

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	30.00
tblConstructionPhase	PhaseEndDate	4/30/2021	6/11/2021
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8246	8.4850	7.6167	0.0135	0.1127	0.4492	0.5619	0.0306	0.4133	0.4439	0.0000	1,321.8131	1,321.8131	0.3644	0.0000	1,330.9239
Maximum	0.8246	8.4850	7.6167	0.0135	0.1127	0.4492	0.5619	0.0306	0.4133	0.4439	0.0000	1,321.8131	1,321.8131	0.3644	0.0000	1,330.9239

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	lb/day										lb/day					
2021	0.8246	8.4850	7.6167	0.0135	0.1127	0.4492	0.5619	0.0306	0.4133	0.4439	0.0000	1,321.8131	1,321.8131	0.3644	0.0000	1,330.9239
Maximum	0.8246	8.4850	7.6167	0.0135	0.1127	0.4492	0.5619	0.0306	0.4133	0.4439	0.0000	1,321.8131	1,321.8131	0.3644	0.0000	1,330.9239

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/1/2021	6/11/2021	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Excavators	1	4.00	158	0.38
Architectural Coating	Rollers	1	4.00	80	0.38
Architectural Coating	Paving Equipment	2	4.00	132	0.36
Architectural Coating	Plate Compactors	2	2.00	8	0.43
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Architectural Coating	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

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
Building Construction	5	10.00	4.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4900e-003	0.0497	8.1500e-003	1.6000e-004	3.5000e-003	1.6000e-004	3.6600e-003	9.6000e-004	1.6000e-004	1.1200e-003		17.1291	17.1291	5.2000e-004		17.1421
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0496	0.5000	0.3530	2.1200e-003	0.1127	1.6500e-003	0.1144	0.0306	1.5700e-003	0.0321		218.5974	218.5974	7.6300e-003		218.7881

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4900e-003	0.0497	8.1500e-003	1.6000e-004	3.5000e-003	1.6000e-004	3.6600e-003	9.6000e-004	1.6000e-004	1.1200e-003		17.1291	17.1291	5.2000e-004		17.1421
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0496	0.5000	0.3530	2.1200e-003	0.1127	1.6500e-003	0.1144	0.0306	1.5700e-003	0.0321		218.5974	218.5974	7.6300e-003		218.7881

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

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Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_New Bridge 13
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, August 2014.

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	40.00
tblOffRoadEquipment	HorsePower	221.00	89.00
tblOffRoadEquipment	HorsePower	158.00	97.00
tblOffRoadEquipment	LoadFactor	0.50	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.3583	13.9679	12.4393	0.0234	0.1106	0.6804	0.7910	0.0300	0.6403	0.6702	0.0000	2,263.3534	2,263.3534	0.5046	0.0000	2,275.9675
Maximum	1.3583	13.9679	12.4393	0.0234	0.1106	0.6804	0.7910	0.0300	0.6403	0.6702	0.0000	2,263.3534	2,263.3534	0.5046	0.0000	2,275.9675

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	lb/day										lb/day					
2021	1.3583	13.9679	12.4393	0.0234	0.1106	0.6804	0.7910	0.0300	0.6403	0.6702	0.0000	2,263.3534	2,263.3534	0.5046	0.0000	2,275.9675
Maximum	1.3583	13.9679	12.4393	0.0234	0.1106	0.6804	0.7910	0.0300	0.6403	0.6702	0.0000	2,263.3534	2,263.3534	0.5046	0.0000	2,275.9675

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/1/2021	6/25/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	89	0.20
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	97	0.37
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Paving Equipment	1	2.00	132	0.36
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	4.80	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.80	97	0.37

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

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
Building Construction	7	10.00	4.00	3.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3096	13.4990	12.0914	0.0214		0.6789	0.6789		0.6388	0.6388		2,055.4617	2,055.4617	0.4973		2,067.8933
Total	1.3096	13.4990	12.0914	0.0214		0.6789	0.6789		0.6388	0.6388		2,055.4617	2,055.4617	0.4973		2,067.8933

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.6000e-004	0.0187	3.0600e-003	6.0000e-005	1.3100e-003	6.0000e-005	1.3700e-003	3.6000e-004	6.0000e-005	4.2000e-004		6.4234	6.4234	2.0000e-004		6.4283
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0487	0.4690	0.3479	2.0200e-003	0.1106	1.5500e-003	0.1121	0.0300	1.4700e-003	0.0314		207.8917	207.8917	7.3100e-003		208.0743

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3096	13.4990	12.0914	0.0214		0.6789	0.6789		0.6388	0.6388	0.0000	2,055.4617	2,055.4617	0.4973		2,067.8933
Total	1.3096	13.4990	12.0914	0.0214		0.6789	0.6789		0.6388	0.6388	0.0000	2,055.4617	2,055.4617	0.4973		2,067.8933

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.6000e-004	0.0187	3.0600e-003	6.0000e-005	1.3100e-003	6.0000e-005	1.3700e-003	3.6000e-004	6.0000e-005	4.2000e-004		6.4234	6.4234	2.0000e-004		6.4283
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0487	0.4690	0.3479	2.0200e-003	0.1106	1.5500e-003	0.1121	0.0300	1.4700e-003	0.0314		207.8917	207.8917	7.3100e-003		208.0743

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_New Bridge 13 - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment B_Clearing and Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B provided by Psomas, August 2014.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B provided by Psomas, August 2014.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, August 2014.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	15.00
tblGrading	AcresOfGrading	3.75	4.00
tblOffRoadEquipment	HorsePower	172.00	88.00
tblOffRoadEquipment	HorsePower	80.00	247.00
tblOffRoadEquipment	LoadFactor	0.42	0.34
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.70
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.70
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	25.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.6271	17.0297	11.7699	0.0297	0.3944	0.7736	1.1680	0.0608	0.7118	0.7725	0.0000	2,891.8836	2,891.8836	0.8739	0.0000	2,913.7310
Maximum	1.6271	17.0297	11.7699	0.0297	0.3944	0.7736	1.1680	0.0608	0.7118	0.7725	0.0000	2,891.8836	2,891.8836	0.8739	0.0000	2,913.7310

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	lb/day										lb/day					
2021	1.6271	17.0297	11.7699	0.0297	0.3944	0.7736	1.1680	0.0608	0.7118	0.7725	0.0000	2,891.8836	2,891.8836	0.8739	0.0000	2,913.7310
Maximum	1.6271	17.0297	11.7699	0.0297	0.3944	0.7736	1.1680	0.0608	0.7118	0.7725	0.0000	2,891.8836	2,891.8836	0.8739	0.0000	2,913.7310

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2021	4/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	4.70	158	0.38
Grading	Graders	1	4.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Other Construction Equipment	4	4.00	88	0.34
Grading	Rollers	2	4.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	2.70	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

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
Grading	10	10.00	4.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2828	0.0000	0.2828	0.0305	0.0000	0.0305			0.0000			0.0000
Off-Road	1.5780	16.5463	11.4197	0.0277		0.7720	0.7720		0.7103	0.7103		2,678.9959	2,678.9959	0.8664		2,700.6570
Total	1.5780	16.5463	11.4197	0.0277	0.2828	0.7720	1.0548	0.0305	0.7103	0.7408		2,678.9959	2,678.9959	0.8664		2,700.6570

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Grading - 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	lb/day										lb/day					
Hauling	9.9000e-004	0.0332	5.4300e-003	1.1000e-004	2.3300e-003	1.1000e-004	2.4400e-003	6.4000e-004	1.0000e-004	7.4000e-004		11.4194	11.4194	3.5000e-004		11.4281
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0491	0.4835	0.3503	2.0700e-003	0.1116	1.6000e-003	0.1132	0.0302	1.5100e-003	0.0317		212.8876	212.8876	7.4600e-003		213.0740

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2828	0.0000	0.2828	0.0305	0.0000	0.0305			0.0000			0.0000
Off-Road	1.5780	16.5463	11.4197	0.0277		0.7720	0.7720		0.7103	0.7103	0.0000	2,678.9959	2,678.9959	0.8664		2,700.6570
Total	1.5780	16.5463	11.4197	0.0277	0.2828	0.7720	1.0548	0.0305	0.7103	0.7408	0.0000	2,678.9959	2,678.9959	0.8664		2,700.6570

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Grading - 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	lb/day										lb/day					
Hauling	9.9000e-004	0.0332	5.4300e-003	1.1000e-004	2.3300e-003	1.1000e-004	2.4400e-003	6.4000e-004	1.0000e-004	7.4000e-004		11.4194	11.4194	3.5000e-004		11.4281
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0491	0.4835	0.3503	2.0700e-003	0.1116	1.6000e-003	0.1132	0.0302	1.5100e-003	0.0317		212.8876	212.8876	7.4600e-003		213.0740

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Unmitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	7.56	91.00	66.96	59,703	59,703
Total	7.56	91.00	66.96	59,703	59,703

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MWhr)	793.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - No grading

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	15.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.3997	3.7486	3.8997	9.3700e-003	0.1092	0.1517	0.2610	0.0296	0.1396	0.1692	0.0000	918.5998	918.5998	0.2390	0.0000	924.5760
Maximum	0.3997	3.7486	3.8997	9.3700e-003	0.1092	0.1517	0.2610	0.0296	0.1396	0.1692	0.0000	918.5998	918.5998	0.2390	0.0000	924.5760

