

November 29, 2021

Ms. Tina Andersen
T&B Planning
3200 El Camino Real, Suite 100
Irvine, CA92602

SUBJECT: CEDAR SUITES AND WILLOW CREEK HOUSING AND GLAMPING FACILITY VEHICLE MILES TRAVELED (VMT) SCREENING ANALYSIS

Dear Ms. Tina Andersen:

The following Vehicle Miles Traveled (VMT) Screening Analysis has been prepared for the proposed Cedar Suites and Willow Creek Housing and Glamping Facility Project (**Project**). The Project components are located at the University of California Los Angeles Lake Arrowhead Lodge, which is located at 850 Willow Creek Road in the unincorporated community of Lake Arrowhead, in the County of San Bernardino.

PROJECT OVERVIEW

The proposed Project consists of the following components, which are unrelated but are conservatively being evaluated together:

- **Cedar Suites and Willow Creek Housing** - The existing 8,500 square foot (sf) Cedar Lodge; 2,200 sf maintenance facility; and associated surface parking located along Willow Creek Road would be demolished. Cedar Lodge is currently used for student staff housing. A new student staff housing building (referred to as Willow Creek Housing) would be constructed on the site of the existing maintenance facility and associated surface parking area and would accommodate the same number of beds as the existing Cedar Lodge (54 beds). The maintenance facility operations would be housed at the adjacent existing facilities building.

Two new guest lodges (referred to as Cedar Suites) would be constructed on the site of the existing Cedar Lodge (to be removed). The new Cedar Suites facility would result in a net increase of 12 suites. As designed, adjoining access would be provided between adjacent suites. As such, it is our understanding the Cedar Suites would operate more like 6 suites versus 12 during the peak periods. The 12 individual suites are anticipated to provide lodging to guests year-round. During the Summer peak period (i.e., Memorial Day through Labor Day) and major holidays (i.e., the week of Thanksgiving, two weeks of Christmas/New Year's and selected 3-day weekends),

the suites would be occupied as part of the ongoing Lake Arrowhead Lodge Bruin Woods program and would be available to University affiliates only. The Bruin Woods program is an all-inclusive resort experience where guests stay for one week (Saturday afternoon to Saturday morning) and seldom leave the facility, if at all. When not being used for the Bruin Woods Program, the Lake Arrowhead Lodge is available for conferences and the new Cedar Suites would also be available for the conference program. Conference attendees also rarely leave the facility, if at all. Due to the loss of bookings as a result of the COVID-19 pandemic, and to keep the UCLA Lake Arrowhead Lodge financially viable, UCLA has opened the facility to non-University affiliates (except when the facility is being used for the Bruin Woods program). It is estimated that 75% of the bookings will be associated with conferences, and the remaining 25% of the booking will be for individual travelers. The proposed Cedar Suites would operate the same way.

- **Glamping Facility.** This component of the Project would involve the installation of luxury camping ("Glamping") accommodations in the wooded areas at the UCLA Lake Arrowhead Lodge. The permanent glamping structures would consist of 10 prefabricated cabins, two shared restroom/bathing facilities, site utilities, and paved pathways/lighting for accessibility and egress. Similar to the Cedar Suites above, the Glamping Facility would be available as part of the Bruin Woods program, and during conferences. Additionally, the cabins would be available for use by non-University affiliates (except when the facility is being used for the Bruin Woods program). It is estimated that 10% of the booking would be associated with conferences, and the remaining 90% of the booking would be for individual travelers.

Notwithstanding the operational characteristics of the Bruin Woods program and conferences where guests seldom, if ever, leave the UCLA Lake Arrowhead Lodge after arrival, to provide a conservative analysis, and because there is not sufficient data to determine the trip generation associated with use of the proposed facilities by non-University affiliates, 22 new suites have been assumed. This includes the 12 suites proposed as part of the Cedar Suites, and the 10 cabins associated with the Glamping facility.

BACKGROUND

Changes to California Environmental Quality Act (CEQA) Guidelines were adopted in December 2018, which requires all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the new measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. To aid in this transition, the Governor's Office of Planning and Research (OPR) released a Technical Advisory on Evaluating Transportation Impacts in CEQA (December of 2018) (**Technical Advisory**). (1)

For projects located within County of San Bernardino, the San Bernardino County Transportation Authority (SBCTA) developed a VMT Screening Tool (**Screening Tool**). The Screening Tool allows users to

input an assessor's parcel number (APN) to determine if a project's location meets one or more of the screening thresholds for land use projects.

Additionally, lead agencies such as Riverside County¹ and others within the South Coast Air Basin will accept additional screening criteria of small projects that generate less than 3,000 MTCO₂e per year, consistent with the South Coast Air Quality Management District (SCAQMD) interim thresholds (Interim Thresholds) for GHG emissions. This GHG emissions threshold is accepted by most lead agencies because it has been recommended by SCAQMD and SCAQMD is the expert agency and regional authority for air quality in the South Coast Air Basin. The Interim Thresholds document provides substantial evidence that the thresholds are consistent with the policy goals and GHG reduction targets set by the State. Specifically, the thresholds were set at levels that capture 90 percent of the GHG emissions from the above described uses, consistent with the Executive Order S-3-05 target of reducing GHGs to 80 percent below 1990 levels by 2050. Further, the threshold is reasonable because it will require medium and large size projects to reduce project GHGs, while allowing smaller projects, which are not the focus of future GHG reductions, to proceed. It should be noted that due to the global scale of the effects of GHG emissions, the thresholds above function as both the project-level threshold and the cumulative impact threshold of significance for GHG analysis. If a project generates GHG emissions below the threshold, it is acceptable to conclude that the project's GHG contribution is not "cumulatively considerable" and is therefore "less than significant" under CEQA. If a project generates GHG emissions above the threshold, the analysis must identify mitigation measures to reduce GHG emissions. Consistent with other lead agencies within the South Coast Air Basin, UCLA is applying the small project screening threshold to the Project.

PROJECT SCREENING

The Technical Advisory provides details on appropriate screening criteria that can be used to identify when a proposed land use project is anticipated to result in a less than significant VMT impact without conducting a more detailed analysis. Additionally, a small project threshold based on the SCAQMD screening threshold for GHG emissions is used for projects in the South Coast Air Basin. Screening thresholds are broken into the following five steps:

- Project Type Screening
- Projects generating less than 110 daily vehicle trips
- Transit Priority Area (TPA) Screening
- Low VMT Area Screening
- Small Projects less than 3,000 MTCO₂e

¹ Riverside County Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled (December 2020); Page 19

A land use project need only to meet one of the above screening thresholds to result in a less than significant VMT impact.

PROJECT TYPE SCREENING

The Technical Advisory identifies that local serving retail projects less than 50,000 square feet may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition to local serving retail, other types of local serving uses such as day care centers, non-destination hotels, affordable housing, local parks, municipal services and other local serving uses may also be presumed to have a less than significant impact as local serving in nature and would tend to shorten vehicle trips. The Project's lodging uses serves a regional area to local points of interest.

Project Type screening criteria is not met.

