

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**99W/South Main Street Improvements**

**Tehama County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	18.00	Acre	18.00	0.00	0
Other Asphalt Surfaces	46.00	Acre	46.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	68
<b>Climate Zone</b>	1	<b>Operational Year</b>		2024	
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Project includes roadway improvements at the South Main St./I-5 Interchange and along the 99W road corridor.

Construction Phase - Construction schedule provided by PACE.

Grading - .

Demolition -

Architectural Coating - .

Area Coating -

Construction Off-road Equipment Mitigation - Adopted mitigation measures.

Area Mitigation -

Off-road Equipment - .

Off-road Equipment - .

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Off-road Equipment - .

Off-road Equipment -

Off-road Equipment -

Trips and VMT - .

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	100,000.00
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	30.00
tblConstructionPhase	NumDays	70.00	30.00
tblConstructionPhase	NumDays	110.00	85.00
tblConstructionPhase	NumDays	75.00	70.00
tblConstructionPhase	NumDays	40.00	10.00
tblConstructionPhase	PhaseEndDate	12/1/2028	12/29/2023
tblConstructionPhase	PhaseEndDate	7/7/2023	5/12/2023
tblConstructionPhase	PhaseEndDate	2/2/2024	9/22/2023
tblConstructionPhase	PhaseEndDate	8/18/2028	12/29/2023
tblConstructionPhase	PhaseEndDate	9/1/2023	5/26/2023
tblConstructionPhase	PhaseStartDate	8/19/2028	11/20/2023
tblConstructionPhase	PhaseStartDate	9/2/2023	5/29/2023
tblConstructionPhase	PhaseStartDate	5/6/2028	9/25/2023
tblConstructionPhase	PhaseStartDate	7/8/2023	5/15/2023
tblGrading	AcresOfGrading	217.81	64.00
tblGrading	AcresOfGrading	11.25	18.00

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tblGrading	MaterialExported	0.00	12,000.00
tblGrading	MaterialImported	0.00	15,000.00
tblLandUse	LandUseSquareFeet	784,080.00	0.00
tblLandUse	LandUseSquareFeet	2,003,760.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	791.00	743.00
tblTripsAndVMT	HaulingTripNumber	1,875.00	1,056.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00

**2.0 Emissions Summary**

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

**2.2 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	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.0000e-004</b>	<b>6.0000e-005</b>	<b>6.5200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0140</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0149</b>

**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	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.0000e-004</b>	<b>6.0000e-005</b>	<b>6.5200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0140</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0149</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	5/12/2023	5	30	
2	Site Preparation	Site Preparation	5/15/2023	5/26/2023	5	10	
3	Grading/Construction	Grading	5/29/2023	9/22/2023	5	85	
4	Paving	Paving	9/25/2023	12/29/2023	5	70	
5	Architectural Coating	Architectural Coating	11/20/2023	12/29/2023	5	30	

**Acres of Grading (Site Preparation Phase): 18**

**Acres of Grading (Grading Phase): 64**

**Acres of Paving: 64**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 100,000 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Grading/Construction	Excavators	2	6.00	158	0.38
Grading/Construction	Graders	1	7.00	187	0.41
Paving	Pavers	2	8.00	130	0.42

