

Road Construction Emissions Model, Version 6.3.2

Emission Estimates for -	> Via Princessa East	Extension		Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust	
Project Phases (English Units)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)
Grubbing/Land Clearing	8.4	37.3	72.5	13.1	3.1	10.0	4.9	2.8	2.1	8,150.6
Grading/Excavation	8.3	36.4	70.1	13.0	3.0	10.0	4.8	2.7	2.1	8,179.6
Drainage/Utilities/Sub-Grade	3.0	13.5	22.5	11.1	1.1	10.0	3.1	1.0	2.1	3,022.3
Paving	1.9	8.7	11.4	1.0	1.0	-	0.9	0.9	-	1,327.3
Maximum (pounds/day)	8.4	37.3	72.5	13.1	3.1	10.0	4.9	2.8	2.1	8,179.6
Total (tons/construction project)	2.4	10.7	19.9	4.5	0.9	3.6	1.6	8.0	0.7	2,365.7

Notes: Project Start Year -> 2013
Project Length (months) -> 38
Total Project Area (acres) -> 25

Maximum Area Disturbed/Day (acres) -> 1
Total Soil Imported/Exported (yd³/day)-> 0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I. Total PM2.5 emissions shown in Column J are the sum of exhaust and fugitive dust emissions shown in columns K and L.

Emission Estimates for -	> Via Princessa East	Extension		Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust	
Project Phases (Metric Units)	ROG (kgs/day)	CO (kgs/day)	NOx (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM10 (kgs/day)	PM2.5 (kgs/day)	PM2.5 (kgs/day)	PM2.5 (kgs/day)	CO2 (kgs/day)
Grubbing/Land Clearing	3.8	16.9	33.0	5.9	1.4	4.5	2.2	1.3	0.9	3,704.8
Grading/Excavation	3.8	16.6	31.9	5.9	1.4	4.5	2.2	1.2	0.9	3,718.0
Drainage/Utilities/Sub-Grade	1.3	6.1	10.2	5.1	0.5	4.5	1.4	0.5	0.9	1,373.8
Paving	0.9	4.0	5.2	0.4	0.4	-	0.4	0.4	-	603.3
Maximum (kilograms/day)	3.8	16.9	33.0	5.9	1.4	4.5	2.2	1.3	0.9	3,718.0
Total (megagrams/construction project)	2.2	9.7	18.0	4.0	0.8	3.2	1.4	0.7	0.7	2,145.7

Notes: Project Start Year -> 2013
Project Length (months) -> 38
Total Project Area (hectares) -> 10
Maximum Area Disturbed/Day (hectares) -> 0
Total Soil Imported/Exported (meters³/day)-> 0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns H and I. Total PM2.5 emissions shown in Column J are the sume of exhaust and fugitive dust emissions shown in columns K and L.

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Air Quality\112.28 Via Princessa\Emissions\Onsite CutFill Emissions.urb924

Project Name: Via Princessa - onsite cut and fill

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	PM10 Dust	PM10 Exhaust	<u>PM10</u>	PM2.5 Dust	PM2.5 Exhaust	PM2.5
2013 TOTALS (lbs/day unmitigated)	249.05	0.99	250.04	52.01	0.91	52.92
2013 TOTALS (lbs/day mitigated)	44.19	0.99	45.18	9.23	0.91	10.14
2014 TOTALS (lbs/day unmitigated)	249.05	0.89	249.94	52.01	0.82	52.83
2014 TOTALS (lbs/day mitigated)	44.19	0.89	45.08	9.23	0.82	10.05
2015 TOTALS (lbs/day unmitigated)	249.05	0.81	249.87	52.01	0.75	52.76
2015 TOTALS (lbs/day mitigated)	44.19	0.81	45.00	9.23	0.75	9.98

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Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