PROJECTS GENERATING LESS THAN 110 DAILY VEHICLE TRIPS

The Technical Advisory also notes that projects generating fewer than 110 daily vehicle trip-ends per day would not cause a substantial increase in the total regional VMT and are therefore presumed to have less than significant impact on VMT. Trips generated by the Project's proposed land use have been estimated based on trip generation rates collected by the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition, 2021. (3) The proposed Project is anticipated to generate a total of 176 vehicle trip-ends per day, above the 110 average daily trips criteria (see Attachment A). However, as discussed above, this is a conservative estimate since the operational characteristics of the Bruin Woods program and conference program where guests seldom, if ever, leave the UCLA Lake Arrowhead Lodge after arrival.

Projects Generating Less Than 110 Daily Vehicle Trips screening criteria is not met.

TPA SCREENING

Consistent with guidance identified in the Technical Advisory, projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing "major transit stop"² or an existing stop along a "high-quality transit corridor"³) may be presumed to have a less than significant impact absent substantial evidence to the contrary. However, the presumption may not be appropriate if a project:

- Has a Floor Area Ratio (FAR) of less than 0.75;

² Pub. Resources Code, § 21064.3 ("Major transit stop" means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").

³ Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

Based on the Screening Tool results presented in Attachment B, the Project site is not located within ½ mile of an existing major transit stop, or along a high-quality transit corridor.

TPA screening criteria is not met.

LOW VMT AREA SCREENING

As noted in the Technical Advisory, “residential and office projects that locate in areas with low VMT and that incorporate similar features (density, mix of uses, and transit accessibility) will tend to exhibit similarly low VMT.” (1) . The SBCTA Screening Tool uses the sub-regional San Bernardino Transportation Analysis Model (SBTAM) to measure VMT performance within individual traffic analysis zones (TAZ’s) within the region. The Project’s physical location is input into the Screening Tool to determine project generated VMT. The parcels containing the proposed Project was selected and the Screening Tool was run for Production/Attraction (PA) Home-Based Work VMT per Worker measure of VMT.

The Technical Advisory indicate that projects with VMT per employee below the existing VMT per person/employee for the regional area (i.e., The County) are considered to have a less than significant impact. Based on the Screening Tool results (see Attachment B), the existing County baseline VMT per Worker is 17. The existing baseline Project TAZ estimated VMT per employee is 21.9. The Project is determined to not be in a low VMT generating area.

Low VMT Area screening criteria is not met.

SMALL PROJECTS LESS THAN 3,000 MTCO₂E

For this Project, UCLA will rely on the results of the Project-specific GHG analyses that use the “Tier 3” quantitative thresholds recommended in the SCAQMD’s Interim Thresholds document for commercial, residential, mixed use, and industrial development projects, as follows:

- Residential, Commercial, and Mixed Use Projects (including industrial parks, warehouses, etc.) - 3,000 MTCO₂e per year.

Based on GHG emissions calculations for the Project, the Project is estimated to generate 295.22 MTCO₂e annually, which is substantially less than the 3,000 MTCO₂e annual threshold. (See Attachment C)

Small Projects Less than 3,000 MTCO₂e screening criteria is met.

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CONCLUSION

Based on our review of applicable VMT screening thresholds, the Project meets the Small Projects Less than 3,000 MTCO₂e screening criteria. The project would therefore be assumed to result in a less than significant VMT impact; no additional VMT analysis is required.

If you have any questions, please contact me directly at 949-660-1994.

Respectfully submitted,

URBAN CROSSROADS, INC.

A handwritten signature in black ink, appearing to read 'Alexander So', with a long horizontal flourish extending to the right.

Alexander So
Senior Analyst

REFERENCES

1. **Office of Planning and Research.** *Technical Advisory on Evaluating Transportation Impacts in CEQA.* State of California : s.n., December 2018.
2. **Institute of Transportation Engineers.** *Trip Generation Manual.* 11th Edition. 2021.
3. **San Bernardino County.** *Transportation Impact Study Guidelines.* July 2019.

**ATTACHMENT A:
PROJECT TRIP GENERATION**

TABLE 1: TRIP GENERATION SUMMARY

Land Use ¹	Units	ITE LU Code	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
Trip Generation Rates:									
Hotel	Rooms	310	0.26	0.20	0.46	0.30	0.29	0.59	7.99

¹ Trip Generation Source: Institute of Transportation Engineers (ITE), [Trip Generation Manual](#), Eleventh Edition (2021).

Land Use	Quantity Units	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Trip Generation Summary:								
Hotel	22 Rooms	6	4	10	7	6	13	176

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**ATTACHMENT B:
SBCTA SCREENING TOOL**

SBCTA VMT Screening Tool Powered by Fehr & Peers User's Guide

Search: 850 Willow Creek Rd, Lake Arrow X

Show search results for 850 Willow C...

Complete #1 - 4, Then Click 'Run'

have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*

PA VMT Per Service Population

#3. Select the Baseline Year. The years available for analysis are from 2016 to 2040.*

2021

#4. Select the Threshold (% reduction from baseline year). Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*

Below County Baseline (0%)

Run

Map Layers

- Project Area VMT
- Screening Results
- Low VMT Generating TAZs
- Parcels
- Jurisdiction Boundaries
- TAZ
- Transit Priority Area

Project Area VMT (2 of 2)

Assessor Parcel Number (APN)	032903120
Traffic Analysis Zone (TAZ)	53866408
TAZ VMT	30
Jurisdiction VMT	28
% Difference	7.22%
VMT Metric	PA VMT Per Service Population
Threshold	28
Zoom to	...

ATTACHMENT C
CALEEMOD OUTPUTS

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**13980 - UCLA Lake Arrowhead
San Bernardino-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	22.00	Room	0.60	20,300.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10	Operational Year		2025	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Square footage and lot acreage based on site-specific data.

Construction Phase - Construction schedule assumes demolition will occur in the first phase and site preparation in the second. Trenching, building construction, paving, and architectural coating will occur concurrently in the third phase.

Off-road Equipment -

Off-road Equipment - Bore/drill rigs and generators added per construction equipment info.

Off-road Equipment -

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment -

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment - Based on defaults.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Pump added per construction info.

Off-road Equipment - Bobcat added per construction equipment info.

Off-road Equipment - Excavator included per construction equipment info.

Trips and VMT -

On-road Fugitive Dust -

Demolition - Assumes demolition of 2,220 SF of maintenance building and and 9,790 SF Cedar Lodge

Grading - Assumes 0.3 acres (15,000 sf) will be graded.

Vehicle Trips - Assumes 184 daily trips.

Energy Use - Facility will not utilize natural gas.