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Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading/Construction	Rubber Tired Dozers	1	6.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	6.00	247	0.40
Grading/Construction	Scrapers	2	7.00	367	0.48
Grading/Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	3	6.00	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
Demolition	5	13.00	0.00	743.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	15.00	0.00	0.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Construction	8	20.00	0.00	1,056.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8709	0.0000	5.8709	0.8891	0.0000	0.8891			0.0000			0.0000
Off-Road	2.0804	19.9358	16.3856	0.0337		0.9217	0.9217		0.8583	0.8583		3,246.8784	3,246.8784	0.8876		3,269.0690
<b>Total</b>	<b>2.0804</b>	<b>19.9358</b>	<b>16.3856</b>	<b>0.0337</b>	<b>5.8709</b>	<b>0.9217</b>	<b>6.7927</b>	<b>0.8891</b>	<b>0.8583</b>	<b>1.7473</b>		<b>3,246.8784</b>	<b>3,246.8784</b>	<b>0.8876</b>		<b>3,269.0690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0619	3.1705	0.7138	0.0146	0.4343	0.0314	0.4657	0.1192	0.0300	0.1492		1,544.3588	1,544.3588	2.8800e-003	0.2427	1,616.7666
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0603	0.0364	0.5410	1.4600e-003	0.1582	8.6000e-004	0.1590	0.0419	7.9000e-004	0.0427		149.6914	149.6914	3.6500e-003	3.5200e-003	150.8320
<b>Total</b>	<b>0.1222</b>	<b>3.2070</b>	<b>1.2548</b>	<b>0.0161</b>	<b>0.5925</b>	<b>0.0322</b>	<b>0.6247</b>	<b>0.1611</b>	<b>0.0308</b>	<b>0.1919</b>		<b>1,694.0501</b>	<b>1,694.0501</b>	<b>6.5300e-003</b>	<b>0.2463</b>	<b>1,767.5986</b>



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**3.2 Demolition - 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					1.3210	0.0000	1.3210	0.2000	0.0000	0.2000			0.0000			0.0000
Off-Road	2.0804	19.9358	16.3856	0.0337		0.9217	0.9217		0.8583	0.8583	0.0000	3,246.8784	3,246.8784	0.8876		3,269.0690
<b>Total</b>	<b>2.0804</b>	<b>19.9358</b>	<b>16.3856</b>	<b>0.0337</b>	<b>1.3210</b>	<b>0.9217</b>	<b>2.2427</b>	<b>0.2000</b>	<b>0.8583</b>	<b>1.0583</b>	<b>0.0000</b>	<b>3,246.8784</b>	<b>3,246.8784</b>	<b>0.8876</b>		<b>3,269.0690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0619	3.1705	0.7138	0.0146	0.2543	0.0314	0.2856	0.0750	0.0300	0.1050		1,544.3588	1,544.3588	2.8800e-003	0.2427	1,616.7666
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0603	0.0364	0.5410	1.4600e-003	0.0825	8.6000e-004	0.0834	0.0234	7.9000e-004	0.0242		149.6914	149.6914	3.6500e-003	3.5200e-003	150.8320
<b>Total</b>	<b>0.1222</b>	<b>3.2070</b>	<b>1.2548</b>	<b>0.0161</b>	<b>0.3368</b>	<b>0.0322</b>	<b>0.3690</b>	<b>0.0983</b>	<b>0.0308</b>	<b>0.1291</b>		<b>1,694.0501</b>	<b>1,694.0501</b>	<b>6.5300e-003</b>	<b>0.2463</b>	<b>1,767.5986</b>

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**3.3 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					15.4586	0.0000	15.4586	7.6541	0.0000	7.6541			0.0000			0.0000
Off-Road	1.8811	19.4914	12.0098	0.0262		0.8927	0.8927		0.8212	0.8212		2,539.2987	2,539.2987	0.8213		2,559.8302
<b>Total</b>	<b>1.8811</b>	<b>19.4914</b>	<b>12.0098</b>	<b>0.0262</b>	<b>15.4586</b>	<b>0.8927</b>	<b>16.3513</b>	<b>7.6541</b>	<b>0.8212</b>	<b>8.4754</b>		<b>2,539.2987</b>	<b>2,539.2987</b>	<b>0.8213</b>		<b>2,559.8302</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0696	0.0420	0.6242	1.6900e-003	0.1825	9.9000e-004	0.1835	0.0484	9.2000e-004	0.0493		172.7208	172.7208	4.2100e-003	4.0600e-003	174.0370
<b>Total</b>	<b>0.0696</b>	<b>0.0420</b>	<b>0.6242</b>	<b>1.6900e-003</b>	<b>0.1825</b>	<b>9.9000e-004</b>	<b>0.1835</b>	<b>0.0484</b>	<b>9.2000e-004</b>	<b>0.0493</b>		<b>172.7208</b>	<b>172.7208</b>	<b>4.2100e-003</b>	<b>4.0600e-003</b>	<b>174.0370</b>

