981.3178

3.27 Phase VI – Building Construction - 2029

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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

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	3.8923	14.3794	47.9703	0.0791	2.1640	0.2787	2.4427	0.6179	0.2564	0.8743		7,384.2024	7,384.2024	0.0589		7,385.4388
Worker	2.3813	3.7354	31.3016	0.1490	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		9,588.1882	9,588.1882	0.3662		9,595.8790
Total	6.2735	18.1148	79.2719	0.2281	15.9353	0.3701	16.3054	4.2704	0.3412	4.6116		16,972.3906	16,972.3906	0.4251		16,981.3178

3.28 Phase VI – Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	827.4495	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

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	0.4769	0.7482	6.2693	0.0299	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		1,920.3909	1,920.3909	0.0734		1,921.9313
Total	0.4769	0.7482	6.2693	0.0299	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		1,920.3909	1,920.3909	0.0734		1,921.9313

3.28 Phase VI – Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
Total	827.3925	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705

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	0.4769	0.7482	6.2693	0.0299	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		1,920.3909	1,920.3909	0.0734		1,921.9313
Total	0.4769	0.7482	6.2693	0.0299	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		1,920.3909	1,920.3909	0.0734		1,921.9313

3.29 Phase VI – Paving - 2029

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	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	11.4756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.3729	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
Total	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296

3.29 Phase VI – Paving - 2029

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	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	11.4756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	12.3878	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656

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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
Total	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	16.5372	27.8803	137.0716	0.4242	30.4535	0.5377	30.9912	8.1436	0.4963	8.6398		30,933.00 40	30,933.00 40	0.8756		30,951.39 11
Unmitigated	17.4010	32.0823	152.7690	0.5073	36.6866	0.6320	37.3186	9.8103	0.5833	10.3937		37,006.04 91	37,006.04 91	1.0332		37,027.74 62

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	823.75	895.00	758.75	2,095,877	1,739,787
City Park	25.44	25.44	25.44	51,701	42,917
Condo/Townhouse	1,219.15	1,324.60	1,122.95	3,101,898	2,574,885
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	644.10	749.55	378.60	897,003	744,602
Single Family Housing	1,004.85	1,058.40	920.85	2,542,828	2,110,801
Single Family Housing	2,918.85	3,074.40	2,674.85	7,386,310	6,131,374
Total	6,636.14	7,127.39	5,881.44	16,075,617	13,344,365

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.457871	0.042296	0.214250	0.146969	0.067525	0.009931	0.017760	0.024978	0.002423	0.001427	0.009102	0.000742	0.004726

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4472	3.8217	1.6294	0.0244		0.3090	0.3090		0.3090	0.3090		4,878.2274	4,878.2274	0.0935	0.0894	4,907.9155
NaturalGas Unmitigated	0.5650	4.8286	2.0589	0.0308		0.3904	0.3904		0.3904	0.3904		6,163.4549	6,163.4549	0.1181	0.1130	6,200.9647

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					
Apartments Mid Rise	2783.43	0.0300	0.2565	0.1092	1.6400e-003		0.0207	0.0207		0.0207	0.0207		327.4625	327.4625	6.2800e-003	6.0000e-003	329.4554
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	9870.69	0.1065	0.9097	0.3871	5.8100e-003		0.0736	0.0736		0.0736	0.0736		1,161.2580	1,161.2580	0.0223	0.0213	1,168.3252
Other Asphalt Surfaces	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
Regional Shopping Center	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Single Family Housing	10149.9	0.1095	0.9354	0.3980	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.1050	1,194.1050	0.0229	0.0219	1,201.3721
Single Family Housing	29483	0.3180	2.7171	1.1562	0.0173		0.2197	0.2197		0.2197	0.2197		3,468.5908	3,468.5908	0.0665	0.0636	3,489.7000
Total		0.5650	4.8286	2.0589	0.0308		0.3904	0.3904		0.3904	0.3904		6,163.4549	6,163.4549	0.1181	0.1130	6,200.9647