Construction Off-road Equipment Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Architectural Coating -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Landscape Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	5.00	586.00
tblConstructionPhase	NumDays	100.00	326.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	10.00	44.00

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tblConstructionPhase	NumDays	10.00	89.00
tblConstructionPhase	NumDays	5.00	326.00
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	1.00	43.00
tblConstructionPhase	NumDays	1.00	86.00
tblEnergyUse	NT24NG	4.86	0.00
tblEnergyUse	T24NG	54.60	0.00
tblGrading	AcresOfGrading	32.25	0.30
tblGrading	AcresOfGrading	64.50	0.30
tblLandUse	LandUseSquareFeet	31,944.00	20,300.00
tblLandUse	LotAcreage	0.73	0.60
tblOffRoadEquipment	HorsePower	158.00	221.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2022	0.1389	1.0268	1.0332	2.1400e-003	0.1158	0.0485	0.1643	0.0582	0.0459	0.1041	0.0000	186.8290	186.8290	0.0404	6.1000e-004	188.0208
2023	0.3697	2.2765	2.6097	5.4000e-003	0.2433	0.1043	0.3476	0.1193	0.0993	0.2186	0.0000	470.4811	470.4811	0.0948	1.5200e-003	473.3029
2024	0.2834	2.0690	2.7979	5.0000e-003	0.0647	0.0958	0.1605	0.0173	0.0892	0.1065	0.0000	435.2804	435.2804	0.1114	2.2600e-003	438.7397
2025	0.0656	0.4659	0.6783	1.2200e-003	0.0158	0.0205	0.0363	4.2200e-003	0.0191	0.0234	0.0000	106.0303	106.0303	0.0272	5.3000e-004	106.8670
Maximum	0.3697	2.2765	2.7979	5.4000e-003	0.2433	0.1043	0.3476	0.1193	0.0993	0.2186	0.0000	470.4811	470.4811	0.1114	2.2600e-003	473.3029

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1389	1.0268	1.0332	2.1400e-003	0.0617	0.0485	0.1102	0.0287	0.0459	0.0747	0.0000	186.8288	186.8288	0.0404	6.1000e-004	188.0206
2023	0.3697	2.2765	2.6097	5.4000e-003	0.1338	0.1043	0.2381	0.0601	0.0993	0.1594	0.0000	470.4806	470.4806	0.0948	1.5200e-003	473.3024
2024	0.2834	2.0690	2.7979	5.0000e-003	0.0647	0.0958	0.1605	0.0173	0.0892	0.1065	0.0000	435.2799	435.2799	0.1114	2.2600e-003	438.7392
2025	0.0656	0.4659	0.6783	1.2200e-003	0.0158	0.0205	0.0363	4.2200e-003	0.0191	0.0234	0.0000	106.0302	106.0302	0.0272	5.3000e-004	106.8669
Maximum	0.3697	2.2765	2.7979	5.4000e-003	0.1338	0.1043	0.2381	0.0601	0.0993	0.1594	0.0000	470.4806	470.4806	0.1114	2.2600e-003	473.3024

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	37.22	0.00	23.09	44.53	0.00	19.58	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2022	9-30-2022	0.3013	0.3013
2	10-1-2022	12-31-2022	0.8623	0.8623
3	1-1-2023	3-31-2023	1.0917	1.0917
4	4-1-2023	6-30-2023	0.9022	0.9022
5	7-1-2023	9-30-2023	0.3251	0.3251
6	10-1-2023	12-31-2023	0.4273	0.4273
7	1-1-2024	3-31-2024	0.5838	0.5838
8	4-1-2024	6-30-2024	0.5835	0.5835

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9	7-1-2024	9-30-2024	0.5899	0.5899
10	10-1-2024	12-31-2024	0.5902	0.5902
11	1-1-2025	3-31-2025	0.5341	0.5341
		Highest	1.0917	1.0917

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	112.8669	112.8669	4.6600e-003	9.6000e-004	113.2706
Mobile	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884
Waste						0.0000	0.0000		0.0000	0.0000	2.4440	0.0000	2.4440	0.1444	0.0000	6.0549
Water						0.0000	0.0000		0.0000	0.0000	0.1771	2.5348	2.7119	0.0183	4.5000e-004	3.3035
Total	0.1657	0.1232	0.8140	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	2.6211	285.1731	287.7942	0.1773	0.0100	295.2181

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	112.8669	112.8669	4.6600e-003	9.6000e-004	113.2706
Mobile	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884
Waste						0.0000	0.0000		0.0000	0.0000	2.4440	0.0000	2.4440	0.1444	0.0000	6.0549
Water						0.0000	0.0000		0.0000	0.0000	0.1771	2.5348	2.7119	0.0183	4.5000e-004	3.3035
Total	0.1657	0.1232	0.8140	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	2.6211	285.1731	287.7942	0.1773	0.0100	295.2181

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2022	8/31/2022	5	44	
2	Site Preparation	Site Preparation	9/1/2022	10/31/2022	5	43	
3	Trenching	Trenching	11/1/2022	5/31/2023	5	152	

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4	Building Construction	Building Construction	11/1/2022	5/31/2023	5	152
5	Paving	Paving	11/1/2022	5/31/2023	5	152
6	Architectural Coating	Architectural Coating	11/1/2022	5/31/2023	5	152
7	CS Architectural Coating	Architectural Coating	1/1/2023	3/31/2025	5	586
8	CS Demolition	Demolition	5/1/2023	8/31/2023	5	89
9	CS Site Preparation	Site Preparation	9/1/2023	12/31/2023	5	86
10	CS Trenching	Trenching	1/1/2024	3/31/2025	5	326
11	CS Building Construction	Building Construction	1/1/2024	3/31/2025	5	326
12	CS Paving	Paving	1/1/2024	3/31/2025	5	326

Acres of Grading (Site Preparation Phase): 0.3

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,450; Non-Residential Outdoor: 10,150; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Excavators	1	8.00	221	0.50
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74

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Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Pumps	1	8.00	84	0.74
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
CS Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
CS Demolition	Rubber Tired Dozers	1	1.00	247	0.40
CS Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
CS Site Preparation	Graders	1	6.00	187	0.41
CS Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
CS Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Trenching	Excavators	1	8.00	158	0.38
CS Building Construction	Cranes	1	8.00	231	0.29
CS Building Construction	Forklifts	2	6.00	89	0.20
CS Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
CS Paving	Cement and Mortar Mixers	4	6.00	9	0.56
CS Paving	Pavers	1	7.00	130	0.42
CS Paving	Rollers	1	7.00	80	0.38
CS Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	10.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

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Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Demolition	4	10.00	0.00	45.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Building Construction	5	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Paving	7	18.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					1.0900e-003	0.0000	1.0900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0156	0.1411	0.1643	2.6000e-004		7.4300e-003	7.4300e-003		7.1000e-003	7.1000e-003	0.0000	22.9099	22.9099	4.2300e-003	0.0000	23.0156
Total	0.0156	0.1411	0.1643	2.6000e-004	1.0900e-003	7.4300e-003	8.5200e-003	1.7000e-004	7.1000e-003	7.2700e-003	0.0000	22.9099	22.9099	4.2300e-003	0.0000	23.0156

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3.2 Demolition - 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	2.0000e-005	7.2000e-004	1.8000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2906	0.2906	1.0000e-005	5.0000e-005	0.3046
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	1.0100e-003	8.3000e-004	0.0101	3.0000e-005	3.2500e-003	2.0000e-005	3.2700e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.5925	2.5925	6.0000e-005	7.0000e-005	2.6150
Total	1.0300e-003	1.5500e-003	0.0103	3.0000e-005	3.3400e-003	3.0000e-005	3.3600e-003	8.8000e-004	3.0000e-005	9.1000e-004	0.0000	2.8831	2.8831	7.0000e-005	1.2000e-004	2.9197

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					4.9000e-004	0.0000	4.9000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0156	0.1411	0.1643	2.6000e-004		7.4300e-003	7.4300e-003		7.1000e-003	7.1000e-003	0.0000	22.9099	22.9099	4.2300e-003	0.0000	23.0156
Total	0.0156	0.1411	0.1643	2.6000e-004	4.9000e-004	7.4300e-003	7.9200e-003	7.0000e-005	7.1000e-003	7.1700e-003	0.0000	22.9099	22.9099	4.2300e-003	0.0000	23.0156