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**3.3 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					3.4782	0.0000	3.4782	1.7222	0.0000	1.7222			0.0000			0.0000
Off-Road	1.8811	19.4914	12.0098	0.0262		0.8927	0.8927		0.8212	0.8212	0.0000	2,539.2987	2,539.2987	0.8213		2,559.8302
<b>Total</b>	<b>1.8811</b>	<b>19.4914</b>	<b>12.0098</b>	<b>0.0262</b>	<b>3.4782</b>	<b>0.8927</b>	<b>4.3708</b>	<b>1.7222</b>	<b>0.8212</b>	<b>2.5434</b>	<b>0.0000</b>	<b>2,539.2987</b>	<b>2,539.2987</b>	<b>0.8213</b>		<b>2,559.8302</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0696	0.0420	0.6242	1.6900e-003	0.0952	9.9000e-004	0.0962	0.0270	9.2000e-004	0.0279		172.7208	172.7208	4.2100e-003	4.0600e-003	174.0370
<b>Total</b>	<b>0.0696</b>	<b>0.0420</b>	<b>0.6242</b>	<b>1.6900e-003</b>	<b>0.0952</b>	<b>9.9000e-004</b>	<b>0.0962</b>	<b>0.0270</b>	<b>9.2000e-004</b>	<b>0.0279</b>		<b>172.7208</b>	<b>172.7208</b>	<b>4.2100e-003</b>	<b>4.0600e-003</b>	<b>174.0370</b>

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**3.4 Grading/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					
Fugitive Dust					5.3712	0.0000	5.3712	2.5774	0.0000	2.5774			0.0000			0.0000
Off-Road	2.7738	28.9231	23.3420	0.0520		1.1874	1.1874		1.0924	1.0924		5,031.641 5	5,031.641 5	1.6273		5,072.324 9
<b>Total</b>	<b>2.7738</b>	<b>28.9231</b>	<b>23.3420</b>	<b>0.0520</b>	<b>5.3712</b>	<b>1.1874</b>	<b>6.5585</b>	<b>2.5774</b>	<b>1.0924</b>	<b>3.6698</b>		<b>5,031.641 5</b>	<b>5,031.641 5</b>	<b>1.6273</b>		<b>5,072.324 9</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0311	1.5904	0.3581	7.3200e-003	0.2179	0.0157	0.2336	0.0598	0.0151	0.0748		774.6859	774.6859	1.4400e-003	0.1218	811.0073
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0928	0.0561	0.8323	2.2500e-003	0.2433	1.3300e-003	0.2446	0.0645	1.2200e-003	0.0657		230.2944	230.2944	5.6100e-003	5.4200e-003	232.0493
<b>Total</b>	<b>0.1239</b>	<b>1.6465</b>	<b>1.1904</b>	<b>9.5700e-003</b>	<b>0.4612</b>	<b>0.0171</b>	<b>0.4782</b>	<b>0.1243</b>	<b>0.0163</b>	<b>0.1406</b>		<b>1,004.980 3</b>	<b>1,004.980 3</b>	<b>7.0500e-003</b>	<b>0.1272</b>	<b>1,043.056 6</b>

