

Schwartz Federal Building Enhancements - San Diego County, Annual

**Schwartz Federal Building Enhancements
San Diego County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.50	1000sqft	0.72	31,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - This model is for construction emissions only.

Land Use - The land use size is the estimated area disturbed, not the entire Federal Building.

Construction Phase - Anticipated construction schedule per project contractor.

Off-road Equipment - Estimated equipment required per project contractor.

Off-road Equipment - Estimated equipment required per project contractor.

Other Construction Equipment = all terrain scissor lift.

Off-road Equipment - Estimated equipment required per project contractor.

Other Construction Equipment = all terrain scissor lift.

Off-road Equipment - Estimated equipment required per project contractor.

Other Construction Equipment = concrete pump.

Off-road Equipment - Estimated equipment required per project contractor.

Trips and VMT - Worker trips based on an average crew of 20.

Vendor trips and hauling trips based on estimates from the project contractor.

Demolition -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Fugitive dust control to comply with SDAPCD Rule 55.

Clean paved road % reduction based on minimum reduction efficiency per SCAQMD CEQA Guidelines Table 11-4.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	85.00
tblConstructionPhase	NumDays	100.00	259.00
tblConstructionPhase	NumDays	10.00	100.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	5.00	65.00
tblOffRoadEquipment	HorsePower	172.00	25.00
tblOffRoadEquipment	HorsePower	172.00	25.00

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tblOffRoadEquipment	HorsePower	172.00	100.00
tblOffRoadEquipment	LoadFactor	0.42	0.20
tblOffRoadEquipment	LoadFactor	0.42	0.20
tblOffRoadEquipment	LoadFactor	0.42	0.56
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	237.00	480.00
tblTripsAndVMT	HaulingTripNumber	71.00	144.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,244.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,040.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	23.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	40.00
tblTripsAndVMT	WorkerTripNumber	13.00	40.00
tblTripsAndVMT	WorkerTripNumber	20.00	40.00
tblTripsAndVMT	WorkerTripNumber	3.00	40.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.2462	2.0422	1.9417	3.6300e-003	0.0841	0.1196	0.2037	0.0185	0.1157	0.1342	0.0000	322.1166	322.1166	0.0427	0.0000	323.1828
2020	0.1731	1.5732	1.3108	2.9400e-003	0.0644	0.0760	0.1404	0.0173	0.0706	0.0879	0.0000	264.7307	264.7307	0.0501	0.0000	265.9825
2021	0.0335	0.1997	0.2453	4.2000e-004	0.0104	0.0119	0.0223	2.7800e-003	0.0112	0.0140	0.0000	37.3583	37.3583	6.9800e-003	0.0000	37.5329
Maximum	0.2462	2.0422	1.9417	3.6300e-003	0.0841	0.1196	0.2037	0.0185	0.1157	0.1342	0.0000	322.1166	322.1166	0.0501	0.0000	323.1828

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					
2019	0.2462	2.0422	1.9417	3.6300e-003	0.0547	0.1196	0.1743	0.0130	0.1157	0.1287	0.0000	322.1163	322.1163	0.0427	0.0000	323.1825
2020	0.1731	1.5732	1.3108	2.9400e-003	0.0510	0.0760	0.1270	0.0140	0.0706	0.0846	0.0000	264.7305	264.7305	0.0501	0.0000	265.9824
2021	0.0335	0.1997	0.2453	4.2000e-004	8.1700e-003	0.0119	0.0201	2.2300e-003	0.0112	0.0134	0.0000	37.3582	37.3582	6.9800e-003	0.0000	37.5328
Maximum	0.2462	2.0422	1.9417	3.6300e-003	0.0547	0.1196	0.1743	0.0140	0.1157	0.1287	0.0000	322.1163	322.1163	0.0501	0.0000	323.1825

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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
Percent Reduction	0.00	0.00	0.00	0.00	28.31	0.00	12.28	24.12	0.00	3.94	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	3-1-2019	5-31-2019	0.8228	0.8228
2	6-1-2019	8-31-2019	0.8029	0.8029
3	9-1-2019	11-30-2019	0.4811	0.4811
4	12-1-2019	2-29-2020	0.4636	0.4636
5	3-1-2020	5-31-2020	0.4526	0.4526
6	6-1-2020	8-31-2020	0.4423	0.4423
7	9-1-2020	11-30-2020	0.4377	0.4377
8	12-1-2020	2-28-2021	0.2550	0.2550
9	3-1-2021	5-31-2021	0.0712	0.0712
		Highest	0.8228	0.8228

