

Santa Claus Lane Streetscape Improvements Project - Santa Barbara-South of Santa Ynez Range County, Annual

Santa Claus Lane Streetscape Improvements Project
Santa Barbara-South of Santa Ynez Range County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	258.00	1000sqft	5.92	258,000.00	0
City Park	0.01	Acre	0.01	522.72	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	37
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - City Park Land Use Subtype used for 500 sq. ft. restroom facility

Construction Phase - Construction Phasing Timeline based on Public Works estimates

Off-road Equipment - Construction Equipment List provided by Public Works

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Off-road Equipment - Construction Equipment List provided by Public Works

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Off-road Equipment - Construction Equipment List provided by Public Works

Trips and VMT -

Demolition -

Grading - Area of disturbance = 257,595

15,400 CY cut

1,000 CY fill

Land Use Change - Project required to mitigated direct impacts to wetlands at 3:1 ratio pursuant to LCP Amendment

Sequestration -

Construction Off-road Equipment Mitigation - Project will follow Caltrans Standard Specifications (2018)

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

Energy Mitigation -

Water Mitigation - Project subject to WELO requirements

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	150.00
tblConstructionPhase	NumDays	20.00	110.00
tblConstructionPhase	NumDays	20.00	120.00
tblConstructionPhase	NumDays	20.00	40.00

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tblConstructionPhase	NumDays	10.00	100.00
tblConstructionPhase	PhaseEndDate	10/6/2020	11/9/2023
tblConstructionPhase	PhaseEndDate	8/11/2020	8/3/2023
tblConstructionPhase	PhaseEndDate	8/13/2019	3/3/2022
tblConstructionPhase	PhaseEndDate	9/24/2019	1/5/2023
tblConstructionPhase	PhaseEndDate	9/8/2020	9/28/2023
tblConstructionPhase	PhaseEndDate	8/27/2019	7/21/2022
tblConstructionPhase	PhaseStartDate	9/9/2020	9/29/2023
tblConstructionPhase	PhaseStartDate	9/25/2019	1/6/2023
tblConstructionPhase	PhaseStartDate	7/17/2019	10/1/2021
tblConstructionPhase	PhaseStartDate	8/28/2019	7/22/2022
tblConstructionPhase	PhaseStartDate	8/12/2020	8/4/2023
tblConstructionPhase	PhaseStartDate	8/14/2019	3/4/2022
tblGrading	AcresOfGrading	240.00	8.00
tblGrading	AcresOfGrading	150.00	0.00
tblGrading	MaterialExported	0.00	15,400.00
tblGrading	MaterialImported	0.00	1,000.00
tblLandUse	LandUseSquareFeet	435.60	522.72
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00

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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					
2021	0.1381	1.3275	1.0744	1.8400e-003	5.1000e-003	0.0680	0.0731	1.3500e-003	0.0635	0.0648	0.0000	160.9898	160.9898	0.0415	0.0000	162.0267
2022	0.5241	5.6144	3.8032	8.4600e-003	1.3410	0.2406	1.5816	0.7250	0.2226	0.9476	0.0000	752.1173	752.1173	0.2085	0.0000	757.3300
2023	0.3249	2.0186	2.2740	5.0500e-003	0.1161	0.0823	0.1984	0.0371	0.0779	0.1149	0.0000	447.9815	447.9815	0.0846	0.0000	450.0963
Maximum	0.5241	5.6144	3.8032	8.4600e-003	1.3410	0.2406	1.5816	0.7250	0.2226	0.9476	0.0000	752.1173	752.1173	0.2085	0.0000	757.3300

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					
2021	0.1381	1.3275	1.0744	1.8400e-003	4.2100e-003	0.0680	0.0722	1.1400e-003	0.0635	0.0646	0.0000	160.9896	160.9896	0.0415	0.0000	162.0265
2022	0.5241	5.6144	3.8032	8.4600e-003	1.3353	0.2406	1.5759	0.7236	0.2226	0.9462	0.0000	752.1165	752.1165	0.2085	0.0000	757.3292
2023	0.3249	2.0186	2.2740	5.0500e-003	0.1014	0.0823	0.1836	0.0334	0.0779	0.1113	0.0000	447.9811	447.9811	0.0846	0.0000	450.0959
Maximum	0.5241	5.6144	3.8032	8.4600e-003	1.3353	0.2406	1.5759	0.7236	0.2226	0.9462	0.0000	752.1165	752.1165	0.2085	0.0000	757.3292