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3.2 Demolition - 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	2.0000e-005	7.2000e-004	1.8000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2906	0.2906	1.0000e-005	5.0000e-005	0.3046
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	1.0100e-003	8.3000e-004	0.0101	3.0000e-005	3.2500e-003	2.0000e-005	3.2700e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.5925	2.5925	6.0000e-005	7.0000e-005	2.6150
Total	1.0300e-003	1.5500e-003	0.0103	3.0000e-005	3.3400e-003	3.0000e-005	3.3600e-003	8.8000e-004	3.0000e-005	9.1000e-004	0.0000	2.8831	2.8831	7.0000e-005	1.2000e-004	2.9197

3.3 Site Preparation - 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					
Fugitive Dust					0.0973	0.0000	0.0973	0.0534	0.0000	0.0534	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0233	0.2581	0.1276	3.0000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	26.6201	26.6201	8.6100e-003	0.0000	26.8353
Total	0.0233	0.2581	0.1276	3.0000e-004	0.0973	0.0111	0.1084	0.0534	0.0102	0.0636	0.0000	26.6201	26.6201	8.6100e-003	0.0000	26.8353

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3.3 Site Preparation - 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
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	7.9000e-004	6.5000e-004	7.8900e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0268	2.0268	5.0000e-005	6.0000e-005	2.0445
Total	7.9000e-004	6.5000e-004	7.8900e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0268	2.0268	5.0000e-005	6.0000e-005	2.0445

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					0.0438	0.0000	0.0438	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0233	0.2581	0.1276	3.0000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	26.6201	26.6201	8.6100e-003	0.0000	26.8353
Total	0.0233	0.2581	0.1276	3.0000e-004	0.0438	0.0111	0.0549	0.0240	0.0102	0.0343	0.0000	26.6201	26.6201	8.6100e-003	0.0000	26.8353

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3.3 Site Preparation - 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	7.9000e-004	6.5000e-004	7.8900e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0268	2.0268	5.0000e-005	6.0000e-005	2.0445
Total	7.9000e-004	6.5000e-004	7.8900e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0268	2.0268	5.0000e-005	6.0000e-005	2.0445

3.4 Trenching - 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	6.3600e-003	0.0594	0.0468	2.1000e-004		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	18.3605	18.3605	5.9400e-003	0.0000	18.5090
Total	6.3600e-003	0.0594	0.0468	2.1000e-004		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	18.3605	18.3605	5.9400e-003	0.0000	18.5090

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3.4 Trenching - 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
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	3.0000e-004	2.5000e-004	3.0300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7777	0.7777	2.0000e-005	2.0000e-005	0.7845
Total	3.0000e-004	2.5000e-004	3.0300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7777	0.7777	2.0000e-005	2.0000e-005	0.7845

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	6.3600e-003	0.0594	0.0468	2.1000e-004		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	18.3605	18.3605	5.9400e-003	0.0000	18.5090
Total	6.3600e-003	0.0594	0.0468	2.1000e-004		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	18.3605	18.3605	5.9400e-003	0.0000	18.5090

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3.4 Trenching - 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	3.0000e-004	2.5000e-004	3.0300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7777	0.7777	2.0000e-005	2.0000e-005	0.7845
Total	3.0000e-004	2.5000e-004	3.0300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7777	0.7777	2.0000e-005	2.0000e-005	0.7845

3.4 Trenching - 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	0.0149	0.1273	0.1147	5.1000e-004		4.0800e-003	4.0800e-003		3.7500e-003	3.7500e-003	0.0000	45.0831	45.0831	0.0146	0.0000	45.4477
Total	0.0149	0.1273	0.1147	5.1000e-004		4.0800e-003	4.0800e-003		3.7500e-003	3.7500e-003	0.0000	45.0831	45.0831	0.0146	0.0000	45.4477

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3.4 Trenching - 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	6.9000e-004	5.4000e-004	6.8000e-003	2.0000e-005	2.3900e-003	1.0000e-005	2.4000e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8587	1.8587	4.0000e-005	5.0000e-005	1.8739
Total	6.9000e-004	5.4000e-004	6.8000e-003	2.0000e-005	2.3900e-003	1.0000e-005	2.4000e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8587	1.8587	4.0000e-005	5.0000e-005	1.8739

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	0.0149	0.1273	0.1147	5.1000e-004		4.0800e-003	4.0800e-003		3.7500e-003	3.7500e-003	0.0000	45.0831	45.0831	0.0146	0.0000	45.4476
Total	0.0149	0.1273	0.1147	5.1000e-004		4.0800e-003	4.0800e-003		3.7500e-003	3.7500e-003	0.0000	45.0831	45.0831	0.0146	0.0000	45.4476

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3.4 Trenching - 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	6.9000e-004	5.4000e-004	6.8000e-003	2.0000e-005	2.3900e-003	1.0000e-005	2.4000e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8587	1.8587	4.0000e-005	5.0000e-005	1.8739
Total	6.9000e-004	5.4000e-004	6.8000e-003	2.0000e-005	2.3900e-003	1.0000e-005	2.4000e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8587	1.8587	4.0000e-005	5.0000e-005	1.8739

3.5 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	0.0346	0.3333	0.3640	7.5000e-004		0.0163	0.0163		0.0155	0.0155	0.0000	65.1345	65.1345	0.0142	0.0000	65.4896
Total	0.0346	0.3333	0.3640	7.5000e-004		0.0163	0.0163		0.0155	0.0155	0.0000	65.1345	65.1345	0.0142	0.0000	65.4896

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3.5 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
Vendor	1.2000e-004	3.3500e-003	1.1300e-003	1.0000e-005	4.8000e-004	4.0000e-005	5.2000e-004	1.4000e-004	4.0000e-005	1.8000e-004	0.0000	1.3550	1.3550	4.0000e-005	2.0000e-004	1.4157
Worker	9.1000e-004	7.5000e-004	9.0900e-003	3.0000e-005	2.9200e-003	2.0000e-005	2.9400e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.3332	2.3332	6.0000e-005	6.0000e-005	2.3535
Total	1.0300e-003	4.1000e-003	0.0102	4.0000e-005	3.4000e-003	6.0000e-005	3.4600e-003	9.2000e-004	5.0000e-005	9.7000e-004	0.0000	3.6882	3.6882	1.0000e-004	2.6000e-004	3.7692

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	0.0346	0.3333	0.3640	7.5000e-004		0.0163	0.0163		0.0155	0.0155	0.0000	65.1345	65.1345	0.0142	0.0000	65.4896
Total	0.0346	0.3333	0.3640	7.5000e-004		0.0163	0.0163		0.0155	0.0155	0.0000	65.1345	65.1345	0.0142	0.0000	65.4896

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3.5 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	1.2000e-004	3.3500e-003	1.1300e-003	1.0000e-005	4.8000e-004	4.0000e-005	5.2000e-004	1.4000e-004	4.0000e-005	1.8000e-004	0.0000	1.3550	1.3550	4.0000e-005	2.0000e-004	1.4157
Worker	9.1000e-004	7.5000e-004	9.0900e-003	3.0000e-005	2.9200e-003	2.0000e-005	2.9400e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.3332	2.3332	6.0000e-005	6.0000e-005	2.3535
Total	1.0300e-003	4.1000e-003	0.0102	4.0000e-005	3.4000e-003	6.0000e-005	3.4600e-003	9.2000e-004	5.0000e-005	9.7000e-004	0.0000	3.6882	3.6882	1.0000e-004	2.6000e-004	3.7692