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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	2.0600e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0600e-003	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004

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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	2.0600e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0600e-003	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Sidewalk Demolition	Demolition	3/1/2019	7/18/2019	5	100	
2	Building/Roadway Demolition	Demolition	7/22/2019	8/31/2019	5	30	
3	Building Construction	Building Construction	9/3/2019	8/28/2020	5	259	
4	Paving/Sidelwalk Construction	Paving	8/31/2020	11/27/2020	5	65	
5	Architectural Finishes	Architectural Coating	11/30/2020	3/26/2021	5	85	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,890 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Sidewalk Demolition	Concrete/Industrial Saws	6	6.00	81	0.73
Sidewalk Demolition	Forklifts	1	6.00	89	0.20
Sidewalk Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Sidewalk Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building/Roadway Demolition	Concrete/Industrial Saws	6	6.00	81	0.73
Building/Roadway Demolition	Graders	0	8.00	187	0.41
Building/Roadway Demolition	Other Construction Equipment	1	6.00	25	0.20
Building/Roadway Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Building/Roadway Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Other Construction Equipment	1	6.00	25	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	1	6.00	46	0.45
Paving/Sidelwalk Construction	Cement and Mortar Mixers	4	6.00	9	0.56
Paving/Sidelwalk Construction	Other Construction Equipment	1	6.00	100	0.56
Paving/Sidelwalk Construction	Pavers	1	2.00	130	0.42
Paving/Sidelwalk Construction	Rollers	1	2.00	80	0.38
Paving/Sidelwalk Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Finishes	Air Compressors	1	6.00	78	0.48
Architectural Finishes	Forklifts	2	6.00	89	0.20
Architectural Finishes	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Sidewalk Demolition	9	40.00	0.00	480.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building/Roadway Demolition	9	40.00	0.00	144.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	40.00	5.00	1,244.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving/Sidewalk Construction	8	40.00	3.00	1,040.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Finishes	5	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Sidewalk Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0260	0.0000	0.0260	3.9400e-003	0.0000	3.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1274	1.0363	1.0505	1.7000e-003		0.0675	0.0675		0.0662	0.0662	0.0000	147.0455	147.0455	0.0168	0.0000	147.4646
Total	0.1274	1.0363	1.0505	1.7000e-003	0.0260	0.0675	0.0935	3.9400e-003	0.0662	0.0702	0.0000	147.0455	147.0455	0.0168	0.0000	147.4646

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3.2 Sidewalk Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0736	0.0160	1.9000e-004	4.1100e-003	2.7000e-004	4.3800e-003	1.1300e-003	2.6000e-004	1.3900e-003	0.0000	18.7103	18.7103	1.6900e-003	0.0000	18.7526
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	7.8800e-003	6.0500e-003	0.0585	1.7000e-004	0.0160	1.2000e-004	0.0162	4.2600e-003	1.1000e-004	4.3700e-003	0.0000	14.9699	14.9699	4.8000e-004	0.0000	14.9820
Total	9.9900e-003	0.0796	0.0746	3.6000e-004	0.0202	3.9000e-004	0.0205	5.3900e-003	3.7000e-004	5.7600e-003	0.0000	33.6802	33.6802	2.1700e-003	0.0000	33.7346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0117	0.0000	0.0117	1.7700e-003	0.0000	1.7700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1274	1.0363	1.0505	1.7000e-003		0.0675	0.0675		0.0662	0.0662	0.0000	147.0453	147.0453	0.0168	0.0000	147.4644
Total	0.1274	1.0363	1.0505	1.7000e-003	0.0117	0.0675	0.0792	1.7700e-003	0.0662	0.0680	0.0000	147.0453	147.0453	0.0168	0.0000	147.4644