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	lb/day										lb/day					
2021	0.3997	3.7486	3.8997	9.3700e-003	0.1092	0.1517	0.2610	0.0296	0.1396	0.1692	0.0000	918.5998	918.5998	0.2390	0.0000	924.5760
Maximum	0.3997	3.7486	3.8997	9.3700e-003	0.1092	0.1517	0.2610	0.0296	0.1396	0.1692	0.0000	918.5998	918.5998	0.2390	0.0000	924.5760

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2021	5/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	2.00	158	0.38
Site Preparation	Off-Highway Trucks	1	2.00	402	0.38
Site Preparation	Paving Equipment	2	2.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

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
Site Preparation	5	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3516	3.2983	3.5548	7.4100e-003		0.1502	0.1502		0.1382	0.1382		717.1316	717.1316	0.2319		722.9300
Total	0.3516	3.2983	3.5548	7.4100e-003	0.0000	0.1502	0.1502	0.0000	0.1382	0.1382		717.1316	717.1316	0.2319		722.9300

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0481	0.4503	0.3449	1.9600e-003	0.1092	1.4900e-003	0.1107	0.0296	1.4100e-003	0.0310		201.4682	201.4682	7.1100e-003		201.6460

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3516	3.2983	3.5548	7.4100e-003		0.1502	0.1502		0.1382	0.1382	0.0000	717.1316	717.1316	0.2319		722.9300
Total	0.3516	3.2983	3.5548	7.4100e-003	0.0000	0.1502	0.1502	0.0000	0.1382	0.1382	0.0000	717.1316	717.1316	0.2319		722.9300

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0481	0.4503	0.3449	1.9600e-003	0.1092	1.4900e-003	0.1107	0.0296	1.4100e-003	0.0310		201.4682	201.4682	7.1100e-003		201.6460

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment B_Finish Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, August 2014.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	10.00
tblGrading	AcresOfGrading	2.50	4.00
tblOffRoadEquipment	HorsePower	402.00	158.00
tblOffRoadEquipment	HorsePower	80.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8588	9.9194	6.2633	0.0180	0.5352	0.3524	0.8876	0.0759	0.3243	0.4001	0.0000	1,755.3637	1,755.3637	0.5072	0.0000	1,768.0428
Maximum	0.8588	9.9194	6.2633	0.0180	0.5352	0.3524	0.8876	0.0759	0.3243	0.4001	0.0000	1,755.3637	1,755.3637	0.5072	0.0000	1,768.0428

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	lb/day										lb/day					
2021	0.8588	9.9194	6.2633	0.0180	0.5352	0.3524	0.8876	0.0759	0.3243	0.4001	0.0000	1,755.3637	1,755.3637	0.5072	0.0000	1,768.0428
Maximum	0.8588	9.9194	6.2633	0.0180	0.5352	0.3524	0.8876	0.0759	0.3243	0.4001	0.0000	1,755.3637	1,755.3637	0.5072	0.0000	1,768.0428

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	5/1/2021	5/14/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	4.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	158	0.38
Grading	Rollers	2	4.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

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
Grading	5	10.00	4.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4242	0.0000	0.4242	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	0.8099	9.4442	5.9144	0.0160		0.3509	0.3509		0.3228	0.3228		1,545.3310	1,545.3310	0.4998		1,557.8257
Total	0.8099	9.4442	5.9144	0.0160	0.4242	0.3509	0.7751	0.0458	0.3228	0.3686		1,545.3310	1,545.3310	0.4998		1,557.8257

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

3.2 Grading - 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	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4242	0.0000	0.4242	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	0.8099	9.4442	5.9144	0.0160		0.3509	0.3509		0.3228	0.3228	0.0000	1,545.3310	1,545.3310	0.4998		1,557.8257
Total	0.8099	9.4442	5.9144	0.0160	0.4242	0.3509	0.7751	0.0458	0.3228	0.3686	0.0000	1,545.3310	1,545.3310	0.4998		1,557.8257

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

3.2 Grading - 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	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Unmitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	7.56	91.00	66.96	59,703	59,703
Total	7.56	91.00	66.96	59,703	59,703

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_Paving
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, August 2014.

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	20.00
tblOffRoadEquipment	HorsePower	130.00	9.00
tblOffRoadEquipment	HorsePower	97.00	130.00
tblOffRoadEquipment	LoadFactor	0.42	0.56
tblOffRoadEquipment	LoadFactor	0.37	0.42
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	4.80
tblOffRoadEquipment	UsageHours	8.00	4.80
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.6926	6.9634	8.0790	0.0139	0.1180	0.3549	0.4729	0.0320	0.3266	0.3586	0.0000	1,364.2356	1,364.2356	0.3706	0.0000	1,373.5011
Maximum	0.6926	6.9634	8.0790	0.0139	0.1180	0.3549	0.4729	0.0320	0.3266	0.3586	0.0000	1,364.2356	1,364.2356	0.3706	0.0000	1,373.5011

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	lb/day										lb/day					
2021	0.6926	6.9634	8.0790	0.0139	0.1180	0.3549	0.4729	0.0320	0.3266	0.3586	0.0000	1,364.2356	1,364.2356	0.3706	0.0000	1,373.5011
Maximum	0.6926	6.9634	8.0790	0.0139	0.1180	0.3549	0.4729	0.0320	0.3266	0.3586	0.0000	1,364.2356	1,364.2356	0.3706	0.0000	1,373.5011

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	5/1/2021	5/28/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	4.80	9	0.56
Paving	Paving Equipment	2	4.00	132	0.36
Paving	Rollers	2	4.80	80	0.38
Paving	Tractors/Loaders/Backhoes	1	4.80	130	0.42
Paving	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

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
Paving	7	10.00	4.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 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										lb/day					
Off-Road	0.6408	6.3888	7.7138	0.0116		0.3530	0.3530		0.3248	0.3248		1,119.9446	1,119.9446	0.3622		1,128.9999
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6408	6.3888	7.7138	0.0116		0.3530	0.3530		0.3248	0.3248		1,119.9446	1,119.9446	0.3622		1,128.9999

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

3.2 Paving - 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	lb/day										lb/day					
Hauling	3.7200e-003	0.1243	0.0204	4.1000e-004	8.7500e-003	4.1000e-004	9.1600e-003	2.4000e-003	3.9000e-004	2.7900e-003		42.8228	42.8228	1.3000e-003		42.8553
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0519	0.5746	0.3652	2.3700e-003	0.1180	1.9000e-003	0.1199	0.0320	1.8000e-003	0.0338		244.2910	244.2910	8.4100e-003		244.5013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6408	6.3888	7.7138	0.0116		0.3530	0.3530		0.3248	0.3248	0.0000	1,119.9446	1,119.9446	0.3622		1,128.9999
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6408	6.3888	7.7138	0.0116		0.3530	0.3530		0.3248	0.3248	0.0000	1,119.9446	1,119.9446	0.3622		1,128.9999

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

3.2 Paving - 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	lb/day										lb/day					
Hauling	3.7200e-003	0.1243	0.0204	4.1000e-004	8.7500e-003	4.1000e-004	9.1600e-003	2.4000e-003	3.9000e-004	2.7900e-003		42.8228	42.8228	1.3000e-003		42.8553
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0519	0.5746	0.3652	2.3700e-003	0.1180	1.9000e-003	0.1199	0.0320	1.8000e-003	0.0338		244.2910	244.2910	8.4100e-003		244.5013

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Unmitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	7.56	91.00	66.96	59,703	59,703
Total	7.56	91.00	66.96	59,703	59,703

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment B_Planting and Erosion Control
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - No grading

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	15.00
tblOffRoadEquipment	HorsePower	402.00	124.00
tblOffRoadEquipment	LoadFactor	0.38	0.44
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.2642	2.0644	3.0015	4.7300e-003	0.0833	0.1109	0.1942	0.0221	0.1020	0.1241	0.0000	461.4171	461.4171	0.1238	0.0000	464.5125
Maximum	0.2642	2.0644	3.0015	4.7300e-003	0.0833	0.1109	0.1942	0.0221	0.1020	0.1241	0.0000	461.4171	461.4171	0.1238	0.0000	464.5125

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	lb/day										lb/day					
2021	0.2642	2.0644	3.0015	4.7300e-003	0.0833	0.1109	0.1942	0.0221	0.1020	0.1241	0.0000	461.4171	461.4171	0.1238	0.0000	464.5125
Maximum	0.2642	2.0644	3.0015	4.7300e-003	0.0833	0.1109	0.1942	0.0221	0.1020	0.1241	0.0000	461.4171	461.4171	0.1238	0.0000	464.5125

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2021	5/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Off-Highway Trucks	1	4.00	124	0.44
Site Preparation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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
Site Preparation	2	10.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2276	2.0287	2.7294	3.8900e-003		0.1103	0.1103		0.1015	0.1015		376.7238	376.7238	0.1218		379.7698
Total	0.2276	2.0287	2.7294	3.8900e-003	0.0000	0.1103	0.1103	0.0000	0.1015	0.1015		376.7238	376.7238	0.1218		379.7698

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
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	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0366	0.0357	0.2721	8.4000e-004	0.0833	5.6000e-004	0.0839	0.0221	5.2000e-004	0.0226		84.6933	84.6933	1.9700e-003		84.7427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2276	2.0287	2.7294	3.8900e-003		0.1103	0.1103		0.1015	0.1015	0.0000	376.7238	376.7238	0.1218		379.7698
Total	0.2276	2.0287	2.7294	3.8900e-003	0.0000	0.1103	0.1103	0.0000	0.1015	0.1015	0.0000	376.7238	376.7238	0.1218		379.7698

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
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	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0366	0.0357	0.2721	8.4000e-004	0.0833	5.6000e-004	0.0839	0.0221	5.2000e-004	0.0226		84.6933	84.6933	1.9700e-003		84.7427

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, August 2014.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, August4 2014.