5.2 Energy by Land Use - NaturalGas

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	7.77695	0.0839	0.7167	0.3050	4.5700e-003		0.0580	0.0580		0.0580	0.0580		914.9350	914.9350	0.0175	0.0168	920.5032
Other Asphalt Surfaces	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
Regional Shopping Center	0.0767466	8.3000e-004	7.5200e-003	6.3200e-003	5.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		9.0290	9.0290	1.7000e-004	1.7000e-004	9.0840
Single Family Housing	23.34	0.2517	2.1509	0.9153	0.0137		0.1739	0.1739		0.1739	0.1739		2,745.8784	2,745.8784	0.0526	0.0503	2,762.5893
Single Family Housing	8.03507	0.0867	0.7405	0.3151	4.7300e-003		0.0599	0.0599		0.0599	0.0599		945.3024	945.3024	0.0181	0.0173	951.0554
Apartments Mid Rise	2.2362	0.0241	0.2061	0.0877	1.3200e-003		0.0167	0.0167		0.0167	0.0167		263.0826	263.0826	5.0400e-003	4.8200e-003	264.6837
Total		0.4472	3.8217	1.6294	0.0244		0.3090	0.3090		0.3090	0.3090		4,878.2274	4,878.2274	0.0935	0.0894	4,907.9155

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	59.8618	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875
Unmitigated	64.2250	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875

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	4.0797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	58.3575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7877	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3275	107.3275	0.1029		109.4875
Total	64.2250	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.0797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	53.9943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7877	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3275	107.3275	0.1029		109.4875
Total	59.8618	0.6845	59.4156	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3275	107.3275	0.1029	0.0000	109.4875

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

APPENDIX H - Attachment A

Construction Fuel Consumption Calculations

Phase	Equipment	Quantity	Hours Each Day	Total Number of Days Worked	Horse Power	Load Factor	Fuel Consumption Rate (Gallons per Hour)	Duration (Total Hours)	Total Fuel Consumption (Gallons)
Offsite Construction									
Site Preparation	Excavators	3	8	60	162	0.38	3.078	1440	4432.32
	Concrete/Industrial Saws	1	8	60	81	0.73	2.9565	480	1419.12
	Rubber Tired Dozers	2	8	60	255	0.4	5.1	960	4896
	Tractors/Loaders/B ackhoes	4	8	60	97	0.37	1.7945	1920	3445.44
Grading	Tractors/Loaders/B ackhoes	4	8	155	97	0.37	1.7945	4960	8900.72
	Rubber Tired Dozers	3	8	155	255	0.4	5.1	3720	18972
	Excavators	2	8	155	162	0.38	3.078	2480	7633.44
	Graders	1	8	155	174	0.41	3.567	1240	4423.08
	Scrapers	2	8	155	361	0.48	8.664	2480	21486.72
Paving	Excavators	2	8	46	162	0.38	3.078	736	2265.408
	Rubber Tired Dozers	1	8	46	255	0.4	5.1	368	1876.8
	Graders	1	8	46	174	0.41	3.567	368	1312.656
	Tractors/Loaders/B ackhoes	2	8	46	97	0.37	1.7945	736	1320.752
	Scrapers	2	8	46	361	0.48	8.664	736	6376.704
	Pavers	2	8	46	125	0.42	2.625	736	1932
	Paving Equipment	2	8	46	130	0.36	2.34	736	1722.24
	Rollers	2	8	46	80	0.38	1.52	736	1118.72
Notes:	Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E								