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3.2 Sidewalk Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0736	0.0160	1.9000e-004	3.3400e-003	2.7000e-004	3.6100e-003	9.4000e-004	2.6000e-004	1.2000e-003	0.0000	18.7103	18.7103	1.6900e-003	0.0000	18.7526
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	7.8800e-003	6.0500e-003	0.0585	1.7000e-004	0.0126	1.2000e-004	0.0127	3.4100e-003	1.1000e-004	3.5200e-003	0.0000	14.9699	14.9699	4.8000e-004	0.0000	14.9820
Total	9.9900e-003	0.0796	0.0746	3.6000e-004	0.0159	3.9000e-004	0.0163	4.3500e-003	3.7000e-004	4.7200e-003	0.0000	33.6802	33.6802	2.1700e-003	0.0000	33.7346

3.3 Building/Roadway Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.8000e-003	0.0000	7.8000e-003	1.1800e-003	0.0000	1.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0393	0.3175	0.3245	5.2000e-004		0.0206	0.0206		0.0202	0.0202	0.0000	45.1476	45.1476	5.3600e-003	0.0000	45.2815
Total	0.0393	0.3175	0.3245	5.2000e-004	7.8000e-003	0.0206	0.0284	1.1800e-003	0.0202	0.0214	0.0000	45.1476	45.1476	5.3600e-003	0.0000	45.2815

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3.3 Building/Roadway Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3000e-004	0.0221	4.8100e-003	6.0000e-005	1.2300e-003	8.0000e-005	1.3100e-003	3.4000e-004	8.0000e-005	4.2000e-004	0.0000	5.6131	5.6131	5.1000e-004	0.0000	5.6258
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	2.3700e-003	1.8200e-003	0.0176	5.0000e-005	4.8100e-003	4.0000e-005	4.8500e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	4.4910	4.4910	1.4000e-004	0.0000	4.4946
Total	3.0000e-003	0.0239	0.0224	1.1000e-004	6.0400e-003	1.2000e-004	6.1600e-003	1.6200e-003	1.1000e-004	1.7300e-003	0.0000	10.1041	10.1041	6.5000e-004	0.0000	10.1204

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.5100e-003	0.0000	3.5100e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0393	0.3175	0.3245	5.2000e-004		0.0206	0.0206		0.0202	0.0202	0.0000	45.1475	45.1475	5.3600e-003	0.0000	45.2814
Total	0.0393	0.3175	0.3245	5.2000e-004	3.5100e-003	0.0206	0.0241	5.3000e-004	0.0202	0.0207	0.0000	45.1475	45.1475	5.3600e-003	0.0000	45.2814

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3.3 Building/Roadway Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.3000e-004	0.0221	4.8100e-003	6.0000e-005	1.0000e-003	8.0000e-005	1.0800e-003	2.8000e-004	8.0000e-005	3.6000e-004	0.0000	5.6131	5.6131	5.1000e-004	0.0000	5.6258
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	2.3700e-003	1.8200e-003	0.0176	5.0000e-005	3.7700e-003	4.0000e-005	3.8100e-003	1.0200e-003	3.0000e-005	1.0600e-003	0.0000	4.4910	4.4910	1.4000e-004	0.0000	4.4946
Total	3.0000e-003	0.0239	0.0224	1.1000e-004	4.7700e-003	1.2000e-004	4.8900e-003	1.3000e-003	1.1000e-004	1.4200e-003	0.0000	10.1041	10.1041	6.5000e-004	0.0000	10.1204

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0569	0.4895	0.3984	5.9000e-004		0.0305	0.0305		0.0283	0.0283	0.0000	51.4518	51.4518	0.0154	0.0000	51.8362
Total	0.0569	0.4895	0.3984	5.9000e-004		0.0305	0.0305		0.0283	0.0283	0.0000	51.4518	51.4518	0.0154	0.0000	51.8362

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3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8100e-003	0.0633	0.0138	1.6000e-004	8.8800e-003	2.4000e-004	9.1100e-003	2.2800e-003	2.3000e-004	2.5100e-003	0.0000	16.1012	16.1012	1.4600e-003	0.0000	16.1376
Vendor	1.0100e-003	0.0270	7.2500e-003	6.0000e-005	1.4300e-003	1.9000e-004	1.6100e-003	4.1000e-004	1.8000e-004	5.9000e-004	0.0000	5.7121	5.7121	4.6000e-004	0.0000	5.7235
Worker	6.7800e-003	5.2000e-003	0.0503	1.4000e-004	0.0138	1.0000e-004	0.0139	3.6700e-003	9.0000e-005	3.7600e-003	0.0000	12.8741	12.8741	4.1000e-004	0.0000	12.8845
Total	9.6000e-003	0.0955	0.0714	3.6000e-004	0.0241	5.3000e-004	0.0246	6.3600e-003	5.0000e-004	6.8600e-003	0.0000	34.6874	34.6874	2.3300e-003	0.0000	34.7457