	PM10 Dust	PM10 Exhaust	<u>PM10</u>	PM2.5 Dust	PM2.5 Exhaust	PM2.5
Time Slice 9/2/2013-12/31/2013 Active	<u>249.05</u>	0.99	<u>250.04</u>	<u>52.01</u>	<u>0.91</u>	<u>52.92</u>
Davs: 87 Mass Grading 09/01/2013-	249.05	0.99	250.04	52.01	0.91	52.92
01/31/2015 Mass Grading Dust	249.05	0.00	249.05	52.01	0.00	52.01
Mass Grading Off Road Diesel	0.00	0.99	0.99	0.00	0.91	0.91
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014 Active	249.05	0.89	249.94	<u>52.01</u>	0.82	<u>52.83</u>
Davs: 261 Mass Grading 09/01/2013-	249.05	0.89	249.94	52.01	0.82	52.83
01/31/2015 Mass Grading Dust	249.05	0.00	249.05	52.01	0.00	52.01
Mass Grading Off Road Diesel	0.00	0.89	0.89	0.00	0.82	0.82
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.01
Time Slice 1/1/2015-1/30/2015 Active	249.05	0.81	249.87	<u>52.01</u>	0.75	<u>52.76</u>
Davs: 22 Mass Grading 09/01/2013-	249.05	0.81	249.87	52.01	0.75	52.76
01/31/2015 Mass Grading Dust	249.05	0.00	249.05	52.01	0.00	52.01
Mass Grading Off Road Diesel	0.00	0.81	0.81	0.00	0.74	0.74
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.01

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Phase Assumptions

Phase: Mass Grading 9/1/2013 - 1/31/2015 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 25.2

Maximum Daily Acreage Disturbed: 1 Fugitive Dust Level of Detail: Low

Onsite Cut/Fill: 2025.84 cubic yards/day; Offsite Cut/Fill: 0 cubic yards/day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

	PM10 Dust	PM10 Exhaust	<u>PM10</u>	PM2.5 Dust	PM2.5 Exhaust	PM2.5
Time Slice 9/2/2013-12/31/2013 Active	<u>44.19</u>	0.99	<u>45.18</u>	9.23	<u>0.91</u>	<u>10.14</u>
Davs: 87 Mass Grading 09/01/2013-	44.19	0.99	45.18	9.23	0.91	10.14
01/31/2015 Mass Grading Dust	44.18	0.00	44.18	9.23	0.00	9.23
Mass Grading Off Road Diesel	0.00	0.99	0.99	0.00	0.91	0.91
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014 Active	<u>44.19</u>	0.89	<u>45.08</u>	9.23	0.82	<u>10.05</u>
Davs: 261 Mass Grading 09/01/2013- 01/31/2015 Mass Grading Dust	44.19	0.89	45.08	9.23	0.82	10.05
	44.18	0.00	44.18	9.23	0.00	9.23
Mass Grading Off Road Diesel	0.00	0.89	0.89	0.00	0.82	0.82
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00

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Mass Grading Worker Trips 0.01 0.00 0.01 0.00 0.00 0.01

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Time Slice 1/1/2015-1/30/2015 Active	<u>44.19</u>	<u>0.81</u>	<u>45.00</u>	<u>9.23</u>	<u>0.75</u>	9.98
Davs: 22 Mass Grading 09/01/2013-	44.19	0.81	45.00	9.23	0.75	9.98
01/31/2015 Mass Grading Dust	44.18	0.00	44.18	9.23	0.00	9.23
Mass Grading Off Road Diesel	0.00	0.81	0.81	0.00	0.74	0.74
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.01

Construction Related Mitigation Measures

 $The following \ mitigation \ measures \ apply \ to \ Phase: Mass \ Grading \ 9/1/2013 - 1/31/2015 - Default \ Mass \ Site \ Grading/Excavation \ Description$

For Soil Stablizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Manage haul road dust 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Air Quality\112.28 Via Princessa\Emissions\Onsite CutFill Emissions.urb924

