

Appendix A CalEEMod Emission Calculations



Carlsbad Park Drive Retaining wall - San Diego County APCD Air District, Winter

**Carlsbad Park Drive Retaining wall  
San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	5.29	Acre	5.29	230,432.40	0

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MMWhr)	720.49	CH4 Intensity (lb/MMWhr)	0.029	N2O Intensity (lb/MMWhr)	0.006
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**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational year 2023

Land Use - Conservative estimate of project site based on the BTR study area.

Construction Phase - Construction schedule information provided by the project applicant.

Off-road Equipment - Project specific construction equipment information provided by the project applicant.

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Off-road Equipment - Project specific construction equipment information provided by the project applicant.

Off-road Equipment - This phase only has vehicle trips associated with no off-road equipment.

Off-road Equipment - Project specific construction equipment information provided by the project applicant.

Off-road Equipment - Project specific construction equipment information provided by the project applicant.

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 Off-road Equipment - Project specific construction equipment information provided by the project applicant.  
 Trips and VMT - Trip information was provided by the project applicant.

Demolition - CalEEMod Defaults.

Grading - 3,000 CY of import.

Construction Off-road Equipment Mitigation - Vehicle speed and watering twice daily were assumed in compliance with SDAPCD fugitive dust rules

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	230.00	44.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	20.00	12.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	10.00	11.00
tblGrading	MaterialImported	0.00	3,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tbIOffRoadEquipment	UsageHours	6.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	7.00	8.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	7.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbIOffRoadEquipment	UsageHours	8.00	0.00
tbTripsAndVMT	Hauling TripLength	20.00	27.00
tbTripsAndVMT	Hauling TripLength	20.00	27.00
tbTripsAndVMT	Hauling TripLength	20.00	27.00
tbTripsAndVMT	Hauling TripLength	20.00	27.00
tbTripsAndVMT	Hauling TripLength	20.00	27.00
tbTripsAndVMT	Hauling TripLength	20.00	27.00
tbTripsAndVMT	Vendor TripNumber	0.00	2.00
tbTripsAndVMT	Vendor TripNumber	38.00	4.00
tbTripsAndVMT	Vendor TripNumber	0.00	2.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
2021	1.3217	12.6993	14.5461	0.0361	0.8239	0.5481	1.2739	0.2192	0.5043	0.6332	0.0000	3,813.820	3,813.8203	0.7186	0.0000	3,828.439
2022	1.0269	9.6718	14.4704	0.0242	0.1203	0.4560	0.5763	0.0322	0.4195	0.4518	0.0000	2,351.436	2,351.4368	0.7182	0.0000	2,369.393
<b>Maximum</b>	<b>1.3217</b>	<b>12.6993</b>	<b>14.5461</b>	<b>0.0361</b>	<b>0.8239</b>	<b>0.5481</b>	<b>1.2739</b>	<b>0.2192</b>	<b>0.5043</b>	<b>0.6332</b>	<b>0.0000</b>	<b>3,813.820</b>	<b>3,813.8203</b>	<b>0.7186</b>	<b>0.0000</b>	<b>3,828.439</b>

### Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
2021	1.3217	12.6993	14.5461	0.0361	0.8239	0.5481	1.2739	0.2192	0.5043	0.6332	0.0000	3,813.820	3,813.8203	0.7186	0.0000	3,828.439
2022	1.0269	9.6718	14.4704	0.0242	0.1203	0.4560	0.5763	0.0322	0.4195	0.4518	0.0000	2,351.436	2,351.4368	0.7182	0.0000	2,369.393
<b>Maximum</b>	<b>1.3217</b>	<b>12.6993</b>	<b>14.5461</b>	<b>0.0361</b>	<b>0.8239</b>	<b>0.5481</b>	<b>1.2739</b>	<b>0.2192</b>	<b>0.5043</b>	<b>0.6332</b>	<b>0.0000</b>	<b>3,813.820</b>	<b>3,813.8203</b>	<b>0.7186</b>	<b>0.0000</b>	<b>3,828.439</b>

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

### **2.2 Overall Operational** Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															

Area	0.1256	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1600e-003	0.0000	0.0000	1.2300e-003
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	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
<b>Total</b>	<b>0.1256</b>	<b>0.0000</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1600e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2300e-003</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Area	0.1256	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			1.1600e-003	0.0000		1.2300e-003
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
<b>Total</b>	<b>0.1256</b>	<b>0.0000</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>			<b>1.1600e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2300e-003</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/2/2021	8/16/2021	5	11	
2	Trenching	Trenching	8/17/2021	8/31/2021	5	11	
3	Demolition	Demolition	8/30/2021	9/15/2021	5	13	