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	20.00
tblOffRoadEquipment	HorsePower	158.00	231.00
tblOffRoadEquipment	HorsePower	8.00	97.00
tblOffRoadEquipment	HorsePower	80.00	89.00
tblOffRoadEquipment	LoadFactor	0.38	0.29
tblOffRoadEquipment	LoadFactor	0.43	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.4862	4.9344	5.2227	0.0113	0.1110	0.2186	0.3296	0.0301	0.2011	0.2312	0.0000	1,108.0385	1,108.0385	0.2978	0.0000	1,115.4836
Maximum	0.4862	4.9344	5.2227	0.0113	0.1110	0.2186	0.3296	0.0301	0.2011	0.2312	0.0000	1,108.0385	1,108.0385	0.2978	0.0000	1,115.4836

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	lb/day										lb/day					
2021	0.4862	4.9344	5.2227	0.0113	0.1110	0.2186	0.3296	0.0301	0.2011	0.2312	0.0000	1,108.0385	1,108.0385	0.2978	0.0000	1,115.4836
Maximum	0.4862	4.9344	5.2227	0.0113	0.1110	0.2186	0.3296	0.0301	0.2011	0.2312	0.0000	1,108.0385	1,108.0385	0.2978	0.0000	1,115.4836

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/1/2021	5/28/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Excavators	1	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Paving Equipment	2	4.00	132	0.36
Building Construction	Plate Compactors	2	2.00	97	0.37
Building Construction	Rollers	1	4.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

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
Building Construction	7	10.00	4.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4373	4.4592	4.8738	9.2800e-003		0.2170	0.2170		0.1997	0.1997		898.0057	898.0057	0.2904		905.2665
Total	0.4373	4.4592	4.8738	9.2800e-003		0.2170	0.2170		0.1997	0.1997		898.0057	898.0057	0.2904		905.2665

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4373	4.4592	4.8738	9.2800e-003		0.2170	0.2170		0.1997	0.1997	0.0000	898.0057	898.0057	0.2904		905.2665
Total	0.4373	4.4592	4.8738	9.2800e-003		0.2170	0.2170		0.1997	0.1997	0.0000	898.0057	898.0057	0.2904		905.2665

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Retaining Walls Undercrossings - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment C_Clearing and Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 5,100 ft (1.0 miles)

Construction Phase - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Off-road Equipment - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 5,100 ft (1.0 miles)

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	10.00
tblGrading	AcresOfGrading	2.50	5.00
tblOffRoadEquipment	HorsePower	80.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	UsageHours	8.00	4.80
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.70
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	25.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7721	18.2237	15.7563	0.0370	0.6430	0.7720	1.4150	0.0878	0.7103	0.7981	0.0000	3,598.1019	3,598.1019	1.1015	0.0000	3,625.6381
Maximum	1.7721	18.2237	15.7563	0.0370	0.6430	0.7720	1.4150	0.0878	0.7103	0.7981	0.0000	3,598.1019	3,598.1019	1.1015	0.0000	3,625.6381

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	lb/day										lb/day					
2022	1.7721	18.2237	15.7563	0.0370	0.6430	0.7720	1.4150	0.0878	0.7103	0.7981	0.0000	3,598.1019	3,598.1019	1.1015	0.0000	3,625.6381
Maximum	1.7721	18.2237	15.7563	0.0370	0.6430	0.7720	1.4150	0.0878	0.7103	0.7981	0.0000	3,598.1019	3,598.1019	1.1015	0.0000	3,625.6381

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-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
Mobile	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Total	0.1992	0.9890	1.7255	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0631	710.0631	0.0239	0.0000	710.6605

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-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
Mobile	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Total	0.1992	0.9890	1.7255	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0631	710.0631	0.0239	0.0000	710.6605

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/1/2022	4/14/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	4.80	158	0.38
Grading	Graders	1	4.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Other Construction Equipment	4	4.00	172	0.42
Grading	Rollers	2	4.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	2.70	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

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
Grading	10	10.00	4.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 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	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.7257	17.7514	15.4294	0.0350		0.7706	0.7706		0.7089	0.7089		3,383.5852	3,383.5852	1.0943		3,410.9432
Total	1.7257	17.7514	15.4294	0.0350	0.5303	0.7706	1.3008	0.0573	0.7089	0.7662		3,383.5852	3,383.5852	1.0943		3,410.9432

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3900e-003	0.0455	7.8300e-003	1.6000e-004	3.5000e-003	1.4000e-004	3.6400e-003	9.6000e-004	1.3000e-004	1.0900e-003		16.9356	16.9356	4.9000e-004		16.9479
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0338	0.0172	0.2490	7.6000e-004	0.0822	5.0000e-004	0.0826	0.0218	4.6000e-004	0.0223		76.0869	76.0869	1.6200e-003		76.1274
Total	0.0464	0.4723	0.3270	2.0800e-003	0.1127	1.4800e-003	0.1142	0.0306	1.3900e-003	0.0319		214.5167	214.5167	7.1300e-003		214.6949

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.7257	17.7514	15.4294	0.0350		0.7706	0.7706		0.7089	0.7089	0.0000	3,383.5852	3,383.5852	1.0943		3,410.9432
Total	1.7257	17.7514	15.4294	0.0350	0.5303	0.7706	1.3008	0.0573	0.7089	0.7662	0.0000	3,383.5852	3,383.5852	1.0943		3,410.9432

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3900e-003	0.0455	7.8300e-003	1.6000e-004	3.5000e-003	1.4000e-004	3.6400e-003	9.6000e-004	1.3000e-004	1.0900e-003		16.9356	16.9356	4.9000e-004		16.9479
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0338	0.0172	0.2490	7.6000e-004	0.0822	5.0000e-004	0.0826	0.0218	4.6000e-004	0.0223		76.0869	76.0869	1.6200e-003		76.1274
Total	0.0464	0.4723	0.3270	2.0800e-003	0.1127	1.4800e-003	0.1142	0.0306	1.3900e-003	0.0319		214.5167	214.5167	7.1300e-003		214.6949

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Unmitigated	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	9.45	113.75	83.70	74,628	74,628
Total	9.45	113.75	83.70	74,628	74,628

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
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	

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	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

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	lb/day										lb/day					
Mitigated	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Unmitigated	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Total	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Total	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment C_Clearing and Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment C_Drainage and Utilities
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use -

Construction Phase - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Off-road Equipment - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	20.00
tblOffRoadEquipment	HorsePower	158.00	231.00
tblOffRoadEquipment	HorsePower	8.00	89.00
tblOffRoadEquipment	LoadFactor	0.38	0.29
tblOffRoadEquipment	LoadFactor	0.43	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.2621	2.2585	2.0407	7.4400e-003	0.1092	0.0732	0.1824	0.0296	0.0674	0.0970	0.0000	732.0665	732.0665	0.1795	0.0000	736.5540
Maximum	0.2621	2.2585	2.0407	7.4400e-003	0.1092	0.0732	0.1824	0.0296	0.0674	0.0970	0.0000	732.0665	732.0665	0.1795	0.0000	736.5540

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	lb/day										lb/day					
2022	0.2621	2.2585	2.0407	7.4400e-003	0.1092	0.0732	0.1824	0.0296	0.0674	0.0970	0.0000	732.0665	732.0665	0.1795	0.0000	736.5540
Maximum	0.2621	2.2585	2.0407	7.4400e-003	0.1092	0.0732	0.1824	0.0296	0.0674	0.0970	0.0000	732.0665	732.0665	0.1795	0.0000	736.5540

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/1/2022	6/28/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Excavators	1	2.00	231	0.29
Building Construction	Off-Highway Trucks	1	2.00	402	0.38
Building Construction	Plate Compactors	2	2.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	2.00	97	0.37

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
Building Construction	5	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

3.1 Mitigation Measures Construction

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2171	1.8318	1.7216	5.5200e-003		0.0719	0.0719		0.0661	0.0661		534.4854	534.4854	0.1729		538.8070
Total	0.2171	1.8318	1.7216	5.5200e-003		0.0719	0.0719		0.0661	0.0661		534.4854	534.4854	0.1729		538.8070

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

3.2 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0338	0.0172	0.2490	7.6000e-004	0.0822	5.0000e-004	0.0826	0.0218	4.6000e-004	0.0223		76.0869	76.0869	1.6200e-003		76.1274
Total	0.0450	0.4268	0.3191	1.9200e-003	0.1092	1.3400e-003	0.1106	0.0296	1.2600e-003	0.0309		197.5811	197.5811	6.6400e-003		197.7470