Phase	Equipment	Quantity	Hours Each Day	Total Number of Days Worked	Horse Power	Load Factor	Fuel Consumption Rate (Gallons per Hour)	Duration (Total Hours)	Total Fuel Consumption (Gallons)
Phase I									
Site Preparation	Cranes	1	7	15	226	0.29	3.277	105	344.085
	Forklifts	3	8	15	89	0.2	0.89	360	320.4
	Generator Sets	1	8	15	84	0.74	3.108	120	372.96
	Tractors/Loaders/B ackhoes	3	7	15	97	0.37	1.7945	315	565.2675
	Welders	1	8	15	46	0.45	1.035	120	124.2
	Rubber Tired Dozers	3	8	15	255	0.4	5.1	360	1836
Grading	Pavers	2	8	125	125	0.42	2.625	2000	5250
	Rollers	2	8	125	80	0.38	1.52	2000	3040
	Paving Equipment	2	8	125	130	0.36	2.34	2000	4680
	Excavators	2	8	125	162	0.38	3.078	2000	6156
	Graders	1	8	125	174	0.41	3.567	1000	3567
	Rubber Tired Dozers	1	8	125	255	0.4	5.1	1000	5100
	Scrapers	2	8	125	361	0.48	8.664	2000	17328
	Tractors/Loaders/B ackhoes	2	8	125	97	0.37	1.7945	2000	3589
Paving	Pavers	2	8	15	125	0.42	2.625	240	630
	Paving Equipment	2	8	15	130	0.36	2.34	240	561.6
	Rollers	2	8	15	80	0.38	1.52	240	364.8
Building Construction	Air Compressors	1	6	665	78	0.48	1.872	3990	7469.28
	Cranes	1	7	665	226	0.29	3.277	4655	15254.435
	Forklifts	3	8	665	89	0.2	0.89	15960	14204.4
	Generator Sets	1	8	665	84	0.74	3.108	5320	16534.56
	Tractors/Loaders/B ackhoes	3	7	665	97	0.37	1.7945	13965	25060.1925
	Welders	1	8	665	46	0.45	1.035	5320	5506.2
Architectural Coating	Air Compressors	1	6	55	78	0.48	1.872	330	617.76
Notes:	Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E								

Phase	Equipment	Quantity	Hours Each Day	Total Number of Days Worked	Horse Power	Load Factor	Fuel Consumption Rate (Gallons per Hour)	Duration (Total Hours)	Total Fuel Consumption (Gallons)
Phase II									
Site Preparation	Rubber Tired Dozers	3	8	15	255	0.4	5.1	360	1836
	Tractors/Loaders/B ackhoes	4	8	15	97	0.37	1.7945	480	861.36
Grading	Excavators	2	8	30	162	0.38	3.078	480	1477.44
	Graders	1	8	30	174	0.41	3.567	240	856.08
	Rubber Tired Dozers	1	8	30	255	0.4	5.1	240	1224
	Scrapers	2	8	30	361	0.48	8.664	480	4158.72
	Tractors/Loaders/B ackhoes	2	8	30	97	0.37	1.7945	480	861.36
Paving	Pavers	2	8	15	125	0.42	2.625	240	630
	Paving Equipment	2	8	15	130	0.36	2.34	240	561.6
	Rollers	2	8	15	80	0.38	1.52	240	364.8
Building Construction	Cranes	1	7	100	226	0.29	3.277	700	2293.9
	Forklifts	3	8	100	89	0.2	0.89	2400	2136
	Generator Sets	1	8	100	84	0.74	3.108	800	2486.4
	Tractors/Loaders/B ackhoes	3	7	100	97	0.37	1.7945	2100	3768.45
	Welders	1	8	100	46	0.45	1.035	800	828
Architectural Coating	Air Compressors	1	6	20	78	0.48	1.872	120	224.64
Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E									

Phase	Equipment	Quantity	Hours Each Day	Total Number of Days Worked	Horse Power	Load Factor	Fuel Consumption Rate (Gallons per Hour)	Duration (Total Hours)	Total Fuel Consumption (Gallons)
Phase III									
Site Preparation	Rubber Tired Dozers	3	8	20	255	0.4	5.1	480	2448
	Tractors/Loaders/B ackhoes	4	8	20	97	0.37	1.7945	640	1148.48
Grading	Pavers	2	8	35	125	0.42	2.625	560	1470
	Rollers	2	8	35	80	0.38	1.52	560	851.2
	Paving Equipment	2	8	35	130	0.36	2.34	560	1310.4
	Excavators	2	8	35	162	0.38	3.078	560	1723.68
	Graders	1	8	35	174	0.41	3.567	280	998.76
	Rubber Tired Dozers	1	8	35	255	0.4	5.1	280	1428
	Scrapers	2	8	35	361	0.48	8.664	560	4851.84
	Tractors/Loaders/B ackhoes	2	8	35	97	0.37	1.7945	560	1004.92
	Paving	Pavers	2	8	20	125	0.42	2.625	320
Paving Equipment		2	8	20	130	0.36	2.34	320	748.8
Rollers		2	8	20	80	0.38	1.52	320	486.4
Building Construction	Cranes	1	7	340	226	0.29	3.277	2380	7799.26
	Forklifts	3	8	340	89	0.2	0.89	8160	7262.4
	Generator Sets	1	8	340	84	0.74	3.108	2720	8453.76
	Tractors/Loaders/B ackhoes	3	7	340	97	0.37	1.7945	7140	12812.73
	Welders	1	8	340	46	0.45	1.035	2720	2815.2
Architectural Coating	Air Compressors	1	6	20	78	0.48	1.872	120	224.64
Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase									

Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E

Phase	Equipment	Quantity	Hours Each Day	Total Number of Days Worked	Horse Power	Load Factor	Fuel Consumption Rate (Gallons per Hour)	Duration (Total Hours)	Total Fuel Consumption (Gallons)
Phase IV and V									
Site Preparation	Rubber Tired Dozers	3	8	40	255	0.4	5.1	960	4896
	Tractors/Loaders/B ackhoes	4	8	40	97	0.37	1.7945	1280	2296.96
Grading	Excavators	2	8	135	162	0.38	3.078	2160	6648.48
	Graders	1	8	135	174	0.41	3.567	1080	3852.36
	Rubber Tired Dozers	1	8	135	255	0.4	5.1	1080	5508
	Scrapers	2	8	135	361	0.48	8.664	2160	18714.24
	Tractors/Loaders/B ackhoes	2	8	135	97	0.37	1.7945	2160	3876.12
	Pavers	2	8	135	125	0.42	2.625	2160	5670
	Rollers	2	8	135	80	0.38	1.52	2160	3283.2
	Paving Equipment	2	8	135	130	0.36	2.34	2160	5054.4
Paving	Pavers	2	8	30	125	0.42	2.625	480	1260
	Paving Equipment	2	8	30	130	0.36	2.34	480	1123.2
	Rollers	2	8	30	80	0.38	1.52	480	729.6
Building Construction	Cranes	1	7	625	226	0.29	3.277	4375	14336.875
	Forklifts	3	8	625	89	0.2	0.89	15000	13350
	Generator Sets	1	8	625	84	0.74	3.108	5000	15540
	Tractors/Loaders/B ackhoes	3	7	625	97	0.37	1.7945	13125	23552.8125

	Welders	1	8	625	46	0.45	1.035	5000	5175
Architectural Coating	Air Compressors	1	6	35	78	0.48	1.872	210	393.12
Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E									

Phase	Equipment	Quantity	Hours Each Day	Total Number of Days Worked	Horse Power	Load Factor	Fuel Consumption Rate (Gallons per Hour)	Duration (Total Hours)	Total Fuel Consumption (Gallons)
Phase VI									
Site Preparation	Rubber Tired Dozers	3	8	5	255	0.4	5.1	120	612
	Tractors/Loaders/Backhoes	4	8	5	97	0.37	1.7945	160	287.12
Grading	Excavators	2	8	15	162	0.38	3.078	240	738.72
	Graders	1	8	15	174	0.41	3.567	120	428.04
	Rubber Tired Dozers	1	8	15	255	0.4	5.1	120	612
	Scrapers	2	8	15	361	0.48	8.664	240	2079.36
	Tractors/Loaders/Backhoes	2	8	15	97	0.37	1.7945	240	430.68
Paving	Pavers	2	8	5	125	0.42	2.625	80	210
	Paving Equipment	2	8	5	130	0.36	2.34	80	187.2
	Rollers	2	8	5	80	0.38	1.52	80	121.6
Building Construction	Cranes	1	7	150	226	0.29	3.277	1050	3440.85
	Forklifts	3	8	150	89	0.2	0.89	3600	3204
	Generator Sets	1	8	150	84	0.74	3.108	1200	3729.6

	Tractors/Loaders/B ackhoes	3	7	150	97	0.37	1.7945	3150	5652.675
	Welders	1	8	150	46	0.45	1.035	1200	1242
Architectural Coating	Air Compressors	1	6	18	78	0.48	1.872	108	202.176
Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E									

Total Fuel Consumption By Phase	
Phase	Fuel Consumption (Gallons)
Offsite Construction	93534.12
Phase I	138476.14
Phase II	24568.75
Phase III	58678.47
Phase IV and V	135260.3675
Phase VI	23178.021
Total	473695.8685