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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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	1.46	0.00	1.15	0.69	0.00	0.46	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)
9	7-17-2021	10-16-2021	0.2538	0.2538
10	10-17-2021	1-16-2022	1.4181	1.4181
11	1-17-2022	4-16-2022	1.2731	1.2731
12	4-17-2022	7-16-2022	1.3699	1.3699
13	7-17-2022	10-16-2022	1.7939	1.7939
14	10-17-2022	1-16-2023	1.6822	1.6822
15	1-17-2023	4-16-2023	0.7750	0.7750
16	4-17-2023	7-16-2023	0.7822	0.7822
17	7-17-2023	9-30-2023	0.4435	0.4435
		Highest	1.7939	1.7939

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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	0.0284	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.9100e-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	2.0000e-005	6.0000e-005	1.7000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0418	0.0418	0.0000	0.0000	0.0419
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	0.0133	0.0133	0.0000	0.0000	0.0133
Total	0.0284	8.0000e-005	2.5400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.0597	0.0597	1.0000e-005	0.0000	0.0601

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	0.0000
Total	0.0000

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	10/1/2021	3/3/2022	5	110	
2	Site Preparation	Site Preparation	3/4/2022	7/21/2022	5	100	
3	Grading	Grading	7/22/2022	1/5/2023	5	120	
4	Building Construction	Building Construction	1/6/2023	8/3/2023	5	150	
5	Paving	Paving	8/4/2023	9/28/2023	5	40	
6	Architectural Coating	Architectural Coating	9/29/2023	11/9/2023	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 5.92

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Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 750; Non-Residential Outdoor: 250; Striped Parking Area: 15,480 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

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Paving	Rollers	2	8.00	80	0.38
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	2	8.00	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	10	25.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	8	20.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	1,925.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	109.00	42.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

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3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1357	1.3255	1.0567	1.8000e-003		0.0680	0.0680		0.0635	0.0635	0.0000	156.9695	156.9695	0.0414	0.0000	158.0033
Total	0.1357	1.3255	1.0567	1.8000e-003		0.0680	0.0680		0.0635	0.0635	0.0000	156.9695	156.9695	0.0414	0.0000	158.0033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.4600e-003	1.9900e-003	0.0177	4.0000e-005	5.1000e-003	3.0000e-005	5.1300e-003	1.3500e-003	3.0000e-005	1.3800e-003	0.0000	4.0203	4.0203	1.3000e-004	0.0000	4.0234
Total	2.4600e-003	1.9900e-003	0.0177	4.0000e-005	5.1000e-003	3.0000e-005	5.1300e-003	1.3500e-003	3.0000e-005	1.3800e-003	0.0000	4.0203	4.0203	1.3000e-004	0.0000	4.0234

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1357	1.3255	1.0567	1.8000e-003		0.0680	0.0680		0.0635	0.0635	0.0000	156.9693	156.9693	0.0414	0.0000	158.0031
Total	0.1357	1.3255	1.0567	1.8000e-003		0.0680	0.0680		0.0635	0.0635	0.0000	156.9693	156.9693	0.0414	0.0000	158.0031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.4600e-003	1.9900e-003	0.0177	4.0000e-005	4.2100e-003	3.0000e-005	4.2500e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	4.0203	4.0203	1.3000e-004	0.0000	4.0234
Total	2.4600e-003	1.9900e-003	0.0177	4.0000e-005	4.2100e-003	3.0000e-005	4.2500e-003	1.1400e-003	3.0000e-005	1.1700e-003	0.0000	4.0203	4.0203	1.3000e-004	0.0000	4.0234

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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					
Off-Road	0.0768	0.7380	0.6814	1.2000e-003		0.0366	0.0366		0.0342	0.0342	0.0000	104.6434	104.6434	0.0275	0.0000	105.3305
Total	0.0768	0.7380	0.6814	1.2000e-003		0.0366	0.0366		0.0342	0.0342	0.0000	104.6434	104.6434	0.0275	0.0000	105.3305

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5300e-003	1.1900e-003	0.0107	3.0000e-005	3.4000e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.5846	2.5846	7.0000e-005	0.0000	2.5865
Total	1.5300e-003	1.1900e-003	0.0107	3.0000e-005	3.4000e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.5846	2.5846	7.0000e-005	0.0000	2.5865