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0569	0.4895	0.3984	5.9000e-004		0.0305	0.0305		0.0283	0.0283	0.0000	51.4518	51.4518	0.0154	0.0000	51.8361
Total	0.0569	0.4895	0.3984	5.9000e-004		0.0305	0.0305		0.0283	0.0283	0.0000	51.4518	51.4518	0.0154	0.0000	51.8361

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3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8100e-003	0.0633	0.0138	1.6000e-004	6.8800e-003	2.4000e-004	7.1100e-003	1.7900e-003	2.3000e-004	2.0200e-003	0.0000	16.1012	16.1012	1.4600e-003	0.0000	16.1376
Vendor	1.0100e-003	0.0270	7.2500e-003	6.0000e-005	1.1700e-003	1.9000e-004	1.3600e-003	3.5000e-004	1.8000e-004	5.3000e-004	0.0000	5.7121	5.7121	4.6000e-004	0.0000	5.7235
Worker	6.7800e-003	5.2000e-003	0.0503	1.4000e-004	0.0108	1.0000e-004	0.0109	2.9300e-003	9.0000e-005	3.0300e-003	0.0000	12.8741	12.8741	4.1000e-004	0.0000	12.8845
Total	9.6000e-003	0.0955	0.0714	3.6000e-004	0.0189	5.3000e-004	0.0194	5.0700e-003	5.0000e-004	5.5800e-003	0.0000	34.6874	34.6874	2.3300e-003	0.0000	34.7457

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1029	0.8965	0.7846	1.1800e-003		0.0531	0.0531		0.0493	0.0493	0.0000	101.5033	101.5033	0.0307	0.0000	102.2704
Total	0.1029	0.8965	0.7846	1.1800e-003		0.0531	0.0531		0.0493	0.0493	0.0000	101.5033	101.5033	0.0307	0.0000	102.2704

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3200e-003	0.1182	0.0271	3.2000e-004	9.7700e-003	3.7000e-004	0.0101	2.6000e-003	3.6000e-004	2.9600e-003	0.0000	32.0429	32.0429	2.8900e-003	0.0000	32.1150
Vendor	1.6500e-003	0.0493	0.0131	1.2000e-004	2.8700e-003	2.4000e-004	3.1100e-003	8.3000e-004	2.3000e-004	1.0600e-003	0.0000	11.4120	11.4120	8.7000e-004	0.0000	11.4339
Worker	0.0128	9.4400e-003	0.0926	2.8000e-004	0.0278	2.0000e-004	0.0280	7.3700e-003	1.8000e-004	7.5600e-003	0.0000	25.0807	25.0807	7.5000e-004	0.0000	25.0995
Total	0.0177	0.1769	0.1328	7.2000e-004	0.0404	8.1000e-004	0.0412	0.0108	7.7000e-004	0.0116	0.0000	68.5356	68.5356	4.5100e-003	0.0000	68.6484

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1029	0.8965	0.7846	1.1800e-003		0.0531	0.0531		0.0493	0.0493	0.0000	101.5032	101.5032	0.0307	0.0000	102.2703
Total	0.1029	0.8965	0.7846	1.1800e-003		0.0531	0.0531		0.0493	0.0493	0.0000	101.5032	101.5032	0.0307	0.0000	102.2703