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2171	1.8318	1.7216	5.5200e-003		0.0719	0.0719		0.0661	0.0661	0.0000	534.4854	534.4854	0.1729		538.8070
Total	0.2171	1.8318	1.7216	5.5200e-003		0.0719	0.0719		0.0661	0.0661	0.0000	534.4854	534.4854	0.1729		538.8070

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

3.2 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0338	0.0172	0.2490	7.6000e-004	0.0822	5.0000e-004	0.0826	0.0218	4.6000e-004	0.0223		76.0869	76.0869	1.6200e-003		76.1274
Total	0.0450	0.4268	0.3191	1.9200e-003	0.1092	1.3400e-003	0.1106	0.0296	1.2600e-003	0.0309		197.5811	197.5811	6.6400e-003		197.7470

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment C_Drainage and Utilities - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment C_Finish Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 5,100 ft (1.0 miles)

Construction Phase - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Off-road Equipment - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 5,100 ft (1.0 miles)

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	PhaseEndDate	6/14/2022	6/21/2022
tblGrading	AcresOfGrading	3.75	5.00
tblOffRoadEquipment	HorsePower	80.00	158.00
tblOffRoadEquipment	HorsePower	402.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Excavators	Rollers
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7817	19.2064	13.5959	0.0353	6.6014	0.7767	7.3782	3.4100	0.7148	4.1247	0.0000	3,469.3259	3,469.3259	0.8986	0.0000	3,491.7916
Maximum	1.7817	19.2064	13.5959	0.0353	6.6014	0.7767	7.3782	3.4100	0.7148	4.1247	0.0000	3,469.3259	3,469.3259	0.8986	0.0000	3,491.7916

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	lb/day										lb/day					
2022	1.7817	19.2064	13.5959	0.0353	6.6014	0.7767	7.3782	3.4100	0.7148	4.1247	0.0000	3,469.3259	3,469.3259	0.8986	0.0000	3,491.7916
Maximum	1.7817	19.2064	13.5959	0.0353	6.6014	0.7767	7.3782	3.4100	0.7148	4.1247	0.0000	3,469.3259	3,469.3259	0.8986	0.0000	3,491.7916

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-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
Mobile	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Total	0.1992	0.9890	1.7255	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0631	710.0631	0.0239	0.0000	710.6605

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-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
Mobile	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Total	0.1992	0.9890	1.7255	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0631	710.0631	0.0239	0.0000	710.6605

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/1/2022	6/21/2022	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rollers	2	4.00	158	0.38
Grading	Graders	1	4.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

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
Grading	7	10.00	4.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 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	lb/day										lb/day					
Fugitive Dust					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	1.6903	17.2620	13.0159	0.0280		0.7708	0.7708		0.7091	0.7091		2,707.2263	2,707.2263	0.8756		2,729.1156
Total	1.6903	17.2620	13.0159	0.0280	6.3756	0.7708	7.1464	3.3484	0.7091	4.0575		2,707.2263	2,707.2263	0.8756		2,729.1156

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0464	1.5177	0.2609	5.3900e-003	0.1166	4.6200e-003	0.1212	0.0320	4.4200e-003	0.0364		564.5185	564.5185	0.0164		564.9290
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0338	0.0172	0.2490	7.6000e-004	0.0822	5.0000e-004	0.0826	0.0218	4.6000e-004	0.0223		76.0869	76.0869	1.6200e-003		76.1274
Total	0.0914	1.9445	0.5800	7.3100e-003	0.2259	5.9600e-003	0.2318	0.0616	5.6800e-003	0.0672		762.0996	762.0996	0.0231		762.6760

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	1.6903	17.2620	13.0159	0.0280		0.7708	0.7708		0.7091	0.7091	0.0000	2,707.2263	2,707.2263	0.8756		2,729.1156
Total	1.6903	17.2620	13.0159	0.0280	6.3756	0.7708	7.1464	3.3484	0.7091	4.0575	0.0000	2,707.2263	2,707.2263	0.8756		2,729.1156

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0464	1.5177	0.2609	5.3900e-003	0.1166	4.6200e-003	0.1212	0.0320	4.4200e-003	0.0364		564.5185	564.5185	0.0164		564.9290
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0338	0.0172	0.2490	7.6000e-004	0.0822	5.0000e-004	0.0826	0.0218	4.6000e-004	0.0223		76.0869	76.0869	1.6200e-003		76.1274
Total	0.0914	1.9445	0.5800	7.3100e-003	0.2259	5.9600e-003	0.2318	0.0616	5.6800e-003	0.0672		762.0996	762.0996	0.0231		762.6760

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Unmitigated	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	9.45	113.75	83.70	74,628	74,628
Total	9.45	113.75	83.70	74,628	74,628

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	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

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	lb/day										lb/day					
Mitigated	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Unmitigated	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Total	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Total	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment C_Finish Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment C_Paving
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 5,100 ft (1.0 miles)

Construction Phase - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Off-road Equipment - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	30.00
tblOffRoadEquipment	HorsePower	97.00	132.00
tblOffRoadEquipment	LoadFactor	0.37	0.36
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType	Paving Equipment	Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblOffRoadEquipment	UsageHours	8.00	4.80
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	15.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8294	8.3422	9.8503	0.0170	0.1180	0.4132	0.5311	0.0320	0.3802	0.4121	0.0000	1,661.9370	1,661.9370	0.4669	0.0000	1,673.6096
Maximum	0.8294	8.3422	9.8503	0.0170	0.1180	0.4132	0.5311	0.0320	0.3802	0.4121	0.0000	1,661.9370	1,661.9370	0.4669	0.0000	1,673.6096

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	lb/day										lb/day					
2021	0.8294	8.3422	9.8503	0.0170	0.1180	0.4132	0.5311	0.0320	0.3802	0.4121	0.0000	1,661.9370	1,661.9370	0.4669	0.0000	1,673.6096
Maximum	0.8294	8.3422	9.8503	0.0170	0.1180	0.4132	0.5311	0.0320	0.3802	0.4121	0.0000	1,661.9370	1,661.9370	0.4669	0.0000	1,673.6096

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-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
Mobile	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Total	0.1992	0.9890	1.7255	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0631	710.0631	0.0239	0.0000	710.6605

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-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
Mobile	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Total	0.1992	0.9890	1.7255	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0631	710.0631	0.0239	0.0000	710.6605

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	9/1/2021	10/12/2021	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Paving Equipment	2	4.00	132	0.36
Paving	Pavers	1	4.80	130	0.42
Paving	Tractors/Loaders/Backhoes	2	4.60	132	0.36
Paving	Rollers	2	4.80	80	0.38

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
Paving	7	10.00	4.00	15.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

3.1 Mitigation Measures Construction

3.2 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										lb/day					
Off-Road	0.7776	7.7676	9.4851	0.0146		0.4113	0.4113		0.3784	0.3784		1,417.6459	1,417.6459	0.4585		1,429.1083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7776	7.7676	9.4851	0.0146		0.4113	0.4113		0.3784	0.3784		1,417.6459	1,417.6459	0.4585		1,429.1083

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

3.2 Paving - 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	lb/day										lb/day					
Hauling	3.7200e-003	0.1243	0.0204	4.1000e-004	8.7500e-003	4.1000e-004	9.1600e-003	2.4000e-003	3.9000e-004	2.7900e-003		42.8228	42.8228	1.3000e-003		42.8553
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0519	0.5746	0.3652	2.3700e-003	0.1180	1.9000e-003	0.1199	0.0320	1.8000e-003	0.0338		244.2910	244.2910	8.4100e-003		244.5013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7776	7.7676	9.4851	0.0146		0.4113	0.4113		0.3784	0.3784	0.0000	1,417.6459	1,417.6459	0.4585		1,429.1083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7776	7.7676	9.4851	0.0146		0.4113	0.4113		0.3784	0.3784	0.0000	1,417.6459	1,417.6459	0.4585		1,429.1083

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

3.2 Paving - 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	lb/day										lb/day					
Hauling	3.7200e-003	0.1243	0.0204	4.1000e-004	8.7500e-003	4.1000e-004	9.1600e-003	2.4000e-003	3.9000e-004	2.7900e-003		42.8228	42.8228	1.3000e-003		42.8553
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0519	0.5746	0.3652	2.3700e-003	0.1180	1.9000e-003	0.1199	0.0320	1.8000e-003	0.0338		244.2910	244.2910	8.4100e-003		244.5013

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593
Unmitigated	0.1880	0.9890	1.7249	7.0000e-003	0.5185	4.6400e-003	0.5231	0.1390	4.3400e-003	0.1433		710.0620	710.0620	0.0239		710.6593

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	9.45	113.75	83.70	74,628	74,628
Total	9.45	113.75	83.70	74,628	74,628

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Unmitigated	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Total	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003
Total	0.0113	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.0900e-003	1.0900e-003	0.0000		1.1700e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment C_Paving - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment C_Planting and Erosion Control
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MWhr)	793.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use -

Construction Phase - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Off-road Equipment - Per Table 3: Construction Phases and Equipment - Segment C, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - No grading

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	15.00
tblOffRoadEquipment	HorsePower	402.00	187.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.2989	2.4093	2.3139	5.6800e-003	0.6136	0.1120	0.7255	0.0794	0.1030	0.1824	0.0000	553.0474	553.0474	0.1535	0.0000	556.8836
Maximum	0.2989	2.4093	2.3139	5.6800e-003	0.6136	0.1120	0.7255	0.0794	0.1030	0.1824	0.0000	553.0474	553.0474	0.1535	0.0000	556.8836