3.5 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	0.0788	0.7500	0.8893	1.8400e-003		0.0347	0.0347		0.0330	0.0330	0.0000	159.9987	159.9987	0.0347	0.0000	160.8660
Total	0.0788	0.7500	0.8893	1.8400e-003		0.0347	0.0347		0.0330	0.0330	0.0000	159.9987	159.9987	0.0347	0.0000	160.8660

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3.5 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
Vendor	1.9000e-004	6.5400e-003	2.5100e-003	3.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.4000e-004	5.0000e-005	3.8000e-004	0.0000	3.1920	3.1920	8.0000e-005	4.7000e-004	3.3346
Worker	2.0600e-003	1.6200e-003	0.0204	6.0000e-005	7.1800e-003	4.0000e-005	7.2100e-003	1.9100e-003	3.0000e-005	1.9400e-003	0.0000	5.5761	5.5761	1.3000e-004	1.4000e-004	5.6217
Total	2.2500e-003	8.1600e-003	0.0229	9.0000e-005	8.3500e-003	9.0000e-005	8.4300e-003	2.2500e-003	8.0000e-005	2.3200e-003	0.0000	8.7681	8.7681	2.1000e-004	6.1000e-004	8.9563

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	0.0788	0.7500	0.8893	1.8400e-003		0.0347	0.0347		0.0330	0.0330	0.0000	159.9985	159.9985	0.0347	0.0000	160.8658
Total	0.0788	0.7500	0.8893	1.8400e-003		0.0347	0.0347		0.0330	0.0330	0.0000	159.9985	159.9985	0.0347	0.0000	160.8658

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.9000e-004	6.5400e-003	2.5100e-003	3.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.4000e-004	5.0000e-005	3.8000e-004	0.0000	3.1920	3.1920	8.0000e-005	4.7000e-004	3.3346
Worker	2.0600e-003	1.6200e-003	0.0204	6.0000e-005	7.1800e-003	4.0000e-005	7.2100e-003	1.9100e-003	3.0000e-005	1.9400e-003	0.0000	5.5761	5.5761	1.3000e-004	1.4000e-004	5.6217
Total	2.2500e-003	8.1600e-003	0.0229	9.0000e-005	8.3500e-003	9.0000e-005	8.4300e-003	2.2500e-003	8.0000e-005	2.3200e-003	0.0000	8.7681	8.7681	2.1000e-004	6.1000e-004	8.9563

3.6 Paving - 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	0.0220	0.1955	0.2369	3.9000e-004		9.9400e-003	9.9400e-003		9.4900e-003	9.4900e-003	0.0000	33.1076	33.1076	6.6600e-003	0.0000	33.2740
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0220	0.1955	0.2369	3.9000e-004		9.9400e-003	9.9400e-003		9.4900e-003	9.4900e-003	0.0000	33.1076	33.1076	6.6600e-003	0.0000	33.2740

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3.6 Paving - 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
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	2.0100e-003	1.6700e-003	0.0202	6.0000e-005	6.5000e-003	3.0000e-005	6.5300e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	5.1849	5.1849	1.3000e-004	1.4000e-004	5.2301
Total	2.0100e-003	1.6700e-003	0.0202	6.0000e-005	6.5000e-003	3.0000e-005	6.5300e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	5.1849	5.1849	1.3000e-004	1.4000e-004	5.2301

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	0.0220	0.1955	0.2369	3.9000e-004		9.9400e-003	9.9400e-003		9.4900e-003	9.4900e-003	0.0000	33.1076	33.1076	6.6600e-003	0.0000	33.2740
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0220	0.1955	0.2369	3.9000e-004		9.9400e-003	9.9400e-003		9.4900e-003	9.4900e-003	0.0000	33.1076	33.1076	6.6600e-003	0.0000	33.2740

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3.6 Paving - 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	2.0100e-003	1.6700e-003	0.0202	6.0000e-005	6.5000e-003	3.0000e-005	6.5300e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	5.1849	5.1849	1.3000e-004	1.4000e-004	5.2301
Total	2.0100e-003	1.6700e-003	0.0202	6.0000e-005	6.5000e-003	3.0000e-005	6.5300e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	5.1849	5.1849	1.3000e-004	1.4000e-004	5.2301

3.6 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	0.0507	0.4459	0.5803	9.6000e-004		0.0216	0.0216		0.0206	0.0206	0.0000	81.2771	81.2771	0.0162	0.0000	81.6816
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0507	0.4459	0.5803	9.6000e-004		0.0216	0.0216		0.0206	0.0206	0.0000	81.2771	81.2771	0.0162	0.0000	81.6816

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3.6 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	4.5700e-003	3.5900e-003	0.0454	1.3000e-004	0.0160	8.0000e-005	0.0160	4.2300e-003	7.0000e-005	4.3100e-003	0.0000	12.3913	12.3913	2.8000e-004	3.2000e-004	12.4928
Total	4.5700e-003	3.5900e-003	0.0454	1.3000e-004	0.0160	8.0000e-005	0.0160	4.2300e-003	7.0000e-005	4.3100e-003	0.0000	12.3913	12.3913	2.8000e-004	3.2000e-004	12.4928

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	0.0507	0.4459	0.5803	9.6000e-004		0.0216	0.0216		0.0206	0.0206	0.0000	81.2770	81.2770	0.0162	0.0000	81.6815
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0507	0.4459	0.5803	9.6000e-004		0.0216	0.0216		0.0206	0.0206	0.0000	81.2770	81.2770	0.0162	0.0000	81.6815

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3.6 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	4.5700e-003	3.5900e-003	0.0454	1.3000e-004	0.0160	8.0000e-005	0.0160	4.2300e-003	7.0000e-005	4.3100e-003	0.0000	12.3913	12.3913	2.8000e-004	3.2000e-004	12.4928
Total	4.5700e-003	3.5900e-003	0.0454	1.3000e-004	0.0160	8.0000e-005	0.0160	4.2300e-003	7.0000e-005	4.3100e-003	0.0000	12.3913	12.3913	2.8000e-004	3.2000e-004	12.4928

3.7 Architectural Coating - 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					
Archit. Coating	0.0272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-003	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263
Total	0.0317	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263

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3.7 Architectural Coating - 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
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	2.0000e-004	1.7000e-004	2.0200e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5185	0.5185	1.0000e-005	1.0000e-005	0.5230
Total	2.0000e-004	1.7000e-004	2.0200e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5185	0.5185	1.0000e-005	1.0000e-005	0.5230

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-003	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263
Total	0.0317	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263

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3.7 Architectural Coating - 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	2.0000e-004	1.7000e-004	2.0200e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5185	0.5185	1.0000e-005	1.0000e-005	0.5230
Total	2.0000e-004	1.7000e-004	2.0200e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5185	0.5185	1.0000e-005	1.0000e-005	0.5230

3.7 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	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0704	0.0978	1.6000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	13.7876	13.7876	8.2000e-004	0.0000	13.8082
Total	0.0772	0.0704	0.0978	1.6000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	13.7876	13.7876	8.2000e-004	0.0000	13.8082