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**3.4 Grading/Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2085	0.0000	1.2085	0.5799	0.0000	0.5799			0.0000			0.0000
Off-Road	2.7738	28.9231	23.3420	0.0520		1.1874	1.1874		1.0924	1.0924	0.0000	5,031.6415	5,031.6415	1.6273		5,072.3249
<b>Total</b>	<b>2.7738</b>	<b>28.9231</b>	<b>23.3420</b>	<b>0.0520</b>	<b>1.2085</b>	<b>1.1874</b>	<b>2.3959</b>	<b>0.5799</b>	<b>1.0924</b>	<b>1.6723</b>	<b>0.0000</b>	<b>5,031.6415</b>	<b>5,031.6415</b>	<b>1.6273</b>		<b>5,072.3249</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0311	1.5904	0.3581	7.3200e-003	0.1275	0.0157	0.1433	0.0376	0.0151	0.0527		774.6859	774.6859	1.4400e-003	0.1218	811.0073
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0928	0.0561	0.8323	2.2500e-003	0.1270	1.3300e-003	0.1283	0.0360	1.2200e-003	0.0372		230.2944	230.2944	5.6100e-003	5.4200e-003	232.0493
<b>Total</b>	<b>0.1239</b>	<b>1.6465</b>	<b>1.1904</b>	<b>9.5700e-003</b>	<b>0.2545</b>	<b>0.0171</b>	<b>0.2716</b>	<b>0.0736</b>	<b>0.0163</b>	<b>0.0898</b>		<b>1,004.9803</b>	<b>1,004.9803</b>	<b>7.0500e-003</b>	<b>0.1272</b>	<b>1,043.0566</b>

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**3.5 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.7217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.7545</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0696	0.0420	0.6242	1.6900e-003	0.1825	9.9000e-004	0.1835	0.0484	9.2000e-004	0.0493		172.7208	172.7208	4.2100e-003	4.0600e-003	174.0370
<b>Total</b>	<b>0.0696</b>	<b>0.0420</b>	<b>0.6242</b>	<b>1.6900e-003</b>	<b>0.1825</b>	<b>9.9000e-004</b>	<b>0.1835</b>	<b>0.0484</b>	<b>9.2000e-004</b>	<b>0.0493</b>		<b>172.7208</b>	<b>172.7208</b>	<b>4.2100e-003</b>	<b>4.0600e-003</b>	<b>174.0370</b>

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**3.5 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	1.7217					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.7545</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.584 1</b>	<b>2,207.584 1</b>	<b>0.7140</b>		<b>2,225.433 6</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0696	0.0420	0.6242	1.6900e-003	0.0952	9.9000e-004	0.0962	0.0270	9.2000e-004	0.0279		172.7208	172.7208	4.2100e-003	4.0600e-003	174.0370
<b>Total</b>	<b>0.0696</b>	<b>0.0420</b>	<b>0.6242</b>	<b>1.6900e-003</b>	<b>0.0952</b>	<b>9.9000e-004</b>	<b>0.0962</b>	<b>0.0270</b>	<b>9.2000e-004</b>	<b>0.0279</b>		<b>172.7208</b>	<b>172.7208</b>	<b>4.2100e-003</b>	<b>4.0600e-003</b>	<b>174.0370</b>

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.1750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>23.3667</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

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



99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**3.6 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.1750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>23.3667</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

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

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.496877	0.051428	0.175904	0.145344	0.046757	0.011047	0.006364	0.029466	0.000659	0.000000	0.029647	0.001374	0.005133
Other Non-Asphalt Surfaces	0.496877	0.051428	0.175904	0.145344	0.046757	0.011047	0.006364	0.029466	0.000659	0.000000	0.029647	0.001374	0.005133

**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

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
<b>Total</b>	<b>6.0000e-004</b>	<b>6.0000e-005</b>	<b>6.5200e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0140</b>	<b>0.0140</b>	<b>4.0000e-005</b>		<b>0.0149</b>

99W/South Main Street Improvements - Tehama County APCD Air District, Summer

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

**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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
<b>Total</b>	<b>6.0000e-004</b>	<b>6.0000e-005</b>	<b>6.5200e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0140</b>	<b>0.0140</b>	<b>4.0000e-005</b>		<b>0.0149</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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

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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	18.00	Acre	18.00	0.00	0
Other Asphalt Surfaces	46.00	Acre	46.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	3.1	<b>Precipitation Freq (Days)</b>	68
<b>Climate Zone</b>	1			<b>Operational Year</b>	2024
<b>Utility Company</b>					
<b>CO2 Intensity (lb/MWhr)</b>	0	<b>CH4 Intensity (lb/MWhr)</b>	0	<b>N2O Intensity (lb/MWhr)</b>	0

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Project includes roadway improvements at the South Main St./I-5 Interchange and along the 99W road corridor.

Construction Phase - Construction schedule provided by PACE.