4	Grading	9/16/2021	10/1/2021	5	12
5	Retaining Wall Construction	10/4/2021	12/2/2021	5	44
6	Sidewalk Paving	12/3/2021	1/3/2022	5	22
7	Landscaping	1/4/2022	2/1/2022	5	21
8	Architectural Coating (None required)	9/24/2022	9/23/2022	5	0

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 5.29**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 13,826**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Sweepers/Scrubbers	1	2.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Trenching	Excavators	1	8.00	158	0.38
Trenching	Sweepers/Scrubbers	1	2.00	64	0.46
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Demolition	Sweepers/Scrubbers	1	2.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	0	0.00	187	0.41
Grading	Rubber Tired Dozers	0	0.00	247	0.40
Grading	Sweepers/Scrubbers	1	2.00	64	0.46
Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37





**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2863	2.6677	3.7596	5.8000e-003		0.1423	0.1423		0.1309	0.1309		561.7361	561.7361	0.1817		566.2780
<b>Total</b>	<b>0.2863</b>	<b>2.6677</b>	<b>3.7596</b>	<b>5.8000e-003</b>	<b>0.0000</b>	<b>0.1423</b>	<b>0.1423</b>	<b>0.0000</b>	<b>0.1309</b>	<b>0.1309</b>		<b>561.7361</b>	<b>561.7361</b>	<b>0.1817</b>		<b>566.2780</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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
Worker	0.0196	0.0126	0.1247	3.8000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		38.2274	38.2274	1.1000e-003		38.2548
<b>Total</b>	<b>0.0196</b>	<b>0.0126</b>	<b>0.1247</b>	<b>3.8000e-004</b>	<b>0.0411</b>	<b>2.8000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.6000e-004</b>	<b>0.0112</b>		<b>38.2274</b>	<b>38.2274</b>	<b>1.1000e-003</b>		<b>38.2548</b>

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																

Category	lb/day										lb/day								
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000				0.0000
Off-Road	0.2863	2.6677	3.7596	5.8000e-003	0.1423	0.1423	0.1309	0.1309	0.1309	0.1309	0.1309	0.1309	0.0000	561.7361	561.7361	0.1817	0.1817		566.2780
<b>Total</b>	<b>0.2863</b>	<b>2.6677</b>	<b>3.7596</b>	<b>5.8000e-003</b>	<b>0.1423</b>	<b>0.1423</b>	<b>0.1309</b>	<b>0.1309</b>	<b>0.1309</b>	<b>0.1309</b>	<b>0.1309</b>	<b>0.1309</b>	<b>0.0000</b>	<b>561.7361</b>	<b>561.7361</b>	<b>0.1817</b>	<b>0.1817</b>		<b>566.2780</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0196	0.0126	0.1247	3.8000e-004	0.0411	2.8000e-004	0.0414	0.0109	2.6000e-004	0.0112		38.2274	38.2274	1.1000e-003		38.2548
<b>Total</b>	<b>0.0196</b>	<b>0.0126</b>	<b>0.1247</b>	<b>3.8000e-004</b>	<b>0.0411</b>	<b>2.8000e-004</b>	<b>0.0414</b>	<b>0.0109</b>	<b>2.6000e-004</b>	<b>0.0112</b>		<b>38.2274</b>	<b>38.2274</b>	<b>1.1000e-003</b>		<b>38.2548</b>

