

Appendix 5

MOBILE6.2 Inputs, Outputs, and Emission Factors

In order to calculate vehicle emission factors for the 2005 annual average day and peak ozone season, two MOBILE6.2 runs were performed for each month as follows: I/M program in place and no I/M program in place. A portion of the MOBILE6.2 input and output files are provided in this appendix as an example. Scenarios for each facility type are characterized by average speed and the roadway scenario in the input file. The MOBILE6.2 emission factors produced by the runs were subsequently weighted together using the appropriate proportions as described in Section 5.5 Emission Factor Estimation.

MOBILE6.2 Input

MOBILE6 INPUT FILE : RUN DATA
NO 2007 HDDV RULE :
STAGE II REFUELING :
94 1 80.77 80.77 I/M PROGRAM : 1 1977 2050 1 T/O LOADED/IDLE
I/M MODEL YEARS : 1 1967 2050
I/M VEHICLES : 1 11111 22222222 2
I/M STRINGENCY : 1 28.0
I/M COMPLIANCE : 1 97.0
I/M WAIVER RATES : 1 1.3 1.0
I/M GRACE PERIOD : 1 5
I/M PROGRAM : 2 1977 2050 2 T/O IM240
I/M MODEL YEARS : 2 1981 1995
I/M VEHICLES : 2 22222 11111111 1
I/M STRINGENCY : 2 28.0
I/M COMPLIANCE : 2 97.0
I/M WAIVER RATES : 2 1.3 1.0
I/M GRACE PERIOD : 2 5
I/M CUTPOINTS : 2 CUTPNT05.d
I/M PROGRAM : 3 1977 2050 1 T/O LOADED/IDLE
I/M MODEL YEARS : 3 1967 1980
I/M VEHICLES : 3 22222 11111111 1
I/M STRINGENCY : 3 28.0
I/M COMPLIANCE : 3 97.0
I/M WAIVER RATES : 3 1.3 1.0
I/M PROGRAM : 4 2001 2050 2 T/O OBD I/M
I/M MODEL YEARS : 4 1996 2050
I/M VEHICLES : 4 22222 11111111 1
I/M STRINGENCY : 4 28.0
I/M COMPLIANCE : 4 97.0
I/M WAIVER RATES : 4 1.3 1.0
I/M GRACE PERIOD : 4 5
I/M PROGRAM : 5 2001 2050 2 T/O EVAP OBD & GC
I/M MODEL YEARS : 5 1996 2050
I/M VEHICLES : 5 22222 11111111 1
I/M STRINGENCY : 5 28.0
I/M COMPLIANCE : 5 97.0
I/M WAIVER RATES : 5 1.3 1.0
I/M GRACE PERIOD : 5 5
ANTI-TAMP PROG :
87 75 80 22222 22222222 2 11 097. 22111222
ANTI-TAMP PROG :
87 81 95 11111 22222222 2 11 097. 22111222 REG DIST : 02reg05.d
DIESEL FRACTIONS :
0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009
0.0006 0.0001 0.0003 0.0006 0.0013 0.0004 0.0004 0.0001 0.0027 0.0032
0.0097 0.0162 0.0241 0.0510 0.0706
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0033
0.0048 0.0120 0.0223 0.0656 0.0616
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0033
0.0048 0.0120 0.0223 0.0656 0.0616
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0115 0.0111 0.0145 0.0115 0.0129 0.0096 0.0083 0.0072 0.0082 0.0124
0.0135 0.0169 0.0209 0.0256 0.0013
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0115 0.0111 0.0145 0.0115 0.0129 0.0096 0.0083 0.0072 0.0082 0.0124
0.0135 0.0169 0.0209 0.0256 0.0013
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.2578 0.2515 0.3263 0.2784 0.2963 0.2384 0.2058 0.1756 0.1958 0.2726
0.2743 0.3004 0.2918 0.2859 0.0138
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.7715 0.7910 0.8105 0.8068 0.8280 0.8477 0.7940 0.7488 0.7789 0.7842
0.6145 0.5139 0.5032 0.4277 0.0079
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8473 0.8048 0.8331 0.7901 0.7316 0.7275 0.7158 0.5647 0.3178 0.2207
0.1968 0.1570 0.0738 0.0341 0.0414
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4384 0.3670 0.4125 0.3462 0.2771 0.2730 0.2616 0.1543 0.0615 0.0383
0.0333 0.0255 0.0111 0.0049 0.0060
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
0.6078 0.5246 0.5767 0.5289 0.5788 0.5617 0.4537 0.4216 0.4734 0.4705
0.4525 0.4310 0.3569 0.3690 0.4413
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8443 0.7943 0.8266 0.7972 0.8279 0.8177 0.7440 0.7184 0.7588 0.7567
0.7431 0.7261 0.6602 0.6717 0.7344
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9989 0.9987 0.9989 0.9977 0.9984 0.9982 0.9979 0.9969 0.9978 0.9980
0.9979 0.9976 0.9969 0.9978 0.9982
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.8857 0.8525 0.8795 0.9900 0.9105 0.8760 0.7710 0.7502 0.7345 0.6733
0.5155 0.3845 0.3238 0.3260 0.2639 ** Rural: Principal Arterial - Interstate
SCENARIO RECORD : I/M Rural Principal Arterial - Interstate, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 58.0 Freeway
VMT BY FACILITY : allfwy.def
FUEL PROGRAM : 2 S ** Rural: Principal Arterial - Other
SCENARIO RECORD : I/M Rural Principal Arterial - Other, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1

MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 29.4 Arterial
VMT BY FACILITY : allart.def
FUEL PROGRAM : 2 S ** Rural: Minor Arterial
SCENARIO RECORD : I/M Rural Minor Arterial, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 29.4 Arterial
VMT BY FACILITY : allart.def
FUEL PROGRAM : 2 S ** Rural: Major Collector
SCENARIO RECORD : I/M Rural Major Collector, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 26.9 Arterial
VMT BY FACILITY : allart.def
FUEL PROGRAM : 2 S ** Rural: Minor Collector
SCENARIO RECORD : I/M Rural Minor Collector, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 26.9 Arterial
VMT BY FACILITY : allart.def
FUEL PROGRAM : 2 S ** Rural: Local
SCENARIO RECORD : I/M Rural Local, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 12.9 Arterial
VMT BY FACILITY : allloc.def
FUEL PROGRAM : 2 S ** Urban: Principal Arterial - Interstate
SCENARIO RECORD : I/M Urban Principal Arterial - Interstate, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 50.1 Freeway
VMT BY FACILITY : allfwy.def
FUEL PROGRAM : 2 S ** Urban: Freeways & Expressways
SCENARIO RECORD : I/M Urban Freeways & Expressways, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 49.3 Freeway
VMT BY FACILITY : allfwy.def
FUEL PROGRAM : 2 S ** Urban: Principal Arterial - Other
SCENARIO RECORD : I/M Urban Principal Arterial - Other, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 28.8 Arterial
VMT BY FACILITY : allart.def
FUEL PROGRAM : 2 S ** Urban: Minor Arterial
SCENARIO RECORD : I/M Urban Minor Arterial, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 28.8 Arterial
VMT BY FACILITY : allart.def
FUEL PROGRAM : 2 S ** Urban: Collector
SCENARIO RECORD : I/M Urban Collector, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 22.1 Arterial
VMT BY FACILITY : allart.def
FUEL PROGRAM : 2 S ** Urban: Local
SCENARIO RECORD : I/M Urban Local, July 2005
CALENDAR YEAR : 2005
EVALUATION MONTH : 7
ALTITUDE : 1
MIN/MAX TEMPERATURE: 79. 116.
FUEL RVP : 7.0
AVERAGE SPEED : 12.9 Arterial
VMT BY FACILITY : allloc.def
FUEL PROGRAM : 2 S END OF RUN