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3200e-003	0.1182	0.0271	3.2000e-004	7.7700e-003	3.7000e-004	8.1400e-003	2.1100e-003	3.6000e-004	2.4700e-003	0.0000	32.0429	32.0429	2.8900e-003	0.0000	32.1150
Vendor	1.6500e-003	0.0493	0.0131	1.2000e-004	2.3600e-003	2.4000e-004	2.6000e-003	7.0000e-004	2.3000e-004	9.3000e-004	0.0000	11.4120	11.4120	8.7000e-004	0.0000	11.4339
Worker	0.0128	9.4400e-003	0.0926	2.8000e-004	0.0217	2.0000e-004	0.0219	5.9000e-003	1.8000e-004	6.0800e-003	0.0000	25.0807	25.0807	7.5000e-004	0.0000	25.0995
Total	0.0177	0.1769	0.1328	7.2000e-004	0.0319	8.1000e-004	0.0327	8.7100e-003	7.7000e-004	9.4800e-003	0.0000	68.5356	68.5356	4.5100e-003	0.0000	68.6484

3.5 Paving/Sidewalk Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0280	0.2504	0.2237	3.3000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	27.7691	27.7691	8.0000e-003	0.0000	27.9691
Paving	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0290	0.2504	0.2237	3.3000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	27.7691	27.7691	8.0000e-003	0.0000	27.9691

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3.5 Paving/Sidelwalk Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1600e-003	0.1479	0.0339	4.0000e-004	8.9000e-003	4.7000e-004	9.3600e-003	2.4400e-003	4.5000e-004	2.8900e-003	0.0000	40.1049	40.1049	3.6100e-003	0.0000	40.1952
Vendor	3.7000e-004	0.0111	2.9500e-003	3.0000e-005	6.5000e-004	5.0000e-005	7.0000e-004	1.9000e-004	5.0000e-005	2.4000e-004	0.0000	2.5727	2.5727	2.0000e-004	0.0000	2.5776
Worker	4.7900e-003	3.5500e-003	0.0348	1.0000e-004	0.0104	7.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8400e-003	0.0000	9.4234	9.4234	2.8000e-004	0.0000	9.4305
Total	9.3200e-003	0.1626	0.0716	5.3000e-004	0.0200	5.9000e-004	0.0206	5.4000e-003	5.7000e-004	5.9700e-003	0.0000	52.1010	52.1010	4.0900e-003	0.0000	52.2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0280	0.2504	0.2237	3.3000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	27.7691	27.7691	8.0000e-003	0.0000	27.9691
Paving	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0290	0.2504	0.2237	3.3000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	27.7691	27.7691	8.0000e-003	0.0000	27.9691

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3.5 Paving/Sidelwalk Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1600e-003	0.1479	0.0339	4.0000e-004	7.2300e-003	4.7000e-004	7.6900e-003	2.0300e-003	4.5000e-004	2.4800e-003	0.0000	40.1049	40.1049	3.6100e-003	0.0000	40.1952
Vendor	3.7000e-004	0.0111	2.9500e-003	3.0000e-005	5.3000e-004	5.0000e-005	5.9000e-004	1.6000e-004	5.0000e-005	2.1000e-004	0.0000	2.5727	2.5727	2.0000e-004	0.0000	2.5776
Worker	4.7900e-003	3.5500e-003	0.0348	1.0000e-004	8.1700e-003	7.0000e-005	8.2400e-003	2.2200e-003	7.0000e-005	2.2900e-003	0.0000	9.4234	9.4234	2.8000e-004	0.0000	9.4305
Total	9.3200e-003	0.1626	0.0716	5.3000e-004	0.0159	5.9000e-004	0.0165	4.4100e-003	5.7000e-004	4.9800e-003	0.0000	52.1010	52.1010	4.0900e-003	0.0000	52.2033

3.6 Architectural Finishes - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.0900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2700e-003	0.0815	0.0843	1.2000e-004		5.4700e-003	5.4700e-003		5.1400e-003	5.1400e-003	0.0000	10.3925	10.3925	2.6100e-003	0.0000	10.4577
Total	0.0124	0.0815	0.0843	1.2000e-004		5.4700e-003	5.4700e-003		5.1400e-003	5.1400e-003	0.0000	10.3925	10.3925	2.6100e-003	0.0000	10.4577

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3.6 Architectural Finishes - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.1000e-003	1.0900e-003	1.0000e-005	2.4000e-004	2.0000e-005	2.6000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.9499	0.9499	7.0000e-005	0.0000	0.9517
Worker	1.7700e-003	1.3100e-003	0.0128	4.0000e-005	3.8500e-003	3.0000e-005	3.8800e-003	1.0200e-003	3.0000e-005	1.0500e-003	0.0000	3.4794	3.4794	1.0000e-004	0.0000	3.4820
Total	1.9100e-003	5.4100e-003	0.0139	5.0000e-005	4.0900e-003	5.0000e-005	4.1400e-003	1.0900e-003	5.0000e-005	1.1400e-003	0.0000	4.4293	4.4293	1.7000e-004	0.0000	4.4337