Project Name: Via Princessa - onsite cut and fill

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	PM10 Dust	PM10 Exhaust	<u>PM10</u>	PM2.5 Dust	PM2.5 Exhaust	PM2.5
2013 TOTALS (lbs/day unmitigated)	249.05	0.99	250.04	52.01	0.91	52.92
2013 TOTALS (lbs/day mitigated)	44.19	0.99	45.18	9.23	0.91	10.14
2014 TOTALS (lbs/day unmitigated)	249.05	0.89	249.94	52.01	0.82	52.83
2014 TOTALS (lbs/day mitigated)	44.19	0.89	45.08	9.23	0.82	10.05
2015 TOTALS (lbs/day unmitigated)	249.05	0.81	249.87	52.01	0.75	52.76
2015 TOTALS (lbs/day mitigated)	44.19	0.81	45.00	9.23	0.75	9.98

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Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

	PM10 Dust	PM10 Exhaust	<u>PM10</u>	PM2.5 Dust	PM2.5 Exhaust	PM2.5
Time Slice 9/2/2013-12/31/2013	249.05	0.99	250.04	<u>52.01</u>	<u>0.91</u>	<u>52.92</u>
Active Days: 87 Mass Grading 09/01/2013-	249.05	0.99	250.04	52.01	0.91	52.92
01/31/2015 Mass Grading Dust	249.05	0.00	249.05	52.01	0.00	52.01
Mass Grading Off Road Diesel	0.00	0.99	0.99	0.00	0.91	0.91
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014	249.05	0.89	<u>249.94</u>	<u>52.01</u>	0.82	<u>52.83</u>
Active Days: 261 Mass Grading 09/01/2013-	249.05	0.89	249.94	52.01	0.82	52.83
01/31/2015 Mass Grading Dust	249.05	0.00	249.05	52.01	0.00	52.01
Mass Grading Off Road Diesel	0.00	0.89	0.89	0.00	0.82	0.82
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.01
Time Slice 1/1/2015-1/30/2015 Active	<u>249.05</u>	<u>0.81</u>	<u>249.87</u>	<u>52.01</u>	0.75	<u>52.76</u>
Davs: 22 Mass Grading 09/01/2013-	249.05	0.81	249.87	52.01	0.75	52.76
01/31/2015 Mass Grading Dust	249.05	0.00	249.05	52.01	0.00	52.01
Mass Grading Off Road Diesel	0.00	0.81	0.81	0.00	0.74	0.74
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.01

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Phase Assumptions

Phase: Mass Grading 9/1/2013 - 1/31/2015 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 25.2

Maximum Daily Acreage Disturbed: 1 Fugitive Dust Level of Detail: Low

Onsite Cut/Fill: 2025.84 cubic yards/day; Offsite Cut/Fill: 0 cubic yards/day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Mitigated

	PM10 Dust	PM10 Exhaust	<u>PM10</u>	PM2.5 Dust	PM2.5 Exhaust	PM2.5
Time Slice 9/2/2013-12/31/2013	44.19	0.99	<u>45.18</u>	9.23	<u>0.91</u>	<u>10.14</u>
Active Davs: 87 Mass Grading 09/01/2013-	44.19	0.99	45.18	9.23	0.91	10.14
01/31/2015 Mass Grading Dust	44.18	0.00	44.18	9.23	0.00	9.23
Mass Grading Off Road Diesel	0.00	0.99	0.99	0.00	0.91	0.91
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.00
Time Slice 1/1/2014-12/31/2014	44.19	0.89	<u>45.08</u>	9.23	0.82	10.05
Active Days: 261 Mass Grading 09/01/2013-	44.19	0.89	45.08	9.23	0.82	10.05
01/31/2015 Mass Grading Dust	44.18	0.00	44.18	9.23	0.00	9.23
Mass Grading Off Road Diesel	0.00	0.89	0.89	0.00	0.82	0.82
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.01

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Time Slice 1/1/2015-1/30/2015 Active	<u>44.19</u>	<u>0.81</u>	<u>45.00</u>	9.23	<u>0.75</u>	9.98
Days: 22 Mass Grading 09/01/2013- 01/31/2015	44.19	0.81	45.00	9.23	0.75	9.98
Mass Grading Dust	44.18	0.00	44.18	9.23	0.00	9.23
Mass Grading Off Road Diesel	0.00	0.81	0.81	0.00	0.74	0.74
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.01	0.00	0.01	0.00	0.00	0.01