**3.3 Trenching - 2021**  
**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.4736	4.5635	6.0198	8.9100e-003		0.2540	0.2540		0.2337	0.2337		862.6362	862.6362	0.2790		869.6110
<b>Total</b>	<b>0.4736</b>	<b>4.5635</b>	<b>6.0198</b>	<b>8.9100e-003</b>		<b>0.2540</b>	<b>0.2540</b>		<b>0.2337</b>	<b>0.2337</b>		<b>862.6362</b>	<b>862.6362</b>	<b>0.2790</b>		<b>869.6110</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	6.3700e-003	0.2031	0.0578	5.3000e-004	0.0135	4.5000e-004	0.0140	3.9000e-003	4.3000e-004	4.3200e-003	56.7639	56.7639	56.7639	4.4200e-003		56.8744
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179	61.1638	61.1638	61.1638	1.7600e-003		61.2077
<b>Total</b>	<b>0.0378</b>	<b>0.2233</b>	<b>0.2573</b>	<b>1.1400e-003</b>	<b>0.0793</b>	<b>9.0000e-004</b>	<b>0.0802</b>	<b>0.0213</b>	<b>8.5000e-004</b>	<b>0.0222</b>	<b>117.9277</b>	<b>117.9277</b>	<b>117.9277</b>	<b>6.1800e-003</b>		<b>118.0822</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Off-Road	0.4736	4.5635	6.0198	8.9100e-003		0.2540	0.2540		0.2337	0.2337	0.0000	862.6362	862.6362	0.2790		869.6110
<b>Total</b>	<b>0.4736</b>	<b>4.5635</b>	<b>6.0198</b>	<b>8.9100e-003</b>		<b>0.2540</b>	<b>0.2540</b>		<b>0.2337</b>	<b>0.2337</b>	<b>0.0000</b>	<b>862.6362</b>	<b>862.6362</b>	<b>0.2790</b>		<b>869.6110</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3700e-003	0.2031	0.0578	5.3000e-004	0.0135	4.5000e-004	0.0140	3.9000e-003	4.3000e-004	4.3200e-003		56.7639	56.7639	4.4200e-003		56.8744
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179		61.1638	61.1638	1.7600e-003		61.2077
<b>Total</b>	<b>0.0378</b>	<b>0.2233</b>	<b>0.2573</b>	<b>1.1400e-003</b>	<b>0.0793</b>	<b>9.0000e-004</b>	<b>0.0802</b>	<b>0.0213</b>	<b>8.5000e-004</b>	<b>0.0222</b>		<b>117.9277</b>	<b>117.9277</b>	<b>6.1800e-003</b>		<b>118.0822</b>

### 3.4 Demolition - 2021

#### Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.3833	0.0000	0.3833	0.0581	0.0000	0.0581			0.0000			0.0000
Off-Road	0.3800	3.6156	4.8897	7.3600e-003		0.1982	0.1982		0.1823	0.1823		712.1861	712.1861	0.2303		717.9445
<b>Total</b>	<b>0.3800</b>	<b>3.6156</b>	<b>4.8897</b>	<b>7.3600e-003</b>	<b>0.3833</b>	<b>0.1982</b>	<b>0.5815</b>	<b>0.0581</b>	<b>0.1823</b>	<b>0.2404</b>		<b>712.1861</b>	<b>712.1861</b>	<b>0.2303</b>		<b>717.9445</b>

#### Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																

Hauling	0.0171	0.5617	0.1493	1.7500e-003	0.0417	1.8700e-003	0.0436	0.0114	1.7900e-003	0.0132	192.3442	192.3442	0.0171		192.7724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179	61.1638	61.1638	1.7600e-003		61.2077
<b>Total</b>	<b>0.0485</b>	<b>0.5819</b>	<b>0.3487</b>	<b>2.3600e-003</b>	<b>0.1074</b>	<b>2.3200e-003</b>	<b>0.1098</b>	<b>0.0289</b>	<b>2.2100e-003</b>	<b>0.0311</b>	<b>253.5080</b>	<b>253.5080</b>	<b>0.0189</b>		<b>253.9801</b>

### Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1725	0.0000	0.1725	0.0261	0.0000	0.0261			0.0000			0.0000
Off-Road	0.3800	3.6156	4.8897	7.3600e-003	0.1982	0.1982	0.1982	0.1823	0.1823	0.1823	0.0000	712.1861	712.1861	0.2303		717.9445
<b>Total</b>	<b>0.3800</b>	<b>3.6156</b>	<b>4.8897</b>	<b>7.3600e-003</b>	<b>0.1725</b>	<b>0.1982</b>	<b>0.3706</b>	<b>0.0261</b>	<b>0.1823</b>	<b>0.2084</b>	<b>0.0000</b>	<b>712.1861</b>	<b>712.1861</b>	<b>0.2303</b>		<b>717.9445</b>

### Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0171	0.5617	0.1493	1.7500e-003	0.0417	1.8700e-003	0.0436	0.0114	1.7900e-003	0.0132	192.3442	192.3442	192.3442	0.0171		192.7724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179	61.1638	61.1638	61.1638	1.7600e-003		61.2077
<b>Total</b>	<b>0.0485</b>	<b>0.5819</b>	<b>0.3487</b>	<b>2.3600e-003</b>	<b>0.1074</b>	<b>2.3200e-003</b>	<b>0.1098</b>	<b>0.0289</b>	<b>2.2100e-003</b>	<b>0.0311</b>	<b>253.5080</b>	<b>253.5080</b>	<b>253.5080</b>	<b>0.0189</b>		<b>253.9801</b>

### 3.5 Grading - 2021

#### Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5155	4.8211	7.0314	0.0110	0.2467	0.2467	0.2467	0.2270	0.2270	0.2270	1,061.928	0	1,061.9280	0.3435		1,070.514
<b>Total</b>	<b>0.5155</b>	<b>4.8211</b>	<b>7.0314</b>	<b>0.0110</b>	<b>0.0000</b>	<b>0.2467</b>	<b>0.2467</b>	<b>0.0000</b>	<b>0.2270</b>	<b>0.2270</b>	<b>1,061.928</b>	<b>0</b>	<b>1,061.9280</b>	<b>0.3435</b>		<b>1,070.514</b>
lb/day																
3																

#### Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.2391	7.8580	2.0882	0.0245	0.5837	0.0262	0.6098	0.1599	0.0250	0.1850	2,690.728	4	2,690.7284	0.2396		2,696.717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179	61.1638	61.1638	61.1638	1.7600e-003		61.2077
<b>Total</b>	<b>0.2705</b>	<b>7.8782</b>	<b>2.2877</b>	<b>0.0251</b>	<b>0.6494</b>	<b>0.0266</b>	<b>0.6760</b>	<b>0.1774</b>	<b>0.0254</b>	<b>0.2028</b>	<b>2,751.892</b>	<b>3</b>	<b>2,751.8923</b>	<b>0.2413</b>		<b>2,757.925</b>
lb/day																
4																

#### Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5155	4.8211	7.0314	0.0110	0.2467	0.2467	0.2467	0.2270	0.2270	0.2270	0.0000	1,061.928	1,061.9280	0.3435		1,070.514
<b>Total</b>	<b>0.5155</b>	<b>4.8211</b>	<b>7.0314</b>	<b>0.0110</b>	<b>0.0000</b>	<b>0.2467</b>	<b>0.2467</b>	<b>0.0000</b>	<b>0.2270</b>	<b>0.2270</b>	<b>0.0000</b>	<b>1,061.928</b>	<b>1,061.9280</b>	<b>0.3435</b>		<b>1,070.514</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.2391	7.8580	2.0882	0.0245	0.5837	0.0262	0.6098	0.1599	0.0250	0.1850		2,690.728	2,690.7284	0.2396		2,696.717
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0314	0.0202	0.1995	6.1000e-004	0.0657	4.5000e-004	0.0662	0.0174	4.2000e-004	0.0179		61.1638	61.1638	1.7600e-003		61.2077
<b>Total</b>	<b>0.2705</b>	<b>7.8782</b>	<b>2.2877</b>	<b>0.0251</b>	<b>0.6494</b>	<b>0.0266</b>	<b>0.6760</b>	<b>0.1774</b>	<b>0.0254</b>	<b>0.2028</b>		<b>2,751.892</b>	<b>2,751.8923</b>	<b>0.2413</b>		<b>2,757.925</b>

**3.6 Retaining Wall Construction - 2021**  
**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	0.9284	9.6704	9.0142	0.0167		0.4436	0.4436		0.4081	0.4081		1,620.666	1,620.6668	0.5242		1,633.770
<b>Total</b>												<b>8</b>				<b>7</b>



Total	0.9284	9.6704	9.0142	0.0167	0.4436	0.4436	0.4081	0.4081	1,620.6668	0.5242	1,633.7707
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**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.0271	8.9000e-004	0.0280	7.8000e-003	8.5000e-004	8.6500e-003		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.3805	0.2447	2.4185	7.4400e-003	0.7968	5.5000e-003	0.8023	0.2114	5.0700e-003	0.2164		741.6112	741.6112	0.0213		742.1438
<b>Total</b>	<b>0.3932</b>	<b>0.6509</b>	<b>2.5340</b>	<b>8.5000e-003</b>	<b>0.8239</b>	<b>6.3900e-003</b>	<b>0.8303</b>	<b>0.2192</b>	<b>5.9200e-003</b>	<b>0.2251</b>		<b>855.1389</b>	<b>855.1389</b>	<b>0.0302</b>		<b>855.8926</b>