Grading - .

Demolition -

Architectural Coating - .

Area Coating -

Construction Off-road Equipment Mitigation - Adopted mitigation measures.

Area Mitigation -

Off-road Equipment - .

Off-road Equipment - .

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

Off-road Equipment - .

Off-road Equipment -

Off-road Equipment -

Trips and VMT - .

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	100,000.00
tblAreaCoating	ReapplicationRatePercent	10	5
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	55
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	30.00
tblConstructionPhase	NumDays	70.00	30.00
tblConstructionPhase	NumDays	110.00	85.00
tblConstructionPhase	NumDays	75.00	70.00
tblConstructionPhase	NumDays	40.00	10.00
tblConstructionPhase	PhaseEndDate	12/1/2028	12/29/2023
tblConstructionPhase	PhaseEndDate	7/7/2023	5/12/2023
tblConstructionPhase	PhaseEndDate	2/2/2024	9/22/2023
tblConstructionPhase	PhaseEndDate	8/18/2028	12/29/2023
tblConstructionPhase	PhaseEndDate	9/1/2023	5/26/2023
tblConstructionPhase	PhaseStartDate	8/19/2028	11/20/2023
tblConstructionPhase	PhaseStartDate	9/2/2023	5/29/2023
tblConstructionPhase	PhaseStartDate	5/6/2028	9/25/2023
tblConstructionPhase	PhaseStartDate	7/8/2023	5/15/2023
tblGrading	AcresOfGrading	217.81	64.00
tblGrading	AcresOfGrading	11.25	18.00

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

tblGrading	MaterialExported	0.00	12,000.00
tblGrading	MaterialImported	0.00	15,000.00
tblLandUse	LandUseSquareFeet	784,080.00	0.00
tblLandUse	LandUseSquareFeet	2,003,760.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	791.00	743.00
tblTripsAndVMT	HaulingTripNumber	1,875.00	1,056.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00
tblTripsAndVMT	WorkerTripLength	16.80	16.00

**2.0 Emissions Summary**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2023	7-2-2023	0.8725	0.8725
2	7-3-2023	9-30-2023	1.0081	1.0081
		Highest	1.0081	1.0081

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1400e-003</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2200e-003</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1400e-003</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2200e-003</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/3/2023	5/12/2023	5	30	
2	Site Preparation	Site Preparation	5/15/2023	5/26/2023	5	10	
3	Grading/Construction	Grading	5/29/2023	9/22/2023	5	85	

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

4	Paving	Paving	9/25/2023	12/29/2023	5	70
5	Architectural Coating	Architectural Coating	11/20/2023	12/29/2023	5	30

**Acres of Grading (Site Preparation Phase): 18**

**Acres of Grading (Grading Phase): 64**

**Acres of Paving: 64**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 100,000 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Grading/Construction	Excavators	2	6.00	158	0.38
Grading/Construction	Graders	1	7.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading/Construction	Rubber Tired Dozers	1	6.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	6.00	247	0.40
Grading/Construction	Scrapers	2	7.00	367	0.48
Grading/Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	3	6.00	97	0.37

**Trips and VMT**

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	743.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	15.00	0.00	0.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Construction	8	20.00	0.00	1,056.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	16.00	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0881	0.0000	0.0881	0.0133	0.0000	0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0312	0.2990	0.2458	5.0000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	44.1828	44.1828	0.0121	0.0000	44.4847
<b>Total</b>	<b>0.0312</b>	<b>0.2990</b>	<b>0.2458</b>	<b>5.0000e-004</b>	<b>0.0881</b>	<b>0.0138</b>	<b>0.1019</b>	<b>0.0133</b>	<b>0.0129</b>	<b>0.0262</b>	<b>0.0000</b>	<b>44.1828</b>	<b>44.1828</b>	<b>0.0121</b>	<b>0.0000</b>	<b>44.4847</b>