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3.7 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	4.6000e-004	3.6000e-004	4.5400e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2391	1.2391	3.0000e-005	3.0000e-005	1.2493
Total	4.6000e-004	3.6000e-004	4.5400e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2391	1.2391	3.0000e-005	3.0000e-005	1.2493

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0704	0.0978	1.6000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	13.7876	13.7876	8.2000e-004	0.0000	13.8082
Total	0.0772	0.0704	0.0978	1.6000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	13.7876	13.7876	8.2000e-004	0.0000	13.8082

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3.7 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	4.6000e-004	3.6000e-004	4.5400e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2391	1.2391	3.0000e-005	3.0000e-005	1.2493
Total	4.6000e-004	3.6000e-004	4.5400e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2391	1.2391	3.0000e-005	3.0000e-005	1.2493

3.8 CS 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	0.0418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	0.0667	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419

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3.8 CS 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	1.1000e-003	8.6000e-004	0.0109	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9831	2.9831	7.0000e-005	8.0000e-005	3.0075
Total	1.1000e-003	8.6000e-004	0.0109	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9831	2.9831	7.0000e-005	8.0000e-005	3.0075

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	0.0667	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.1000e-003	8.6000e-004	0.0109	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9831	2.9831	7.0000e-005	8.0000e-005	3.0075
Total	1.1000e-003	8.6000e-004	0.0109	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9831	2.9831	7.0000e-005	8.0000e-005	3.0075

3.8 CS 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	0.0421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.0658	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.8 CS 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	1.0300e-003	7.7000e-004	0.0102	3.0000e-005	3.8700e-003	2.0000e-005	3.8900e-003	1.0300e-003	2.0000e-005	1.0400e-003	0.0000	2.9421	2.9421	6.0000e-005	7.0000e-005	2.9648
Total	1.0300e-003	7.7000e-004	0.0102	3.0000e-005	3.8700e-003	2.0000e-005	3.8900e-003	1.0300e-003	2.0000e-005	1.0400e-003	0.0000	2.9421	2.9421	6.0000e-005	7.0000e-005	2.9648

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.0658	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.8 CS 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	1.0300e-003	7.7000e-004	0.0102	3.0000e-005	3.8700e-003	2.0000e-005	3.8900e-003	1.0300e-003	2.0000e-005	1.0400e-003	0.0000	2.9421	2.9421	6.0000e-005	7.0000e-005	2.9648
Total	1.0300e-003	7.7000e-004	0.0102	3.0000e-005	3.8700e-003	2.0000e-005	3.8900e-003	1.0300e-003	2.0000e-005	1.0400e-003	0.0000	2.9421	2.9421	6.0000e-005	7.0000e-005	2.9648

3.8 CS 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	0.0103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4700e-003	0.0367	0.0579	1.0000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	8.1704	8.1704	4.5000e-004	0.0000	8.1816
Total	0.0158	0.0367	0.0579	1.0000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	8.1704	8.1704	4.5000e-004	0.0000	8.1816

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3.8 CS 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	2.4000e-004	1.7000e-004	2.3200e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7011	0.7011	1.0000e-005	2.0000e-005	0.7062
Total	2.4000e-004	1.7000e-004	2.3200e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7011	0.7011	1.0000e-005	2.0000e-005	0.7062

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4700e-003	0.0367	0.0579	1.0000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	8.1704	8.1704	4.5000e-004	0.0000	8.1815
Total	0.0158	0.0367	0.0579	1.0000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	8.1704	8.1704	4.5000e-004	0.0000	8.1815

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3.8 CS 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	2.4000e-004	1.7000e-004	2.3200e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7011	0.7011	1.0000e-005	2.0000e-005	0.7062
Total	2.4000e-004	1.7000e-004	2.3200e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7011	0.7011	1.0000e-005	2.0000e-005	0.7062

3.9 CS Demolition - 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					4.8200e-003	0.0000	4.8200e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.2572	0.3290	5.3000e-004		0.0126	0.0126		0.0120	0.0120	0.0000	46.3608	46.3608	8.4300e-003	0.0000	46.5717
Total	0.0288	0.2572	0.3290	5.3000e-004	4.8200e-003	0.0126	0.0174	7.3000e-004	0.0120	0.0127	0.0000	46.3608	46.3608	8.4300e-003	0.0000	46.5717

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3.9 CS Demolition - 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	5.0000e-005	2.6200e-003	7.6000e-004	1.0000e-005	3.9000e-004	3.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.2503	1.2503	5.0000e-005	2.0000e-004	1.3107
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	1.8800e-003	1.4800e-003	0.0187	5.0000e-005	6.5700e-003	3.0000e-005	6.6000e-003	1.7400e-003	3.0000e-005	1.7700e-003	0.0000	5.1057	5.1057	1.2000e-004	1.3000e-004	5.1475
Total	1.9300e-003	4.1000e-003	0.0195	6.0000e-005	6.9600e-003	6.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.3560	6.3560	1.7000e-004	3.3000e-004	6.4582

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					2.1700e-003	0.0000	2.1700e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.2572	0.3290	5.3000e-004		0.0126	0.0126		0.0120	0.0120	0.0000	46.3608	46.3608	8.4300e-003	0.0000	46.5716
Total	0.0288	0.2572	0.3290	5.3000e-004	2.1700e-003	0.0126	0.0147	3.3000e-004	0.0120	0.0123	0.0000	46.3608	46.3608	8.4300e-003	0.0000	46.5716

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 CS Demolition - 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	5.0000e-005	2.6200e-003	7.6000e-004	1.0000e-005	3.9000e-004	3.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.2503	1.2503	5.0000e-005	2.0000e-004	1.3107
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	1.8800e-003	1.4800e-003	0.0187	5.0000e-005	6.5700e-003	3.0000e-005	6.6000e-003	1.7400e-003	3.0000e-005	1.7700e-003	0.0000	5.1057	5.1057	1.2000e-004	1.3000e-004	5.1475
Total	1.9300e-003	4.1000e-003	0.0195	6.0000e-005	6.9600e-003	6.0000e-005	7.0100e-003	1.8500e-003	5.0000e-005	1.9000e-003	0.0000	6.3560	6.3560	1.7000e-004	3.3000e-004	6.4582

3.10 CS 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					0.1944	0.0000	0.1944	0.1068	0.0000	0.1068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0401	0.4377	0.2387	6.1000e-004		0.0181	0.0181		0.0166	0.0166	0.0000	53.2383	53.2383	0.0172	0.0000	53.6688
Total	0.0401	0.4377	0.2387	6.1000e-004	0.1944	0.0181	0.2124	0.1068	0.0166	0.1234	0.0000	53.2383	53.2383	0.0172	0.0000	53.6688

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3.10 CS 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	1.4600e-003	1.1400e-003	0.0145	4.0000e-005	5.0800e-003	3.0000e-005	5.1000e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9469	3.9469	9.0000e-005	1.0000e-004	3.9792
Total	1.4600e-003	1.1400e-003	0.0145	4.0000e-005	5.0800e-003	3.0000e-005	5.1000e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9469	3.9469	9.0000e-005	1.0000e-004	3.9792