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	lb/day										lb/day					
2021	0.2989	2.4093	2.3139	5.6800e-003	0.6136	0.1120	0.7255	0.0794	0.1030	0.1824	0.0000	553.0474	553.0474	0.1535	0.0000	556.8836
Maximum	0.2989	2.4093	2.3139	5.6800e-003	0.6136	0.1120	0.7255	0.0794	0.1030	0.1824	0.0000	553.0474	553.0474	0.1535	0.0000	556.8836

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Off-Highway Trucks	1	4.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41

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
Site Preparation	3	10.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2622	2.3736	2.0418	4.8400e-003		0.1114	0.1114		0.1025	0.1025		468.3541	468.3541	0.1515		472.1409
Total	0.2622	2.3736	2.0418	4.8400e-003	0.5303	0.1114	0.6417	0.0573	0.1025	0.1598		468.3541	468.3541	0.1515		472.1409

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
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	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0366	0.0357	0.2721	8.4000e-004	0.0833	5.6000e-004	0.0839	0.0221	5.2000e-004	0.0226		84.6933	84.6933	1.9700e-003		84.7427

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.2622	2.3736	2.0418	4.8400e-003		0.1114	0.1114		0.1025	0.1025	0.0000	468.3541	468.3541	0.1515		472.1409
Total	0.2622	2.3736	2.0418	4.8400e-003	0.5303	0.1114	0.6417	0.0573	0.1025	0.1598	0.0000	468.3541	468.3541	0.1515		472.1409

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
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	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0366	0.0357	0.2721	8.4000e-004	0.0833	5.6000e-004	0.0839	0.0221	5.2000e-004	0.0226		84.6933	84.6933	1.9700e-003		84.7427

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

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	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

6.0 Area Detail

6.1 Mitigation Measures Area

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment C_Planting and Erosion Control - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment D_New Bridge 20
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Note

Land Use -

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	50.00
tblOffRoadEquipment	HorsePower	221.00	89.00
tblOffRoadEquipment	HorsePower	158.00	97.00
tblOffRoadEquipment	LoadFactor	0.50	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.1501	11.4754	12.1528	0.0233	0.1110	0.5186	0.6296	0.0301	0.4880	0.5180	0.0000	2,255.1381	2,255.1381	0.4967	0.0000	2,267.5566
Maximum	1.1501	11.4754	12.1528	0.0233	0.1110	0.5186	0.6296	0.0301	0.4880	0.5180	0.0000	2,255.1381	2,255.1381	0.4967	0.0000	2,267.5566

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	lb/day										lb/day					
2023	1.1501	11.4754	12.1528	0.0233	0.1110	0.5186	0.6296	0.0301	0.4880	0.5180	0.0000	2,255.1381	2,255.1381	0.4967	0.0000	2,267.5566
Maximum	1.1501	11.4754	12.1528	0.0233	0.1110	0.5186	0.6296	0.0301	0.4880	0.5180	0.0000	2,255.1381	2,255.1381	0.4967	0.0000	2,267.5566

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/1/2023	8/9/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	89	0.20
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	97	0.37
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Paving Equipment	1	2.00	132	0.36
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	4.80	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.80	97	0.37

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

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
Building Construction	7	10.00	4.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1094	11.1033	11.8578	0.0214		0.5178	0.5178		0.4871	0.4871		2,054.3803	2,054.3803	0.4914		2,066.6660
Total	1.1094	11.1033	11.8578	0.0214		0.5178	0.5178		0.4871	0.4871		2,054.3803	2,054.3803	0.4914		2,066.6660

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2000e-004	0.0170	3.4500e-003	8.0000e-005	1.7500e-003	3.0000e-005	1.7800e-003	4.8000e-004	3.0000e-005	5.1000e-004		8.2596	8.2596	1.8000e-004		8.2640
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0407	0.3721	0.2950	1.9500e-003	0.1110	8.9000e-004	0.1119	0.0301	8.3000e-004	0.0309		200.7578	200.7578	5.3100e-003		200.8906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1094	11.1033	11.8578	0.0214		0.5178	0.5178		0.4871	0.4871	0.0000	2,054.3803	2,054.3803	0.4914		2,066.6660
Total	1.1094	11.1033	11.8578	0.0214		0.5178	0.5178		0.4871	0.4871	0.0000	2,054.3803	2,054.3803	0.4914		2,066.6660

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2000e-004	0.0170	3.4500e-003	8.0000e-005	1.7500e-003	3.0000e-005	1.7800e-003	4.8000e-004	3.0000e-005	5.1000e-004		8.2596	8.2596	1.8000e-004		8.2640
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0407	0.3721	0.2950	1.9500e-003	0.1110	8.9000e-004	0.1119	0.0301	8.3000e-004	0.0309		200.7578	200.7578	5.3100e-003		200.8906

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Unmitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_New Bridge 20 - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment D_Existing Bridge 21
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Note

Land Use -

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	30.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	HorsePower	84.00	231.00
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	LoadFactor	0.74	0.29
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.70
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.9261	9.0372	10.5375	0.0192	0.1104	0.4360	0.5464	0.0299	0.4024	0.4323	0.0000	1,869.5816	1,869.5816	0.4782	0.0000	1,881.5357
Maximum	0.9261	9.0372	10.5375	0.0192	0.1104	0.4360	0.5464	0.0299	0.4024	0.4323	0.0000	1,869.5816	1,869.5816	0.4782	0.0000	1,881.5357

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	lb/day										lb/day					
2023	0.9261	9.0372	10.5375	0.0192	0.1104	0.4360	0.5464	0.0299	0.4024	0.4323	0.0000	1,869.5816	1,869.5816	0.4782	0.0000	1,881.5357
Maximum	0.9261	9.0372	10.5375	0.0192	0.1104	0.4360	0.5464	0.0299	0.4024	0.4323	0.0000	1,869.5816	1,869.5816	0.4782	0.0000	1,881.5357

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	8/1/2023	9/11/2023	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Excavators	1	8.00	89	0.20
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	1	2.70	231	0.29
Building Construction	Other Construction Equipment	2	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	1	2.70	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

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
Building Construction	5	10.00	4.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8856	8.6708	10.2437	0.0173		0.4352	0.4352		0.4016	0.4016		1,671.5770	1,671.5770	0.4729		1,683.3998
Total	0.8856	8.6708	10.2437	0.0173		0.4352	0.4352		0.4016	0.4016		1,671.5770	1,671.5770	0.4729		1,683.3998

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4000e-004	0.0113	2.3000e-003	5.0000e-005	1.1700e-003	2.0000e-005	1.1900e-003	3.2000e-004	2.0000e-005	3.4000e-004		5.5064	5.5064	1.2000e-004		5.5093
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0405	0.3664	0.2938	1.9200e-003	0.1104	8.8000e-004	0.1113	0.0299	8.2000e-004	0.0307		198.0046	198.0046	5.2500e-003		198.1359

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8856	8.6708	10.2437	0.0173		0.4352	0.4352		0.4016	0.4016	0.0000	1,671.5770	1,671.5770	0.4729		1,683.3998
Total	0.8856	8.6708	10.2437	0.0173		0.4352	0.4352		0.4016	0.4016	0.0000	1,671.5770	1,671.5770	0.4729		1,683.3998

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4000e-004	0.0113	2.3000e-003	5.0000e-005	1.1700e-003	2.0000e-005	1.1900e-003	3.2000e-004	2.0000e-005	3.4000e-004		5.5064	5.5064	1.2000e-004		5.5093
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0405	0.3664	0.2938	1.9200e-003	0.1104	8.8000e-004	0.1113	0.0299	8.2000e-004	0.0307		198.0046	198.0046	5.2500e-003		198.1359

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Unmitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_Existing Bridge 21 - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment D_New Bridge 30
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Note

Land Use -

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	40.00
tblOffRoadEquipment	HorsePower	221.00	89.00
tblOffRoadEquipment	HorsePower	158.00	97.00
tblOffRoadEquipment	LoadFactor	0.50	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.0844	10.7288	12.0716	0.0233	0.1114	0.4635	0.5749	0.0302	0.4358	0.4660	0.0000	2,253.7240	2,253.7240	0.4955	0.0000	2,266.1121
Maximum	1.0844	10.7288	12.0716	0.0233	0.1114	0.4635	0.5749	0.0302	0.4358	0.4660	0.0000	2,253.7240	2,253.7240	0.4955	0.0000	2,266.1121

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	lb/day										lb/day					
2024	1.0844	10.7288	12.0716	0.0233	0.1114	0.4635	0.5749	0.0302	0.4358	0.4660	0.0000	2,253.7240	2,253.7240	0.4955	0.0000	2,266.1121
Maximum	1.0844	10.7288	12.0716	0.0233	0.1114	0.4635	0.5749	0.0302	0.4358	0.4660	0.0000	2,253.7240	2,253.7240	0.4955	0.0000	2,266.1121

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	5/1/2024	6/25/2024	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	89	0.20
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	97	0.37
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Paving Equipment	1	2.00	132	0.36
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	4.80	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.80	97	0.37