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

**3.2 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0501	0.0108	2.2000e-004	6.2900e-003	4.7000e-004	6.7600e-003	1.7300e-003	4.5000e-004	2.1800e-003	0.0000	21.0287	21.0287	4.0000e-005	3.3100e-003	22.0147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.3000e-004	7.0400e-003	2.0000e-005	2.2800e-003	1.0000e-005	2.2900e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.8663	1.8663	5.0000e-005	5.0000e-005	1.8832
<b>Total</b>	<b>1.7000e-003</b>	<b>0.0507</b>	<b>0.0178</b>	<b>2.4000e-004</b>	<b>8.5700e-003</b>	<b>4.8000e-004</b>	<b>9.0500e-003</b>	<b>2.3400e-003</b>	<b>4.6000e-004</b>	<b>2.8000e-003</b>	<b>0.0000</b>	<b>22.8950</b>	<b>22.8950</b>	<b>9.0000e-005</b>	<b>3.3600e-003</b>	<b>23.8979</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0198	0.0000	0.0198	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0312	0.2990	0.2458	5.0000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	44.1827	44.1827	0.0121	0.0000	44.4847
<b>Total</b>	<b>0.0312</b>	<b>0.2990</b>	<b>0.2458</b>	<b>5.0000e-004</b>	<b>0.0198</b>	<b>0.0138</b>	<b>0.0336</b>	<b>3.0000e-003</b>	<b>0.0129</b>	<b>0.0159</b>	<b>0.0000</b>	<b>44.1827</b>	<b>44.1827</b>	<b>0.0121</b>	<b>0.0000</b>	<b>44.4847</b>

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**3.2 Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0501	0.0108	2.2000e-004	3.7100e-003	4.7000e-004	4.1800e-003	1.1000e-003	4.5000e-004	1.5500e-003	0.0000	21.0287	21.0287	4.0000e-005	3.3100e-003	22.0147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.3000e-004	7.0400e-003	2.0000e-005	1.1900e-003	1.0000e-005	1.2100e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.8663	1.8663	5.0000e-005	5.0000e-005	1.8832
<b>Total</b>	<b>1.7000e-003</b>	<b>0.0507</b>	<b>0.0178</b>	<b>2.4000e-004</b>	<b>4.9000e-003</b>	<b>4.8000e-004</b>	<b>5.3900e-003</b>	<b>1.4400e-003</b>	<b>4.6000e-004</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>22.8950</b>	<b>22.8950</b>	<b>9.0000e-005</b>	<b>3.3600e-003</b>	<b>23.8979</b>

**3.3 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0773	0.0000	0.0773	0.0383	0.0000	0.0383	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4100e-003	0.0975	0.0601	1.3000e-004		4.4600e-003	4.4600e-003		4.1100e-003	4.1100e-003	0.0000	11.5181	11.5181	3.7300e-003	0.0000	11.6112
<b>Total</b>	<b>9.4100e-003</b>	<b>0.0975</b>	<b>0.0601</b>	<b>1.3000e-004</b>	<b>0.0773</b>	<b>4.4600e-003</b>	<b>0.0818</b>	<b>0.0383</b>	<b>4.1100e-003</b>	<b>0.0424</b>	<b>0.0000</b>	<b>11.5181</b>	<b>11.5181</b>	<b>3.7300e-003</b>	<b>0.0000</b>	<b>11.6112</b>

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

**3.3 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.4000e-004	2.7100e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7178	0.7178	2.0000e-005	2.0000e-005	0.7243
<b>Total</b>	<b>3.1000e-004</b>	<b>2.4000e-004</b>	<b>2.7100e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>8.8000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7178</b>	<b>0.7178</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7243</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0174	0.0000	0.0174	8.6100e-003	0.0000	8.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4100e-003	0.0975	0.0601	1.3000e-004		4.4600e-003	4.4600e-003		4.1100e-003	4.1100e-003	0.0000	11.5181	11.5181	3.7300e-003	0.0000	11.6112
<b>Total</b>	<b>9.4100e-003</b>	<b>0.0975</b>	<b>0.0601</b>	<b>1.3000e-004</b>	<b>0.0174</b>	<b>4.4600e-003</b>	<b>0.0219</b>	<b>8.6100e-003</b>	<b>4.1100e-003</b>	<b>0.0127</b>	<b>0.0000</b>	<b>11.5181</b>	<b>11.5181</b>	<b>3.7300e-003</b>	<b>0.0000</b>	<b>11.6112</b>