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					0.0875	0.0000	0.0875	0.0481	0.0000	0.0481	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0401	0.4377	0.2387	6.1000e-004		0.0181	0.0181		0.0166	0.0166	0.0000	53.2382	53.2382	0.0172	0.0000	53.6687
Total	0.0401	0.4377	0.2387	6.1000e-004	0.0875	0.0181	0.1055	0.0481	0.0166	0.0647	0.0000	53.2382	53.2382	0.0172	0.0000	53.6687

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3.10 CS 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	1.4600e-003	1.1400e-003	0.0145	4.0000e-005	5.0800e-003	3.0000e-005	5.1000e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9469	3.9469	9.0000e-005	1.0000e-004	3.9792
Total	1.4600e-003	1.1400e-003	0.0145	4.0000e-005	5.0800e-003	3.0000e-005	5.1000e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9469	3.9469	9.0000e-005	1.0000e-004	3.9792

3.11 CS Trenching - 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	0.0236	0.1838	0.4277	6.8000e-004		9.0500e-003	9.0500e-003		8.3300e-003	8.3300e-003	0.0000	59.4521	59.4521	0.0192	0.0000	59.9328
Total	0.0236	0.1838	0.4277	6.8000e-004		9.0500e-003	9.0500e-003		8.3300e-003	8.3300e-003	0.0000	59.4521	59.4521	0.0192	0.0000	59.9328

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3.11 CS Trenching - 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	1.5500e-003	1.1600e-003	0.0154	5.0000e-005	5.8000e-003	3.0000e-005	5.8300e-003	1.5400e-003	3.0000e-005	1.5700e-003	0.0000	4.4131	4.4131	9.0000e-005	1.1000e-004	4.4472
Total	1.5500e-003	1.1600e-003	0.0154	5.0000e-005	5.8000e-003	3.0000e-005	5.8300e-003	1.5400e-003	3.0000e-005	1.5700e-003	0.0000	4.4131	4.4131	9.0000e-005	1.1000e-004	4.4472

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	0.0236	0.1838	0.4277	6.8000e-004		9.0500e-003	9.0500e-003		8.3300e-003	8.3300e-003	0.0000	59.4521	59.4521	0.0192	0.0000	59.9328
Total	0.0236	0.1838	0.4277	6.8000e-004		9.0500e-003	9.0500e-003		8.3300e-003	8.3300e-003	0.0000	59.4521	59.4521	0.0192	0.0000	59.9328

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3.11 CS Trenching - 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	1.5500e-003	1.1600e-003	0.0154	5.0000e-005	5.8000e-003	3.0000e-005	5.8300e-003	1.5400e-003	3.0000e-005	1.5700e-003	0.0000	4.4131	4.4131	9.0000e-005	1.1000e-004	4.4472
Total	1.5500e-003	1.1600e-003	0.0154	5.0000e-005	5.8000e-003	3.0000e-005	5.8300e-003	1.5400e-003	3.0000e-005	1.5700e-003	0.0000	4.4131	4.4131	9.0000e-005	1.1000e-004	4.4472

3.11 CS Trenching - 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	5.3500e-003	0.0391	0.1043	1.7000e-004		1.9200e-003	1.9200e-003		1.7600e-003	1.7600e-003	0.0000	14.5248	14.5248	4.7000e-003	0.0000	14.6422
Total	5.3500e-003	0.0391	0.1043	1.7000e-004		1.9200e-003	1.9200e-003		1.7600e-003	1.7600e-003	0.0000	14.5248	14.5248	4.7000e-003	0.0000	14.6422

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3.11 CS Trenching - 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	3.5000e-004	2.5000e-004	3.4800e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0516	1.0516	2.0000e-005	2.0000e-005	1.0593
Total	3.5000e-004	2.5000e-004	3.4800e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0516	1.0516	2.0000e-005	2.0000e-005	1.0593

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	5.3500e-003	0.0391	0.1043	1.7000e-004		1.9200e-003	1.9200e-003		1.7600e-003	1.7600e-003	0.0000	14.5248	14.5248	4.7000e-003	0.0000	14.6422
Total	5.3500e-003	0.0391	0.1043	1.7000e-004		1.9200e-003	1.9200e-003		1.7600e-003	1.7600e-003	0.0000	14.5248	14.5248	4.7000e-003	0.0000	14.6422

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3.11 CS Trenching - 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	3.5000e-004	2.5000e-004	3.4800e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0516	1.0516	2.0000e-005	2.0000e-005	1.0593
Total	3.5000e-004	2.5000e-004	3.4800e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0516	1.0516	2.0000e-005	2.0000e-005	1.0593

3.12 CS 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	0.0997	1.0121	1.0421	1.8700e-003		0.0465	0.0465		0.0428	0.0428	0.0000	164.5222	164.5222	0.0532	0.0000	165.8525
Total	0.0997	1.0121	1.0421	1.8700e-003		0.0465	0.0465		0.0428	0.0428	0.0000	164.5222	164.5222	0.0532	0.0000	165.8525

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3.12 CS 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	4.5000e-004	0.0160	5.9900e-003	8.0000e-005	2.8400e-003	1.2000e-004	2.9500e-003	8.2000e-004	1.1000e-004	9.3000e-004	0.0000	7.6372	7.6372	2.0000e-004	1.1300e-003	7.9781
Worker	4.6500e-003	3.4700e-003	0.0461	1.4000e-004	0.0174	8.0000e-005	0.0175	4.6200e-003	8.0000e-005	4.7000e-003	0.0000	13.2394	13.2394	2.8000e-004	3.2000e-004	13.3416
Total	5.1000e-003	0.0195	0.0521	2.2000e-004	0.0203	2.0000e-004	0.0204	5.4400e-003	1.9000e-004	5.6300e-003	0.0000	20.8766	20.8766	4.8000e-004	1.4500e-003	21.3197

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	0.0997	1.0121	1.0421	1.8700e-003		0.0465	0.0465		0.0428	0.0428	0.0000	164.5220	164.5220	0.0532	0.0000	165.8523
Total	0.0997	1.0121	1.0421	1.8700e-003		0.0465	0.0465		0.0428	0.0428	0.0000	164.5220	164.5220	0.0532	0.0000	165.8523

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3.12 CS 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	4.5000e-004	0.0160	5.9900e-003	8.0000e-005	2.8400e-003	1.2000e-004	2.9500e-003	8.2000e-004	1.1000e-004	9.3000e-004	0.0000	7.6372	7.6372	2.0000e-004	1.1300e-003	7.9781
Worker	4.6500e-003	3.4700e-003	0.0461	1.4000e-004	0.0174	8.0000e-005	0.0175	4.6200e-003	8.0000e-005	4.7000e-003	0.0000	13.2394	13.2394	2.8000e-004	3.2000e-004	13.3416
Total	5.1000e-003	0.0195	0.0521	2.2000e-004	0.0203	2.0000e-004	0.0204	5.4400e-003	1.9000e-004	5.6300e-003	0.0000	20.8766	20.8766	4.8000e-004	1.4500e-003	21.3197

3.12 CS 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	0.0226	0.2261	0.2527	4.6000e-004		9.8700e-003	9.8700e-003		9.0800e-003	9.0800e-003	0.0000	40.2060	40.2060	0.0130	0.0000	40.5311
Total	0.0226	0.2261	0.2527	4.6000e-004		9.8700e-003	9.8700e-003		9.0800e-003	9.0800e-003	0.0000	40.2060	40.2060	0.0130	0.0000	40.5311