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3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0768	0.7380	0.6814	1.2000e-003		0.0366	0.0366		0.0342	0.0342	0.0000	104.6433	104.6433	0.0275	0.0000	105.3303
Total	0.0768	0.7380	0.6814	1.2000e-003		0.0366	0.0366		0.0342	0.0342	0.0000	104.6433	104.6433	0.0275	0.0000	105.3303

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5300e-003	1.1900e-003	0.0107	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.5846	2.5846	7.0000e-005	0.0000	2.5865
Total	1.5300e-003	1.1900e-003	0.0107	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.5846	2.5846	7.0000e-005	0.0000	2.5865

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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					0.6022	0.0000	0.6022	0.3310	0.0000	0.3310	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1784	1.9246	1.2107	2.5700e-003		0.0856	0.0856		0.0787	0.0787	0.0000	225.4626	225.4626	0.0729	0.0000	227.2856
Total	0.1784	1.9246	1.2107	2.5700e-003	0.6022	0.0856	0.6878	0.3310	0.0787	0.4098	0.0000	225.4626	225.4626	0.0729	0.0000	227.2856

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.7700e-003	2.1600e-003	0.0195	5.0000e-005	6.1800e-003	4.0000e-005	6.2100e-003	1.6400e-003	3.0000e-005	1.6800e-003	0.0000	4.6993	4.6993	1.4000e-004	0.0000	4.7027
Total	2.7700e-003	2.1600e-003	0.0195	5.0000e-005	6.1800e-003	4.0000e-005	6.2100e-003	1.6400e-003	3.0000e-005	1.6800e-003	0.0000	4.6993	4.6993	1.4000e-004	0.0000	4.7027

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3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6022	0.0000	0.6022	0.3310	0.0000	0.3310	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1784	1.9246	1.2107	2.5700e-003		0.0856	0.0856		0.0787	0.0787	0.0000	225.4623	225.4623	0.0729	0.0000	227.2853
Total	0.1784	1.9246	1.2107	2.5700e-003	0.6022	0.0856	0.6878	0.3310	0.0787	0.4098	0.0000	225.4623	225.4623	0.0729	0.0000	227.2853

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.7700e-003	2.1600e-003	0.0195	5.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3800e-003	3.0000e-005	1.4100e-003	0.0000	4.6993	4.6993	1.4000e-004	0.0000	4.7027
Total	2.7700e-003	2.1600e-003	0.0195	5.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3800e-003	3.0000e-005	1.4100e-003	0.0000	4.6993	4.6993	1.4000e-004	0.0000	4.7027

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3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7040	0.0000	0.7040	0.3846	0.0000	0.3846	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2539	2.7058	1.7758	3.8400e-003		0.1174	0.1174		0.1087	0.1087	0.0000	336.9216	336.9216	0.1006	0.0000	339.4362
Total	0.2539	2.7058	1.7758	3.8400e-003	0.7040	0.1174	0.8214	0.3846	0.1087	0.4934	0.0000	336.9216	336.9216	0.1006	0.0000	339.4362

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6700e-003	0.2396	0.0768	7.0000e-004	0.0163	8.7000e-004	0.0171	4.4500e-003	8.4000e-004	5.2800e-003	0.0000	70.9918	70.9918	7.1200e-003	0.0000	71.1698
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	4.0200e-003	3.1300e-003	0.0283	8.0000e-005	8.9600e-003	5.0000e-005	9.0100e-003	2.3800e-003	5.0000e-005	2.4300e-003	0.0000	6.8140	6.8140	2.0000e-004	0.0000	6.8189
Total	0.0107	0.2427	0.1051	7.8000e-004	0.0252	9.2000e-004	0.0262	6.8300e-003	8.9000e-004	7.7100e-003	0.0000	77.8058	77.8058	7.3200e-003	0.0000	77.9887

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3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7040	0.0000	0.7040	0.3846	0.0000	0.3846	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2539	2.7058	1.7758	3.8400e-003		0.1174	0.1174		0.1087	0.1087	0.0000	336.9212	336.9212	0.1006	0.0000	339.4358
Total	0.2539	2.7058	1.7758	3.8400e-003	0.7040	0.1174	0.8214	0.3846	0.1087	0.4934	0.0000	336.9212	336.9212	0.1006	0.0000	339.4358