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	0.9284	9.6704	9.0142	0.0167		0.4436	0.4436		0.4081	0.4081	0.0000	1,620.6668	1,620.6668	0.5242		1,633.7707
<b>Total</b>	<b>0.9284</b>	<b>9.6704</b>	<b>9.0142</b>	<b>0.0167</b>		<b>0.4436</b>	<b>0.4436</b>		<b>0.4081</b>	<b>0.4081</b>	<b>0.0000</b>	<b>1,620.6668</b>	<b>1,620.6668</b>	<b>0.5242</b>		<b>1,633.7707</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.0271	8.9000e-004	0.0280	7.8000e-003	8.5000e-004	8.6500e-003	113.5277	113.5277	113.5277	8.8400e-003		113.7488
Worker	0.3805	0.2447	2.4185	7.4400e-003	0.7968	5.5000e-003	0.8023	0.2114	5.0700e-003	0.2164	741.6112	741.6112	741.6112	0.0213		742.1438
<b>Total</b>	<b>0.3932</b>	<b>0.6509</b>	<b>2.5340</b>	<b>8.5000e-003</b>	<b>0.8239</b>	<b>6.3900e-003</b>	<b>0.8303</b>	<b>0.2192</b>	<b>5.9200e-003</b>	<b>0.2251</b>	<b>855.1389</b>	<b>855.1389</b>	<b>855.1389</b>	<b>0.0302</b>		<b>855.8926</b>

### 3.7 Sidewalk Paving - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Off-Road	1.1058	11.2240	14.1642	0.0227	0.5469	0.5469	0.5469	0.5031	0.5031	0.5031	2,199.225	1	2,199.2251	0.7113		2,217.0069
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1058</b>	<b>11.2240</b>	<b>14.1642</b>	<b>0.0227</b>	<b>0.5469</b>	<b>0.5469</b>	<b>0.5469</b>	<b>0.5031</b>	<b>0.5031</b>	<b>0.5031</b>	<b>2,199.225</b>	<b>1</b>	<b>2,199.2251</b>	<b>0.7113</b>		<b>2,217.0069</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3700e-003	0.2031	0.0578	5.3000e-004	0.0135	4.5000e-004	0.0140	3.9000e-003	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0328	0.3241	1.0000e-003	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0574</b>	<b>0.2359</b>	<b>0.3819</b>	<b>1.5300e-003</b>	<b>0.1203</b>	<b>1.1900e-003</b>	<b>0.1215</b>	<b>0.0322</b>	<b>1.1100e-003</b>	<b>0.0333</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.1058	11.2240	14.1642	0.0227	0.5469	0.5469	0.5469	0.5031	0.5031	0.5031	0.0000	2,199.2251	2,199.2251	0.7113		2,217.0069
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		1	0.0000			0.0000
<b>Total</b>	<b>1.1058</b>	<b>11.2240</b>	<b>14.1642</b>	<b>0.0227</b>	<b>0.5469</b>	<b>0.5469</b>	<b>0.5469</b>	<b>0.5031</b>	<b>0.5031</b>	<b>0.5031</b>	<b>0.0000</b>	<b>2,199.2251</b>	<b>2,199.2251</b>	<b>0.7113</b>		<b>2,217.0069</b>

### Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3700e-003	0.2031	0.0578	5.3000e-004	0.0135	4.5000e-004	0.0140	3.9000e-003	4.3000e-004	4.3200e-003	0.0000	56.7639	56.7639	4.4200e-003		56.8744
Worker	0.0510	0.0328	0.3241	1.0000e-003	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290	0.0000	99.3912	99.3912	2.8600e-003		99.4626
<b>Total</b>	<b>0.0574</b>	<b>0.2359</b>	<b>0.3819</b>	<b>1.5300e-003</b>	<b>0.1203</b>	<b>1.1900e-003</b>	<b>0.1215</b>	<b>0.0322</b>	<b>1.1100e-003</b>	<b>0.0333</b>	<b>0.0000</b>	<b>156.1550</b>	<b>156.1550</b>	<b>7.2800e-003</b>		<b>156.3370</b>