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

**3.3 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.4000e-004	2.7100e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.7178	0.7178	2.0000e-005	2.0000e-005	0.7243
<b>Total</b>	<b>3.1000e-004</b>	<b>2.4000e-004</b>	<b>2.7100e-003</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>4.6000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.7178</b>	<b>0.7178</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7243</b>

**3.4 Grading/Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2283	0.0000	0.2283	0.1095	0.0000	0.1095	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1179	1.2292	0.9920	2.2100e-003		0.0505	0.0505		0.0464	0.0464	0.0000	193.9967	193.9967	0.0627	0.0000	195.5653
<b>Total</b>	<b>0.1179</b>	<b>1.2292</b>	<b>0.9920</b>	<b>2.2100e-003</b>	<b>0.2283</b>	<b>0.0505</b>	<b>0.2787</b>	<b>0.1095</b>	<b>0.0464</b>	<b>0.1560</b>	<b>0.0000</b>	<b>193.9967</b>	<b>193.9967</b>	<b>0.0627</b>	<b>0.0000</b>	<b>195.5653</b>

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**3.4 Grading/Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2800e-003	0.0712	0.0154	3.1000e-004	8.9300e-003	6.7000e-004	9.6000e-003	2.4600e-003	6.4000e-004	3.1000e-003	0.0000	29.8874	29.8874	5.0000e-005	4.7000e-003	31.2887
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4800e-003	2.7500e-003	0.0307	9.0000e-005	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	5.0000e-005	2.6900e-003	0.0000	8.1349	8.1349	2.2000e-004	2.3000e-004	8.2090
<b>Total</b>	<b>4.7600e-003</b>	<b>0.0740</b>	<b>0.0460</b>	<b>4.0000e-004</b>	<b>0.0189</b>	<b>7.3000e-004</b>	<b>0.0196</b>	<b>5.1000e-003</b>	<b>6.9000e-004</b>	<b>5.7900e-003</b>	<b>0.0000</b>	<b>38.0223</b>	<b>38.0223</b>	<b>2.7000e-004</b>	<b>4.9300e-003</b>	<b>39.4976</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0514	0.0000	0.0514	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1179	1.2292	0.9920	2.2100e-003		0.0505	0.0505		0.0464	0.0464	0.0000	193.9965	193.9965	0.0627	0.0000	195.5650
<b>Total</b>	<b>0.1179</b>	<b>1.2292</b>	<b>0.9920</b>	<b>2.2100e-003</b>	<b>0.0514</b>	<b>0.0505</b>	<b>0.1018</b>	<b>0.0247</b>	<b>0.0464</b>	<b>0.0711</b>	<b>0.0000</b>	<b>193.9965</b>	<b>193.9965</b>	<b>0.0627</b>	<b>0.0000</b>	<b>195.5650</b>

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**3.4 Grading/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	tons/yr										MT/yr					
Hauling	1.2800e-003	0.0712	0.0154	3.1000e-004	5.2700e-003	6.7000e-004	5.9400e-003	1.5600e-003	6.4000e-004	2.2000e-003	0.0000	29.8874	29.8874	5.0000e-005	4.7000e-003	31.2887
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4800e-003	2.7500e-003	0.0307	9.0000e-005	5.2100e-003	6.0000e-005	5.2600e-003	1.4800e-003	5.0000e-005	1.5300e-003	0.0000	8.1349	8.1349	2.2000e-004	2.3000e-004	8.2090
<b>Total</b>	<b>4.7600e-003</b>	<b>0.0740</b>	<b>0.0460</b>	<b>4.0000e-004</b>	<b>0.0105</b>	<b>7.3000e-004</b>	<b>0.0112</b>	<b>3.0400e-003</b>	<b>6.9000e-004</b>	<b>3.7300e-003</b>	<b>0.0000</b>	<b>38.0223</b>	<b>38.0223</b>	<b>2.7000e-004</b>	<b>4.9300e-003</b>	<b>39.4976</b>