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6700e-003	0.2396	0.0768	7.0000e-004	0.0138	8.7000e-004	0.0147	3.8400e-003	8.4000e-004	4.6700e-003	0.0000	70.9918	70.9918	7.1200e-003	0.0000	71.1698
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	4.0200e-003	3.1300e-003	0.0283	8.0000e-005	7.4000e-003	5.0000e-005	7.4600e-003	2.0000e-003	5.0000e-005	2.0500e-003	0.0000	6.8140	6.8140	2.0000e-004	0.0000	6.8189
Total	0.0107	0.2427	0.1051	7.8000e-004	0.0212	9.2000e-004	0.0221	5.8400e-003	8.9000e-004	6.7200e-003	0.0000	77.8058	77.8058	7.3200e-003	0.0000	77.9887

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3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0139	0.0000	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0812	0.0587	1.3000e-004		3.4000e-003	3.4000e-003		3.1500e-003	3.1500e-003	0.0000	11.6180	11.6180	3.4600e-003	0.0000	11.7046
Total	7.8000e-003	0.0812	0.0587	1.3000e-004	0.0295	3.4000e-003	0.0329	0.0139	3.1500e-003	0.0170	0.0000	11.6180	11.6180	3.4600e-003	0.0000	11.7046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7000e-004	6.2200e-003	2.4800e-003	2.0000e-005	0.0125	2.0000e-005	0.0126	3.0900e-003	1.0000e-005	3.1100e-003	0.0000	2.3844	2.3844	2.5000e-004	0.0000	2.3905
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	8.9000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2262	0.2262	1.0000e-005	0.0000	0.2263
Total	3.0000e-004	6.3200e-003	3.3700e-003	2.0000e-005	0.0129	2.0000e-005	0.0129	3.1700e-003	1.0000e-005	3.1900e-003	0.0000	2.6105	2.6105	2.6000e-004	0.0000	2.6168

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3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0139	0.0000	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0812	0.0587	1.3000e-004		3.4000e-003	3.4000e-003		3.1500e-003	3.1500e-003	0.0000	11.6180	11.6180	3.4600e-003	0.0000	11.7046
Total	7.8000e-003	0.0812	0.0587	1.3000e-004	0.0295	3.4000e-003	0.0329	0.0139	3.1500e-003	0.0170	0.0000	11.6180	11.6180	3.4600e-003	0.0000	11.7046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7000e-004	6.2200e-003	2.4800e-003	2.0000e-005	0.0101	2.0000e-005	0.0101	2.4800e-003	1.0000e-005	2.5000e-003	0.0000	2.3844	2.3844	2.5000e-004	0.0000	2.3905
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	8.9000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2262	0.2262	1.0000e-005	0.0000	0.2263
Total	3.0000e-004	6.3200e-003	3.3700e-003	2.0000e-005	0.0103	2.0000e-005	0.0103	2.5500e-003	1.0000e-005	2.5700e-003	0.0000	2.6105	2.6105	2.6000e-004	0.0000	2.6168

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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	0.1493	1.3635	1.5601	3.1100e-003		0.0626	0.0626		0.0595	0.0595	0.0000	268.4553	268.4553	0.0601	0.0000	269.9580
Total	0.1493	1.3635	1.5601	3.1100e-003		0.0626	0.0626		0.0595	0.0595	0.0000	268.4553	268.4553	0.0601	0.0000	269.9580

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.5000e-003	0.2524	0.0903	7.1000e-004	0.0183	4.0000e-004	0.0187	5.2800e-003	3.8000e-004	5.6700e-003	0.0000	70.9641	70.9641	5.3900e-003	0.0000	71.0989
Worker	0.0212	0.0158	0.1456	4.1000e-004	0.0505	3.0000e-004	0.0508	0.0134	2.8000e-004	0.0137	0.0000	36.9811	36.9811	9.9000e-004	0.0000	37.0057
Total	0.0287	0.2682	0.2359	1.1200e-003	0.0688	7.0000e-004	0.0695	0.0187	6.6000e-004	0.0194	0.0000	107.9452	107.9452	6.3800e-003	0.0000	108.1046

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3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1493	1.3635	1.5601	3.1100e-003		0.0626	0.0626		0.0595	0.0595	0.0000	268.4549	268.4549	0.0601	0.0000	269.9576
Total	0.1493	1.3635	1.5601	3.1100e-003		0.0626	0.0626		0.0595	0.0595	0.0000	268.4549	268.4549	0.0601	0.0000	269.9576