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Mass Grading 9/1/2013 - 1/31/2015 - Default Mass Site Grading/Excavation Description For Soil Stablizing Measures, the Water exposed surfaces 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Manage haul road dust 3x daily watering mitigation reduces emissions by:

PM10: 61% PM25: 61%

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Air Quality\112.28 Via Princessa\Emissions\Operational Truck Emissions.urb924

Project Name: Via Princessa Operational Maintenance Trips

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	PM2.5		
TOTALS (lbs/day, unmitigated)	0.05	0.53	0.21	0.00	0.08	0.03		
SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES								
	ROG	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	PM2.5		
TOTALS (lbs/day, unmitigated)	0.05	0.53	0.21	0.00	0.08	0.03		

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25
Blank (Edit this description)	0.05	0.53	0.21	0.00	0.08	0.03
TOTALS (lbs/day, unmitigated)	0.05	0.53	0.21	0.00	0.08	0.03

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Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2016 Temperature (F): 80 Season: Summer

Emfac: Version: Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)		4.00	1000 sq ft	1.00	4.00	35.89
					4.00	35.89
		Vehicle Fleet Mix	<u> </u>			
Vehicle Type	Percent	Туре	Non-Cataly	st	Catalyst	Diesel
Light Auto		0.0	0	.2	99.6	0.2
Light Truck < 3750 lbs		0.0	0	.0	98.6	1.4
Light Truck 3751-5750 lbs		0.0	0	.0	100.0	0.0
Med Truck 5751-8500 lbs		0.0	0	.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs		0.0	0	.0	82.4	17.6
Lite-Heavy Truck 10,001-14,000 lbs		0.0	0	.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs		0.0	0	.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs		100.0	0	.0	0.0	100.0
Other Bus		0.0	0	.0	0.0	100.0
Urban Bus		0.0	0	.0	0.0	100.0
Motorcycle		0.0	48	.3	51.7	0.0
School Bus		0.0	0	.0	0.0	100.0
Motor Home		0.0	0	.0	88.9	11.1

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Travel Conditions

		Residential		Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.7	7.0	9.5	13.3	7.4	8.9
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Blank (Edit this description)				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Air Quality\112.28 Via Princessa\Emissions\Operational Truck Emissions.urb924

Project Name: Via Princessa Operational Maintenance Trips

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version: Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	PM2.5	
TOTALS (lbs/day, unmitigated)	0.05	0.59	0.21	0.00	0.08	0.03	
SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES							
	ROG	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	PM2.5	
TOTALS (lbs/day, unmitigated)	0.05	0.59	0.21	0.00	0.08	0.03	

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25
Blank (Edit this description)	0.05	0.59	0.21	0.00	0.08	0.03
TOTALS (lbs/day, unmitigated)	0.05	0.59	0.21	0.00	0.08	0.03

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Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2016 Temperature (F): 60 Season: Winter

Emfac: Version: Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	- Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)	ŭ	4.00	1000 sq ft	1.00	4.00	35.89
(4.00	35.89
		Vehicle Fleet Mix	,		1.00	00.00
Vehicle Type	Percent	Туре	Non-Cataly	<i>r</i> st	Catalyst	Diesel
Light Auto		0.0	C	.2	99.6	0.2
Light Truck < 3750 lbs		0.0	C	0.0	98.6	1.4
Light Truck 3751-5750 lbs		0.0	C	0.0	100.0	0.0
Med Truck 5751-8500 lbs		0.0	C	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs		0.0	C	0.0	82.4	17.6
Lite-Heavy Truck 10,001-14,000 lbs		0.0	C	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs		0.0	C	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs		100.0	C	0.0	0.0	100.0
Other Bus		0.0	C	0.0	0.0	100.0
Urban Bus		0.0	C	0.0	0.0	100.0
Motorcycle		0.0	48	3.3	51.7	0.0
School Bus		0.0	C	0.0	0.0	100.0
Motor Home		0.0	C	0.0	88.9	11.1

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Travel Conditions

		Residential		Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.7	7.0	9.5	13.3	7.4	8.9
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Blank (Edit this description)				2.0	1.0	97.0