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0362	0.3567	0.5105	8.0000e-004		0.0179	0.0179		0.0164	0.0164	0.0000	70.0940	70.0940	0.0227	0.0000	70.6608
Paving	0.0603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0964</b>	<b>0.3567</b>	<b>0.5105</b>	<b>8.0000e-004</b>		<b>0.0179</b>	<b>0.0179</b>		<b>0.0164</b>	<b>0.0164</b>	<b>0.0000</b>	<b>70.0940</b>	<b>70.0940</b>	<b>0.0227</b>	<b>0.0000</b>	<b>70.6608</b>

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**3.5 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1500e-003	1.7000e-003	0.0190	5.0000e-005	6.1300e-003	3.0000e-005	6.1600e-003	1.6300e-003	3.0000e-005	1.6600e-003	0.0000	5.0245	5.0245	1.4000e-004	1.4000e-004	5.0703
<b>Total</b>	<b>2.1500e-003</b>	<b>1.7000e-003</b>	<b>0.0190</b>	<b>5.0000e-005</b>	<b>6.1300e-003</b>	<b>3.0000e-005</b>	<b>6.1600e-003</b>	<b>1.6300e-003</b>	<b>3.0000e-005</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>5.0245</b>	<b>5.0245</b>	<b>1.4000e-004</b>	<b>1.4000e-004</b>	<b>5.0703</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0362	0.3567	0.5105	8.0000e-004		0.0179	0.0179		0.0164	0.0164	0.0000	70.0940	70.0940	0.0227	0.0000	70.6607
Paving	0.0603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0964</b>	<b>0.3567</b>	<b>0.5105</b>	<b>8.0000e-004</b>		<b>0.0179</b>	<b>0.0179</b>		<b>0.0164</b>	<b>0.0164</b>	<b>0.0000</b>	<b>70.0940</b>	<b>70.0940</b>	<b>0.0227</b>	<b>0.0000</b>	<b>70.6607</b>

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**3.5 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1500e-003	1.7000e-003	0.0190	5.0000e-005	3.2200e-003	3.0000e-005	3.2500e-003	9.2000e-004	3.0000e-005	9.5000e-004	0.0000	5.0245	5.0245	1.4000e-004	1.4000e-004	5.0703
<b>Total</b>	<b>2.1500e-003</b>	<b>1.7000e-003</b>	<b>0.0190</b>	<b>5.0000e-005</b>	<b>3.2200e-003</b>	<b>3.0000e-005</b>	<b>3.2500e-003</b>	<b>9.2000e-004</b>	<b>3.0000e-005</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>5.0245</b>	<b>5.0245</b>	<b>1.4000e-004</b>	<b>1.4000e-004</b>	<b>5.0703</b>

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3476					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8700e-003	0.0195	0.0272	4.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	3.8299	3.8299	2.3000e-004	0.0000	3.8356
<b>Total</b>	<b>0.3505</b>	<b>0.0195</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>3.8356</b>



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**3.6 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3476					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8700e-003	0.0195	0.0272	4.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	3.8299	3.8299	2.3000e-004	0.0000	3.8356
<b>Total</b>	<b>0.3505</b>	<b>0.0195</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>3.8356</b>

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**3.6 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

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

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Improve Pedestrian Network

Provide Traffic Calming Measures

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

**4.2 Trip Summary Information**

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.496877	0.051428	0.175904	0.145344	0.046757	0.011047	0.006364	0.029466	0.000659	0.000000	0.029647	0.001374	0.005133
Other Non-Asphalt Surfaces	0.496877	0.051428	0.175904	0.145344	0.046757	0.011047	0.006364	0.029466	0.000659	0.000000	0.029647	0.001374	0.005133

**5.0 Energy Detail**





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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

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

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Unmitigated	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
<b>Total</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1400e-003</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2200e-003</b>



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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
<b>Total</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1400e-003</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2200e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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

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

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

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

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

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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