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.0900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2700e-003	0.0815	0.0843	1.2000e-004		5.4700e-003	5.4700e-003		5.1400e-003	5.1400e-003	0.0000	10.3925	10.3925	2.6100e-003	0.0000	10.4577
Total	0.0124	0.0815	0.0843	1.2000e-004		5.4700e-003	5.4700e-003		5.1400e-003	5.1400e-003	0.0000	10.3925	10.3925	2.6100e-003	0.0000	10.4577

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3.6 Architectural Finishes - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.1000e-003	1.0900e-003	1.0000e-005	2.0000e-004	2.0000e-005	2.2000e-004	6.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.9499	0.9499	7.0000e-005	0.0000	0.9517
Worker	1.7700e-003	1.3100e-003	0.0128	4.0000e-005	3.0200e-003	3.0000e-005	3.0400e-003	8.2000e-004	3.0000e-005	8.4000e-004	0.0000	3.4794	3.4794	1.0000e-004	0.0000	3.4820
Total	1.9100e-003	5.4100e-003	0.0139	5.0000e-005	3.2200e-003	5.0000e-005	3.2600e-003	8.8000e-004	5.0000e-005	9.2000e-004	0.0000	4.4293	4.4293	1.7000e-004	0.0000	4.4337

3.6 Architectural Finishes - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1873	0.2123	3.0000e-004		0.0118	0.0118		0.0111	0.0111	0.0000	26.4197	26.4197	6.5600e-003	0.0000	26.5837
Total	0.0290	0.1873	0.2123	3.0000e-004		0.0118	0.0118		0.0111	0.0111	0.0000	26.4197	26.4197	6.5600e-003	0.0000	26.5837

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3.6 Architectural Finishes - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	9.4000e-003	2.5100e-003	2.0000e-005	6.1000e-004	2.0000e-005	6.3000e-004	1.8000e-004	2.0000e-005	1.9000e-004	0.0000	2.3922	2.3922	1.8000e-004	0.0000	2.3966
Worker	4.2400e-003	3.0300e-003	0.0305	9.0000e-005	9.7800e-003	7.0000e-005	9.8500e-003	2.6000e-003	6.0000e-005	2.6600e-003	0.0000	8.5464	8.5464	2.4000e-004	0.0000	8.5525
Total	4.5200e-003	0.0124	0.0330	1.1000e-004	0.0104	9.0000e-005	0.0105	2.7800e-003	8.0000e-005	2.8500e-003	0.0000	10.9386	10.9386	4.2000e-004	0.0000	10.9491

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1873	0.2123	3.0000e-004		0.0118	0.0118		0.0111	0.0111	0.0000	26.4197	26.4197	6.5600e-003	0.0000	26.5837
Total	0.0290	0.1873	0.2123	3.0000e-004		0.0118	0.0118		0.0111	0.0111	0.0000	26.4197	26.4197	6.5600e-003	0.0000	26.5837

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3.6 Architectural Finishes - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	9.4000e-003	2.5100e-003	2.0000e-005	5.0000e-004	2.0000e-005	5.2000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	2.3922	2.3922	1.8000e-004	0.0000	2.3966
Worker	4.2400e-003	3.0300e-003	0.0305	9.0000e-005	7.6700e-003	7.0000e-005	7.7300e-003	2.0800e-003	6.0000e-005	2.1400e-003	0.0000	8.5464	8.5464	2.4000e-004	0.0000	8.5525
Total	4.5200e-003	0.0124	0.0330	1.1000e-004	8.1700e-003	9.0000e-005	8.2500e-003	2.2300e-003	8.0000e-005	2.3100e-003	0.0000	10.9386	10.9386	4.2000e-004	0.0000	10.9491

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

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

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
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122

5.0 Energy Detail

Historical Energy Use: N

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5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0600e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Unmitigated	2.0600e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0400e-003					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	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Total	2.0700e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0400e-003					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	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Total	2.0700e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