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

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
Building Construction	7	10.00	4.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0458	10.3590	11.7949	0.0214		0.4626	0.4626		0.4350	0.4350		2,054.6467	2,054.6467	0.4904		2,066.9072
Total	1.0458	10.3590	11.7949	0.0214		0.4626	0.4626		0.4350	0.4350		2,054.6467	2,054.6467	0.4904		2,066.9072

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

3.2 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.3000e-004	0.0206	4.2400e-003	1.0000e-004	2.1900e-003	4.0000e-005	2.2200e-003	6.0000e-004	4.0000e-005	6.4000e-004		10.2519	10.2519	2.2000e-004		10.2573
Vendor	8.2500e-003	0.3351	0.0585	1.1300e-003	0.0271	3.5000e-004	0.0274	7.8000e-003	3.4000e-004	8.1400e-003		118.5181	118.5181	3.5700e-003		118.6075
Worker	0.0298	0.0141	0.2139	7.1000e-004	0.0822	4.8000e-004	0.0826	0.0218	4.4000e-004	0.0222		70.3073	70.3073	1.3100e-003		70.3400
Total	0.0387	0.3697	0.2767	1.9400e-003	0.1114	8.7000e-004	0.1123	0.0302	8.2000e-004	0.0310		199.0773	199.0773	5.1000e-003		199.2048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0458	10.3590	11.7949	0.0214		0.4626	0.4626		0.4350	0.4350	0.0000	2,054.6467	2,054.6467	0.4904		2,066.9072
Total	1.0458	10.3590	11.7949	0.0214		0.4626	0.4626		0.4350	0.4350	0.0000	2,054.6467	2,054.6467	0.4904		2,066.9072

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

3.2 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.3000e-004	0.0206	4.2400e-003	1.0000e-004	2.1900e-003	4.0000e-005	2.2200e-003	6.0000e-004	4.0000e-005	6.4000e-004		10.2519	10.2519	2.2000e-004		10.2573
Vendor	8.2500e-003	0.3351	0.0585	1.1300e-003	0.0271	3.5000e-004	0.0274	7.8000e-003	3.4000e-004	8.1400e-003		118.5181	118.5181	3.5700e-003		118.6075
Worker	0.0298	0.0141	0.2139	7.1000e-004	0.0822	4.8000e-004	0.0826	0.0218	4.4000e-004	0.0222		70.3073	70.3073	1.3100e-003		70.3400
Total	0.0387	0.3697	0.2767	1.9400e-003	0.1114	8.7000e-004	0.1123	0.0302	8.2000e-004	0.0310		199.0773	199.0773	5.1000e-003		199.2048

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Unmitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_New Bridge 30 - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment D_Clearing and Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	8.50	Acre	8.50	370,260.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 9,050 ft (1.7 miles)

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 9,050 ft (1.7 miles)

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	20.00
tblGrading	AcresOfGrading	5.00	8.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.70
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	28.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.8416	17.9793	16.9039	0.0353	3.5728	0.8188	4.3916	1.7339	0.7533	2.4872	0.0000	3,427.1064	3,427.1064	1.0488	0.0000	3,453.3259
Maximum	1.8416	17.9793	16.9039	0.0353	3.5728	0.8188	4.3916	1.7339	0.7533	2.4872	0.0000	3,427.1064	3,427.1064	1.0488	0.0000	3,453.3259

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	lb/day										lb/day					
2023	1.8416	17.9793	16.9039	0.0353	3.5728	0.8188	4.3916	1.7339	0.7533	2.4872	0.0000	3,427.1064	3,427.1064	1.0488	0.0000	3,453.3259
Maximum	1.8416	17.9793	16.9039	0.0353	3.5728	0.8188	4.3916	1.7339	0.7533	2.4872	0.0000	3,427.1064	3,427.1064	1.0488	0.0000	3,453.3259

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-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
Mobile	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Total	0.3045	1.5834	2.5720	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6596	1,138.6596	0.0362	0.0000	1,139.5653

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-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
Mobile	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Total	0.3045	1.5834	2.5720	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6596	1,138.6596	0.0362	0.0000	1,139.5653

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Initial Clearing and Rough Grading	Site Preparation	4/1/2023	4/28/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Initial Clearing and Rough Grading	Excavators	1	4.80	158	0.38
Initial Clearing and Rough Grading	Graders	1	4.00	187	0.41
Initial Clearing and Rough Grading	Off-Highway Trucks	1	4.00	402	0.38
Initial Clearing and Rough Grading	Other Construction Equipment	4	4.00	172	0.42
Initial Clearing and Rough Grading	Rollers	2	4.00	80	0.38
Initial Clearing and Rough Grading	Rubber Tired Dozers	1	4.00	247	0.40
Initial Clearing and Rough Grading	Tractors/Loaders/Backhoes	1	2.70	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

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
Initial Clearing and Rough Grading	11	10.00	4.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Initial Clearing and Rough Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4618	0.0000	3.4618	1.7038	0.0000	1.7038			0.0000			0.0000
Off-Road	1.8009	17.6072	16.6089	0.0333		0.8179	0.8179		0.7525	0.7525		3,226.3486	3,226.3486	1.0435		3,252.4353
Total	1.8009	17.6072	16.6089	0.0333	3.4618	0.8179	4.2797	1.7038	0.7525	2.4563		3,226.3486	3,226.3486	1.0435		3,252.4353

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Initial Clearing and Rough Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2000e-004	0.0170	3.4500e-003	8.0000e-005	1.7500e-003	3.0000e-005	1.7800e-003	4.8000e-004	3.0000e-005	5.1000e-004		8.2596	8.2596	1.8000e-004		8.2640
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0407	0.3721	0.2950	1.9500e-003	0.1110	8.9000e-004	0.1119	0.0301	8.3000e-004	0.0309		200.7578	200.7578	5.3100e-003		200.8906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4618	0.0000	3.4618	1.7038	0.0000	1.7038			0.0000			0.0000
Off-Road	1.8009	17.6072	16.6089	0.0333		0.8179	0.8179		0.7525	0.7525	0.0000	3,226.3486	3,226.3486	1.0435		3,252.4353
Total	1.8009	17.6072	16.6089	0.0333	3.4618	0.8179	4.2797	1.7038	0.7525	2.4563	0.0000	3,226.3486	3,226.3486	1.0435		3,252.4353

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Initial Clearing and Rough Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2000e-004	0.0170	3.4500e-003	8.0000e-005	1.7500e-003	3.0000e-005	1.7800e-003	4.8000e-004	3.0000e-005	5.1000e-004		8.2596	8.2596	1.8000e-004		8.2640
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0407	0.3721	0.2950	1.9500e-003	0.1110	8.9000e-004	0.1119	0.0301	8.3000e-004	0.0309		200.7578	200.7578	5.3100e-003		200.8906

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Unmitigated	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	16.07	193.38	142.29	126,868	126,868
Total	16.07	193.38	142.29	126,868	126,868

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Unmitigated	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Total	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Total	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_Clearing and Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment D_Drainage and Utilities
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use -

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	20.00
tblOffRoadEquipment	HorsePower	97.00	89.00
tblOffRoadEquipment	HorsePower	158.00	231.00
tblOffRoadEquipment	HorsePower	8.00	97.00
tblOffRoadEquipment	LoadFactor	0.37	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.29
tblOffRoadEquipment	LoadFactor	0.43	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.2269	1.7947	1.7122	7.0000e-003	0.1092	0.0540	0.1632	0.0296	0.0497	0.0792	0.0000	689.3429	689.3429	0.1658	0.0000	693.4885
Maximum	0.2269	1.7947	1.7122	7.0000e-003	0.1092	0.0540	0.1632	0.0296	0.0497	0.0792	0.0000	689.3429	689.3429	0.1658	0.0000	693.4885

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	lb/day										lb/day					
2023	0.2269	1.7947	1.7122	7.0000e-003	0.1092	0.0540	0.1632	0.0296	0.0497	0.0792	0.0000	689.3429	689.3429	0.1658	0.0000	693.4885
Maximum	0.2269	1.7947	1.7122	7.0000e-003	0.1092	0.0540	0.1632	0.0296	0.0497	0.0792	0.0000	689.3429	689.3429	0.1658	0.0000	693.4885

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	7/1/2023	7/28/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Excavators	1	2.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Off-Highway Trucks	1	2.00	402	0.38
Building Construction	Plate Compactors	2	2.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	2.00	89	0.20

Trips and VMT

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

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
Building Construction	5	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1867	1.4396	1.4206	5.1300e-003		0.0531	0.0531		0.0489	0.0489		496.8447	496.8447	0.1607		500.8619
Total	0.1867	1.4396	1.4206	5.1300e-003		0.0531	0.0531		0.0489	0.0489		496.8447	496.8447	0.1607		500.8619

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0402	0.3551	0.2915	1.8700e-003	0.1092	8.6000e-004	0.1101	0.0296	8.0000e-004	0.0304		192.4983	192.4983	5.1300e-003		192.6266

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1867	1.4396	1.4206	5.1300e-003		0.0531	0.0531		0.0489	0.0489	0.0000	496.8447	496.8447	0.1607		500.8619
Total	0.1867	1.4396	1.4206	5.1300e-003		0.0531	0.0531		0.0489	0.0489	0.0000	496.8447	496.8447	0.1607		500.8619

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0402	0.3551	0.2915	1.8700e-003	0.1092	8.6000e-004	0.1101	0.0296	8.0000e-004	0.0304		192.4983	192.4983	5.1300e-003		192.6266