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.5000e-003	0.2524	0.0903	7.1000e-004	0.0157	4.0000e-004	0.0161	4.6500e-003	3.8000e-004	5.0300e-003	0.0000	70.9641	70.9641	5.3900e-003	0.0000	71.0989
Worker	0.0212	0.0158	0.1456	4.1000e-004	0.0418	3.0000e-004	0.0421	0.0113	2.8000e-004	0.0116	0.0000	36.9811	36.9811	9.9000e-004	0.0000	37.0057
Total	0.0287	0.2682	0.2359	1.1200e-003	0.0575	7.0000e-004	0.0582	0.0159	6.6000e-004	0.0166	0.0000	107.9452	107.9452	6.3800e-003	0.0000	108.1046

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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	0.0258	0.2457	0.3294	5.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.5658	43.5658	0.0137	0.0000	43.9080
Paving	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0336	0.2457	0.3294	5.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.5658	43.5658	0.0137	0.0000	43.9080

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1900e-003	8.9000e-004	8.2000e-003	2.0000e-005	2.8400e-003	2.0000e-005	2.8600e-003	7.6000e-004	2.0000e-005	7.7000e-004	0.0000	2.0809	2.0809	6.0000e-005	0.0000	2.0823
Total	1.1900e-003	8.9000e-004	8.2000e-003	2.0000e-005	2.8400e-003	2.0000e-005	2.8600e-003	7.6000e-004	2.0000e-005	7.7000e-004	0.0000	2.0809	2.0809	6.0000e-005	0.0000	2.0823

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3.6 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0258	0.2457	0.3294	5.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.5657	43.5657	0.0137	0.0000	43.9079
Paving	7.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0336	0.2457	0.3294	5.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	43.5657	43.5657	0.0137	0.0000	43.9079

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1900e-003	8.9000e-004	8.2000e-003	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.0809	2.0809	6.0000e-005	0.0000	2.0823
Total	1.1900e-003	8.9000e-004	8.2000e-003	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.0809	2.0809	6.0000e-005	0.0000	2.0823

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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	0.0955					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6700e-003	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283
Total	0.1032	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.4000e-004	5.8800e-003	2.0000e-005	2.0400e-003	1.0000e-005	2.0500e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.4928	1.4928	4.0000e-005	0.0000	1.4938
Total	8.5000e-004	6.4000e-004	5.8800e-003	2.0000e-005	2.0400e-003	1.0000e-005	2.0500e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.4928	1.4928	4.0000e-005	0.0000	1.4938

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3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0955					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6700e-003	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283
Total	0.1032	0.0521	0.0724	1.2000e-004		2.8300e-003	2.8300e-003		2.8300e-003	2.8300e-003	0.0000	10.2130	10.2130	6.1000e-004	0.0000	10.2283

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.4000e-004	5.8800e-003	2.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4928	1.4928	4.0000e-005	0.0000	1.4938
Total	8.5000e-004	6.4000e-004	5.8800e-003	2.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4928	1.4928	4.0000e-005	0.0000	1.4938

4.0 Operational Detail - Mobile

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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	2.0000e-005	6.0000e-005	1.7000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0418	0.0418	0.0000	0.0000	0.0419
Unmitigated	2.0000e-005	6.0000e-005	1.7000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0418	0.0418	0.0000	0.0000	0.0419

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.02	0.23	0.17	112	112
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.02	0.23	0.17	112	112

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
City Park	6.60	5.50	6.40	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
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

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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	0.0284	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.9100e-003
Unmitigated	0.0284	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.9100e-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	tons/yr										MT/yr					
Architectural Coating	9.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0186					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.2000e-004	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.9100e-003
Total	0.0284	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.9100e-003

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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	9.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0186					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.2000e-004	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.9100e-003
Total	0.0284	2.0000e-005	2.3700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.9100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Landscaping

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0133	0.0000	0.0000	0.0133
Unmitigated	0.0133	0.0000	0.0000	0.0133

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.0119148	0.0133	0.0000	0.0000	0.0133
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0133	0.0000	0.0000	0.0133

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.0119148	0.0133	0.0000	0.0000	0.0133
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0133	0.0000	0.0000	0.0133

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			
City Park	0	0.0000	0.0000	0.0000	0.0000
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			
City Park	0	0.0000	0.0000	0.0000	0.0000
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

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

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Wetlands	0.28 / 0.74	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000