**3.7 Sidewalk Paving - 2022**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9727	9.4501	14.1149	0.0227		0.4549	0.4549		0.4185	0.4185		2,199.4679	2,199.4679	0.7114		2,217.2517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9727</b>	<b>9.4501</b>	<b>14.1149</b>	<b>0.0227</b>		<b>0.4549</b>	<b>0.4549</b>		<b>0.4185</b>	<b>0.4185</b>		<b>2,199.4679</b>	<b>2,199.4679</b>	<b>0.7114</b>		<b>2,217.2517</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9300e-003	0.1918	0.0547	5.2000e-004	0.0135	3.8000e-004	0.0139	3.9000e-003	3.7000e-004	4.2600e-003		56.2205	56.2205	4.2800e-003		56.3276
Worker	0.0483	0.0299	0.3008	9.6000e-004	0.1068	7.2000e-004	0.1075	0.0283	6.6000e-004	0.0290		95.7483	95.7483	2.6100e-003		95.8137
<b>Total</b>	<b>0.0543</b>	<b>0.2217</b>	<b>0.3555</b>	<b>1.4800e-003</b>	<b>0.1203</b>	<b>1.1000e-003</b>	<b>0.1214</b>	<b>0.0322</b>	<b>1.0300e-003</b>	<b>0.0333</b>		<b>151.9689</b>	<b>151.9689</b>	<b>6.8900e-003</b>		<b>152.1412</b>

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day																
Off-Road	0.9727	9.4501	14.1149	0.0227		0.4549	0.4549		0.4185	0.4185	0.0000	2,199.4679	2,199.4679	0.7114			2,217.2517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000	0.0000				0.0000
<b>Total</b>	<b>0.9727</b>	<b>9.4501</b>	<b>14.1149</b>	<b>0.0227</b>		<b>0.4549</b>	<b>0.4549</b>		<b>0.4185</b>	<b>0.4185</b>	<b>0.0000</b>	<b>2,199.4679</b>	<b>2,199.4679</b>	<b>0.7114</b>			<b>2,217.2517</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	5.9300e-003	0.1918	0.0547	5.2000e-004	0.0135	3.8000e-004	0.0139	3.9000e-003	3.7000e-004	4.2600e-003		56.2205	56.2205	4.2800e-003			56.3276
Worker	0.0483	0.0299	0.3008	9.6000e-004	0.1068	7.2000e-004	0.1075	0.0283	6.6000e-004	0.0290		95.7483	95.7483	2.6100e-003			95.8137
<b>Total</b>	<b>0.0543</b>	<b>0.2217</b>	<b>0.3555</b>	<b>1.4800e-003</b>	<b>0.1203</b>	<b>1.1000e-003</b>	<b>0.1214</b>	<b>0.0322</b>	<b>1.0300e-003</b>	<b>0.0333</b>		<b>151.9689</b>	<b>151.9689</b>	<b>6.8900e-003</b>			<b>152.1412</b>

**3.8 Landscaping - 2022**  
**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day																
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>					<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>			<b>0.0000</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling					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
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>					<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>			<b>0.0000</b>

**3.9 Architectural Coating (None required) - 2022**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



Category	lb/day										lb/day									
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

#### 4.0 Operational Detail - Mobile

##### 4.1 Mitigation Measures Mobile

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

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

##### 4.3 Trip Type Information





Other Non-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	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

Land Use	Natural Gas Use	lb/day																	
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e		
Other Non-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	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Mitigated	0.1256	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1600e-003	1.1600e-003	1.1600e-003	0.0000			1.2300e-003
Unmitigated	0.1256	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.1600e-003	1.1600e-003	1.1600e-003	0.0000			1.2300e-003

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day															
Architectural Coating	0.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1600e-003	1.1600e-003	0.0000		1.2300e-003
<b>Total</b>	<b>0.1256</b>	<b>0.0000</b>	<b>5.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>1.1600e-003</b>	<b>1.1600e-003</b>	<b>0.0000</b>		<b>1.2300e-003</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day															
Architectural Coating	0.0439					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0816					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1600e-003	1.1600e-003	0.0000		1.2300e-003
<b>Total</b>	<b>0.1256</b>	<b>0.0000</b>	<b>5.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>1.1600e-003</b>	<b>1.1600e-003</b>	<b>0.0000</b>		<b>1.2300e-003</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

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### 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

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