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Unmitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_Drainage and Utilities - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment D_Final Grading
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	8.50	Acre	8.50	370,260.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Note

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 9,050 ft (1.7 miles)

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 9,050 ft (1.7 miles)

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	15.00
tblGrading	AcresOfGrading	3.75	8.50
tblOffRoadEquipment	HorsePower	402.00	158.00
tblOffRoadEquipment	HorsePower	80.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	50.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.7774	8.6927	6.2691	0.0205	0.7685	0.2909	1.0594	0.1105	0.2677	0.3782	0.0000	2,013.1526	2,013.1526	0.5109	0.0000	2,025.9241
Maximum	0.7774	8.6927	6.2691	0.0205	0.7685	0.2909	1.0594	0.1105	0.2677	0.3782	0.0000	2,013.1526	2,013.1526	0.5109	0.0000	2,025.9241

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	lb/day										lb/day					
2023	0.7774	8.6927	6.2691	0.0205	0.7685	0.2909	1.0594	0.1105	0.2677	0.3782	0.0000	2,013.1526	2,013.1526	0.5109	0.0000	2,025.9241
Maximum	0.7774	8.6927	6.2691	0.0205	0.7685	0.2909	1.0594	0.1105	0.2677	0.3782	0.0000	2,013.1526	2,013.1526	0.5109	0.0000	2,025.9241

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-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
Mobile	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Total	0.3045	1.5834	2.5720	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6596	1,138.6596	0.0362	0.0000	1,139.5653

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-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
Mobile	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Total	0.3045	1.5834	2.5720	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6596	1,138.6596	0.0362	0.0000	1,139.5653

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	7/1/2023	7/21/2023	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8.5

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	1	4.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	158	0.38
Grading	Rollers	2	4.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

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
Grading	5	10.00	4.00	50.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6010	0.0000	0.6010	0.0649	0.0000	0.0649			0.0000			0.0000
Off-Road	0.7200	7.7714	5.8626	0.0160		0.2890	0.2890		0.2659	0.2659		1,545.3358	1,545.3358	0.4998		1,557.8307
Total	0.7200	7.7714	5.8626	0.0160	0.6010	0.2890	0.8900	0.0649	0.2659	0.3308		1,545.3358	1,545.3358	0.4998		1,557.8307

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

3.2 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0172	0.5662	0.1150	2.6300e-003	0.0583	1.0700e-003	0.0594	0.0160	1.0200e-003	0.0170		275.3185	275.3185	5.9400e-003		275.4669
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0574	0.9213	0.4065	4.5000e-003	0.1675	1.9300e-003	0.1695	0.0456	1.8200e-003	0.0474		467.8167	467.8167	0.0111		468.0935

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6010	0.0000	0.6010	0.0649	0.0000	0.0649			0.0000			0.0000
Off-Road	0.7200	7.7714	5.8626	0.0160		0.2890	0.2890		0.2659	0.2659	0.0000	1,545.3358	1,545.3358	0.4998		1,557.8307
Total	0.7200	7.7714	5.8626	0.0160	0.6010	0.2890	0.8900	0.0649	0.2659	0.3308	0.0000	1,545.3358	1,545.3358	0.4998		1,557.8307

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

3.2 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0172	0.5662	0.1150	2.6300e-003	0.0583	1.0700e-003	0.0594	0.0160	1.0200e-003	0.0170		275.3185	275.3185	5.9400e-003		275.4669
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0574	0.9213	0.4065	4.5000e-003	0.1675	1.9300e-003	0.1695	0.0456	1.8200e-003	0.0474		467.8167	467.8167	0.0111		468.0935

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Unmitigated	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	16.07	193.38	142.29	126,868	126,868
Total	16.07	193.38	142.29	126,868	126,868

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Unmitigated	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Total	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Total	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_Final Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Note

Land Use -

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	30.00
tblOffRoadEquipment	HorsePower	221.00	97.00
tblOffRoadEquipment	HorsePower	158.00	231.00
tblOffRoadEquipment	HorsePower	80.00	89.00
tblOffRoadEquipment	LoadFactor	0.50	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	0.6960	6.2337	7.6944	0.0189	0.1098	0.2455	0.3553	0.0298	0.2259	0.2556	0.0000	1,834.9339	1,834.9339	0.5364	0.0000	1,848.3449
Maximum	0.6960	6.2337	7.6944	0.0189	0.1098	0.2455	0.3553	0.0298	0.2259	0.2556	0.0000	1,834.9339	1,834.9339	0.5364	0.0000	1,848.3449

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	lb/day										lb/day					
2024	0.6960	6.2337	7.6944	0.0189	0.1098	0.2455	0.3553	0.0298	0.2259	0.2556	0.0000	1,834.9339	1,834.9339	0.5364	0.0000	1,848.3449
Maximum	0.6960	6.2337	7.6944	0.0189	0.1098	0.2455	0.3553	0.0298	0.2259	0.2556	0.0000	1,834.9339	1,834.9339	0.5364	0.0000	1,848.3449

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	7/1/2024	8/9/2024	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Excavators	1	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Off-Highway Trucks	1	4.00	402	0.38
Building Construction	Paving Equipment	1	2.00	132	0.36
Building Construction	Rollers	0	8.00	89	0.20
Building Construction	Rollers	1	4.80	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.80	97	0.37

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

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
Building Construction	6	10.00	4.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6578	5.8790	7.4208	0.0170		0.2446	0.2446		0.2251	0.2251		1,643.3746	1,643.3746	0.5315		1,656.6621
Total	0.6578	5.8790	7.4208	0.0170		0.2446	0.2446		0.2251	0.2251		1,643.3746	1,643.3746	0.5315		1,656.6621

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

3.2 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7000e-004	5.4900e-003	1.1300e-003	3.0000e-005	5.8000e-004	1.0000e-005	5.9000e-004	1.6000e-004	1.0000e-005	1.7000e-004		2.7338	2.7338	6.0000e-005		2.7353
Vendor	8.2500e-003	0.3351	0.0585	1.1300e-003	0.0271	3.5000e-004	0.0274	7.8000e-003	3.4000e-004	8.1400e-003		118.5181	118.5181	3.5700e-003		118.6075
Worker	0.0298	0.0141	0.2139	7.1000e-004	0.0822	4.8000e-004	0.0826	0.0218	4.4000e-004	0.0222		70.3073	70.3073	1.3100e-003		70.3400
Total	0.0382	0.3546	0.2736	1.8700e-003	0.1098	8.4000e-004	0.1107	0.0298	7.9000e-004	0.0305		191.5593	191.5593	4.9400e-003		191.6828

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6578	5.8790	7.4208	0.0170		0.2446	0.2446		0.2251	0.2251	0.0000	1,643.3746	1,643.3746	0.5315		1,656.6621
Total	0.6578	5.8790	7.4208	0.0170		0.2446	0.2446		0.2251	0.2251	0.0000	1,643.3746	1,643.3746	0.5315		1,656.6621

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

3.2 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7000e-004	5.4900e-003	1.1300e-003	3.0000e-005	5.8000e-004	1.0000e-005	5.9000e-004	1.6000e-004	1.0000e-005	1.7000e-004		2.7338	2.7338	6.0000e-005		2.7353
Vendor	8.2500e-003	0.3351	0.0585	1.1300e-003	0.0271	3.5000e-004	0.0274	7.8000e-003	3.4000e-004	8.1400e-003		118.5181	118.5181	3.5700e-003		118.6075
Worker	0.0298	0.0141	0.2139	7.1000e-004	0.0822	4.8000e-004	0.0826	0.0218	4.4000e-004	0.0222		70.3073	70.3073	1.3100e-003		70.3400
Total	0.0382	0.3546	0.2736	1.8700e-003	0.1098	8.4000e-004	0.1107	0.0298	7.9000e-004	0.0305		191.5593	191.5593	4.9400e-003		191.6828

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Unmitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_Old Auburn Undercrossing - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment D_Paving
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	8.50	Acre	8.50	370,260.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 9,050 ft (1.7 miles)

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	30.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	25.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.6163	6.1868	8.4021	0.0147	0.1238	0.2878	0.4116	0.0336	0.2648	0.2983	0.0000	1,439.0878	1,439.0878	0.3875	0.0000	1,448.7760
Maximum	0.6163	6.1868	8.4021	0.0147	0.1238	0.2878	0.4116	0.0336	0.2648	0.2983	0.0000	1,439.0878	1,439.0878	0.3875	0.0000	1,448.7760

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	lb/day										lb/day					
2023	0.6163	6.1868	8.4021	0.0147	0.1238	0.2878	0.4116	0.0336	0.2648	0.2983	0.0000	1,439.0878	1,439.0878	0.3875	0.0000	1,448.7760
Maximum	0.6163	6.1868	8.4021	0.0147	0.1238	0.2878	0.4116	0.0336	0.2648	0.2983	0.0000	1,439.0878	1,439.0878	0.3875	0.0000	1,448.7760

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-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
Mobile	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Total	0.3045	1.5834	2.5720	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6596	1,138.6596	0.0362	0.0000	1,139.5653

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-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
Mobile	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Total	0.3045	1.5834	2.5720	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6596	1,138.6596	0.0362	0.0000	1,139.5653