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3.12 CS 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	1.1000e-004	3.8900e-003	1.4400e-003	2.0000e-005	6.9000e-004	3.0000e-005	7.2000e-004	2.0000e-004	3.0000e-005	2.3000e-004	0.0000	1.8293	1.8293	5.0000e-005	2.7000e-004	1.9109
Worker	1.0600e-003	7.5000e-004	0.0105	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.1548	3.1548	6.0000e-005	7.0000e-005	3.1779
Total	1.1700e-003	4.6400e-003	0.0119	5.0000e-005	4.9400e-003	5.0000e-005	4.9900e-003	1.3300e-003	5.0000e-005	1.3800e-003	0.0000	4.9841	4.9841	1.1000e-004	3.4000e-004	5.0888

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	0.0226	0.2261	0.2527	4.6000e-004		9.8700e-003	9.8700e-003		9.0800e-003	9.0800e-003	0.0000	40.2059	40.2059	0.0130	0.0000	40.5310
Total	0.0226	0.2261	0.2527	4.6000e-004		9.8700e-003	9.8700e-003		9.0800e-003	9.0800e-003	0.0000	40.2059	40.2059	0.0130	0.0000	40.5310

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3.12 CS 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	1.1000e-004	3.8900e-003	1.4400e-003	2.0000e-005	6.9000e-004	3.0000e-005	7.2000e-004	2.0000e-004	3.0000e-005	2.3000e-004	0.0000	1.8293	1.8293	5.0000e-005	2.7000e-004	1.9109
Worker	1.0600e-003	7.5000e-004	0.0105	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.1548	3.1548	6.0000e-005	7.0000e-005	3.1779
Total	1.1700e-003	4.6400e-003	0.0119	5.0000e-005	4.9400e-003	5.0000e-005	4.9900e-003	1.3300e-003	5.0000e-005	1.3800e-003	0.0000	4.9841	4.9841	1.1000e-004	3.4000e-004	5.0888

3.13 CS Paving - 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	0.0773	0.6851	0.9211	1.4800e-003		0.0318	0.0318		0.0297	0.0297	0.0000	123.1479	123.1479	0.0359	0.0000	124.0448
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0773	0.6851	0.9211	1.4800e-003		0.0318	0.0318		0.0297	0.0297	0.0000	123.1479	123.1479	0.0359	0.0000	124.0448

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3.13 CS Paving - 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	9.2900e-003	6.9400e-003	0.0922	2.8000e-004	0.0348	1.6000e-004	0.0350	9.2500e-003	1.5000e-004	9.4000e-003	0.0000	26.4787	26.4787	5.6000e-004	6.4000e-004	26.6832
Total	9.2900e-003	6.9400e-003	0.0922	2.8000e-004	0.0348	1.6000e-004	0.0350	9.2500e-003	1.5000e-004	9.4000e-003	0.0000	26.4787	26.4787	5.6000e-004	6.4000e-004	26.6832

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	0.0773	0.6851	0.9211	1.4800e-003		0.0318	0.0318		0.0297	0.0297	0.0000	123.1478	123.1478	0.0359	0.0000	124.0446
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0773	0.6851	0.9211	1.4800e-003		0.0318	0.0318		0.0297	0.0297	0.0000	123.1478	123.1478	0.0359	0.0000	124.0446

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3.13 CS Paving - 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	9.2900e-003	6.9400e-003	0.0922	2.8000e-004	0.0348	1.6000e-004	0.0350	9.2500e-003	1.5000e-004	9.4000e-003	0.0000	26.4787	26.4787	5.6000e-004	6.4000e-004	26.6832
Total	9.2900e-003	6.9400e-003	0.0922	2.8000e-004	0.0348	1.6000e-004	0.0350	9.2500e-003	1.5000e-004	9.4000e-003	0.0000	26.4787	26.4787	5.6000e-004	6.4000e-004	26.6832

3.13 CS 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	0.0180	0.1575	0.2248	3.6000e-004		7.0000e-003	7.0000e-003		6.5500e-003	6.5500e-003	0.0000	30.0829	30.0829	8.7600e-003	0.0000	30.3019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0180	0.1575	0.2248	3.6000e-004		7.0000e-003	7.0000e-003		6.5500e-003	6.5500e-003	0.0000	30.0829	30.0829	8.7600e-003	0.0000	30.3019

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3.13 CS 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	2.1200e-003	1.5100e-003	0.0209	7.0000e-005	8.5000e-003	4.0000e-005	8.5400e-003	2.2600e-003	4.0000e-005	2.2900e-003	0.0000	6.3096	6.3096	1.2000e-004	1.5000e-004	6.3559
Total	2.1200e-003	1.5100e-003	0.0209	7.0000e-005	8.5000e-003	4.0000e-005	8.5400e-003	2.2600e-003	4.0000e-005	2.2900e-003	0.0000	6.3096	6.3096	1.2000e-004	1.5000e-004	6.3559

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	0.0180	0.1575	0.2248	3.6000e-004		7.0000e-003	7.0000e-003		6.5500e-003	6.5500e-003	0.0000	30.0828	30.0828	8.7600e-003	0.0000	30.3019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0180	0.1575	0.2248	3.6000e-004		7.0000e-003	7.0000e-003		6.5500e-003	6.5500e-003	0.0000	30.0828	30.0828	8.7600e-003	0.0000	30.3019

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3.13 CS 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	2.1200e-003	1.5100e-003	0.0209	7.0000e-005	8.5000e-003	4.0000e-005	8.5400e-003	2.2600e-003	4.0000e-005	2.2900e-003	0.0000	6.3096	6.3096	1.2000e-004	1.5000e-004	6.3559
Total	2.1200e-003	1.5100e-003	0.0209	7.0000e-005	8.5000e-003	4.0000e-005	8.5400e-003	2.2600e-003	4.0000e-005	2.2900e-003	0.0000	6.3096	6.3096	1.2000e-004	1.5000e-004	6.3559

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884
Unmitigated	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	183.92	183.92	183.92	511,429	511,429
Total	183.92	183.92	183.92	511,429	511,429

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
Hotel	18.50	10.10	7.90	19.40	61.60	19.00	58	38	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	354235	112.8669	4.6600e-003	9.6000e-004	113.2706
Total		112.8669	4.6600e-003	9.6000e-004	113.2706

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	354235	112.8669	4.6600e-003	9.6000e-004	113.2706
Total		112.8669	4.6600e-003	9.6000e-004	113.2706

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Unmitigated	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004

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	9.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Total	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Total	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.7119	0.0183	4.5000e-004	3.3035
Unmitigated	2.7119	0.0183	4.5000e-004	3.3035

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	0.558069 / 0.0620077	2.7119	0.0183	4.5000e-004	3.3035
Total		2.7119	0.0183	4.5000e-004	3.3035

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	0.558069 / 0.0620077	2.7119	0.0183	4.5000e-004	3.3035
Total		2.7119	0.0183	4.5000e-004	3.3035

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.4440	0.1444	0.0000	6.0549
Unmitigated	2.4440	0.1444	0.0000	6.0549

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	12.04	2.4440	0.1444	0.0000	6.0549
Total		2.4440	0.1444	0.0000	6.0549

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	12.04	2.4440	0.1444	0.0000	6.0549
Total		2.4440	0.1444	0.0000	6.0549

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