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	8/1/2023	9/11/2023	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Pavers	1	4.00	130	0.42
Paving	Paving Equipment	2	4.00	132	0.36
Paving	Rollers	2	4.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	4.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

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
Paving	7	10.00	4.00	25.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5718	5.6901	8.0819	0.0122		0.2866	0.2866		0.2637	0.2637		1,177.7599	1,177.7599	0.3809		1,187.2827
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5718	5.6901	8.0819	0.0122		0.2866	0.2866		0.2637	0.2637		1,177.7599	1,177.7599	0.3809		1,187.2827

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

3.2 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.3000e-003	0.1416	0.0288	6.6000e-004	0.0146	2.7000e-004	0.0148	4.0000e-003	2.6000e-004	4.2500e-003		68.8296	68.8296	1.4800e-003		68.8667
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0445	0.4967	0.3203	2.5300e-003	0.1238	1.1300e-003	0.1249	0.0336	1.0600e-003	0.0346		261.3279	261.3279	6.6100e-003		261.4933

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5718	5.6901	8.0819	0.0122		0.2866	0.2866		0.2637	0.2637	0.0000	1,177.7599	1,177.7599	0.3809		1,187.2827
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5718	5.6901	8.0819	0.0122		0.2866	0.2866		0.2637	0.2637	0.0000	1,177.7599	1,177.7599	0.3809		1,187.2827

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

3.2 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.3000e-003	0.1416	0.0288	6.6000e-004	0.0146	2.7000e-004	0.0148	4.0000e-003	2.6000e-004	4.2500e-003		68.8296	68.8296	1.4800e-003		68.8667
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0445	0.4967	0.3203	2.5300e-003	0.1238	1.1300e-003	0.1249	0.0336	1.0600e-003	0.0346		261.3279	261.3279	6.6100e-003		261.4933

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634
Unmitigated	0.2854	1.5834	2.5712	0.0112	0.8812	7.3100e-003	0.8885	0.2362	6.8200e-003	0.2430		1,138.6578	1,138.6578	0.0362		1,139.5634

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	16.07	193.38	142.29	126,868	126,868
Total	16.07	193.38	142.29	126,868	126,868

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Unmitigated	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Total	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003
Total	0.0192	1.0000e-005	8.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8600e-003	1.8600e-003	0.0000		1.9800e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_Paving - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MWhr)	793.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Notes

Land Use -

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - No grading

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	15.00
tblOffRoadEquipment	HorsePower	402.00	187.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.6310	6.4320	3.9016	0.0122	0.6136	0.2291	0.8426	0.0794	0.2107	0.2901	0.0000	1,187.7338	1,187.7338	0.3603	0.0000	1,196.7403
Maximum	0.6310	6.4320	3.9016	0.0122	0.6136	0.2291	0.8426	0.0794	0.2107	0.2901	0.0000	1,187.7338	1,187.7338	0.3603	0.0000	1,196.7403

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	lb/day										lb/day					
2023	0.6310	6.4320	3.9016	0.0122	0.6136	0.2291	0.8426	0.0794	0.2107	0.2901	0.0000	1,187.7338	1,187.7338	0.3603	0.0000	1,196.7403
Maximum	0.6310	6.4320	3.9016	0.0122	0.6136	0.2291	0.8426	0.0794	0.2107	0.2901	0.0000	1,187.7338	1,187.7338	0.3603	0.0000	1,196.7403

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2023	10/20/2023	5	15	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Off-Highway Trucks	1	4.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41

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
Site Preparation	3	10.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5990	6.4051	3.6691	0.0115		0.2285	0.2285		0.2103	0.2103		1,109.0426	1,109.0426	0.3587		1,118.0097
Total	0.5990	6.4051	3.6691	0.0115	0.5303	0.2285	0.7588	0.0573	0.2103	0.2675		1,109.0426	1,109.0426	0.3587		1,118.0097

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4000e-004	0.0113	2.3000e-003	5.0000e-005	1.1700e-003	2.0000e-005	1.1900e-003	3.2000e-004	2.0000e-005	3.4000e-004		5.5064	5.5064	1.2000e-004		5.5093
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	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0320	0.0269	0.2325	7.8000e-004	0.0833	5.1000e-004	0.0838	0.0221	4.7000e-004	0.0226		78.6913	78.6913	1.5700e-003		78.7306

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5990	6.4051	3.6691	0.0115		0.2285	0.2285		0.2103	0.2103	0.0000	1,109.0426	1,109.0426	0.3587		1,118.0097
Total	0.5990	6.4051	3.6691	0.0115	0.5303	0.2285	0.7588	0.0573	0.2103	0.2675	0.0000	1,109.0426	1,109.0426	0.3587		1,118.0097

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4000e-004	0.0113	2.3000e-003	5.0000e-005	1.1700e-003	2.0000e-005	1.1900e-003	3.2000e-004	2.0000e-005	3.4000e-004		5.5064	5.5064	1.2000e-004		5.5093
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	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0320	0.0269	0.2325	7.8000e-004	0.0833	5.1000e-004	0.0838	0.0221	4.7000e-004	0.0226		78.6913	78.6913	1.5700e-003		78.7306

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

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	lb/day										lb/day					
Mitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Unmitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

6.0 Area Detail

6.1 Mitigation Measures Area

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment D_Planting and Erosion Control - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2025
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Note

Land Use -

Construction Phase - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Off-road Equipment - Per Table 4: Construction Phases and Equipment - Segment D, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	40.00
tblOffRoadEquipment	HorsePower	221.00	89.00
tblOffRoadEquipment	HorsePower	158.00	97.00
tblOffRoadEquipment	LoadFactor	0.50	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.9131	18.7702	23.3791	0.0410	0.1136	0.8768	0.9904	0.0308	0.8174	0.8482	0.0000	3,969.0525	3,969.0525	1.0473	0.0000	3,995.2354
Maximum	1.9131	18.7702	23.3791	0.0410	0.1136	0.8768	0.9904	0.0308	0.8174	0.8482	0.0000	3,969.0525	3,969.0525	1.0473	0.0000	3,995.2354

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	lb/day										lb/day					
2023	1.9131	18.7702	23.3791	0.0410	0.1136	0.8768	0.9904	0.0308	0.8174	0.8482	0.0000	3,969.0525	3,969.0525	1.0473	0.0000	3,995.2354
Maximum	1.9131	18.7702	23.3791	0.0410	0.1136	0.8768	0.9904	0.0308	0.8174	0.8482	0.0000	3,969.0525	3,969.0525	1.0473	0.0000	3,995.2354

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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
Mobile	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Total	8.9500e-003	0.0466	0.0757	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4900	33.4900	1.0700e-003	0.0000	33.5166

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	7/1/2023	8/25/2023	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	89	0.20
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	97	0.37
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Paving Equipment	4	8.00	132	0.36
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

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
Building Construction	10	10.00	4.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8716	18.3726	23.0790	0.0389		0.8758	0.8758		0.8166	0.8166		3,755.9054	3,755.9054	1.0417		3,781.9488
Total	1.8716	18.3726	23.0790	0.0389		0.8758	0.8758		0.8166	0.8166		3,755.9054	3,755.9054	1.0417		3,781.9488

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2900e-003	0.0425	8.6300e-003	2.0000e-004	4.3700e-003	8.0000e-005	4.4500e-003	1.2000e-003	8.0000e-005	1.2800e-003		20.6489	20.6489	4.5000e-004		20.6600
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0415	0.3976	0.3001	2.0700e-003	0.1136	9.4000e-004	0.1145	0.0308	8.8000e-004	0.0317		213.1471	213.1471	5.5800e-003		213.2866

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8716	18.3726	23.0790	0.0389		0.8758	0.8758		0.8166	0.8166	0.0000	3,755.9054	3,755.9054	1.0417		3,781.9488
Total	1.8716	18.3726	23.0790	0.0389		0.8758	0.8758		0.8166	0.8166	0.0000	3,755.9054	3,755.9054	1.0417		3,781.9488

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

3.2 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2900e-003	0.0425	8.6300e-003	2.0000e-004	4.3700e-003	8.0000e-005	4.4500e-003	1.2000e-003	8.0000e-005	1.2800e-003		20.6489	20.6489	4.5000e-004		20.6600
Vendor	8.5300e-003	0.3396	0.0614	1.1400e-003	0.0271	3.7000e-004	0.0275	7.8000e-003	3.5000e-004	8.1500e-003		119.3134	119.3134	3.6800e-003		119.4054
Worker	0.0317	0.0155	0.2302	7.3000e-004	0.0822	4.9000e-004	0.0826	0.0218	4.5000e-004	0.0222		73.1849	73.1849	1.4500e-003		73.2212
Total	0.0415	0.3976	0.3001	2.0700e-003	0.1136	9.4000e-004	0.1145	0.0308	8.8000e-004	0.0317		213.1471	213.1471	5.5800e-003		213.2866

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166
Unmitigated	8.3900e-003	0.0466	0.0756	3.3000e-004	0.0259	2.1000e-004	0.0261	6.9500e-003	2.0000e-004	7.1500e-003		33.4899	33.4899	1.0700e-003		33.5166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

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	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.512206	0.037649	0.220902	0.116610	0.017603	0.005350	0.033125	0.046863	0.001372	0.001143	0.005515	0.000740	0.000922

5.0 Energy Detail

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment D_Rocky Ridge Undercrossing - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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