HDDV	MC	All Veh	<6000	>6000	(All)						
GVWR:											
VMT Distribution:	0.4132	0.3281	0.1227			0.0357	0.0008	0.0021	0.0926	0.0048	1.0000

Composite Emission Factors (g/mi):											
Composite VOC :	0.968	1.129	1.360	1.192	1.332	0.773	0.866	0.554	4.21	1.059	
Composite CO :	8.21	10.00	11.59	10.43	11.68	1.811	1.409	2.579	22.52	8.863	
Composite NOX :	0.817	0.993	1.347	1.090	3.857	1.341	1.170	9.282	0.94	1.834	

* * * * *
 * I/M Rural Local (PM10), July 2005
 * File 1, Run 1, Scenario 6.
 * * * * * M583 Warning:
 The user supplied arterial average speed of 12.9
 will be used for all hours of the day. 100% of VMT
 has been assigned to the arterial/collector roadway
 type for all hours of the day and all vehicle types. * Reading Hourly Roadway VMT distribution from the following

external

* data file: ALLLOC.DEF Reading User Supplied ROADWAY VMT Factors

M 48 Warning:

there are no sales for vehicle class HDGV8b Calendar Year: 2005

Month: July
 Altitude: Low
 Minimum Temperature: 79.0 (F)
 Maximum Temperature: 116.0 (F)
 Absolute Humidity: 75. grains/lb
 Fuel Sulfur Content: 90. ppm Exhaust I/M Program: Yes
 Evap I/M Program: Yes
 ATP Program: Yes
 Reformulated Gas: Yes Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT

HDDV	MC	All Veh	<6000	>6000	(All)						
GVWR:											
VMT Distribution:	0.4132	0.3281	0.1227			0.0357	0.0008	0.0021	0.0926	0.0048	1.0000

Composite Emission Factors (g/mi):											
Composite VOC :	1.267	1.521	1.852	1.611	2.259	1.064	1.202	0.926	5.31	1.445	
Composite CO :	9.50	10.99	12.97	11.53	24.59	2.698	2.114	5.247	42.02	10.696	
Composite NOX :	1.105	1.249	1.678	1.366	3.418	1.721	1.504	11.946	0.82	2.309	

* * * * *
 * I/M Urban Principal Arterial - Interstate (PM10), July 2005
 * File 1, Run 1, Scenario 7.
 * * * * * M582 Warning:
 The user supplied freeway average speed of 50.1
 will be used for all hours of the day. 100% of VMT
 has been assigned to a fixed combination of freeways
 and freeway ramps for all hours of the day and all
 vehicle types. * Reading Hourly Roadway VMT distribution from the following external

* data file: ALLFWY.DEF Reading User Supplied ROADWAY VMT Factors

M 48 Warning:

there are no sales for vehicle class HDGV8b Calendar Year: 2005

Month: July
 Altitude: Low
 Minimum Temperature: 79.0 (F)
 Maximum Temperature: 116.0 (F)
 Absolute Humidity: 75. grains/lb
 Fuel Sulfur Content: 90. ppm Exhaust I/M Program: Yes
 Evap I/M Program: Yes
 ATP Program: Yes
 Reformulated Gas: Yes Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT

HDDV	MC	All Veh	<6000	>6000	(All)						
GVWR:											
VMT Distribution:	0.4132	0.3281	0.1227			0.0357	0.0008	0.0021	0.0926	0.0048	1.0000

Composite Emission Factors (g/mi):											
Composite VOC :	0.854	0.981	1.171	1.032	0.944	0.608	0.674	0.343	3.76	0.904	
Composite CO :	10.95	12.70	14.49	13.19	8.93	1.536	1.190	1.751	14.90	11.023	
Composite NOX :	0.793	1.013	1.356	1.106	4.614	1.608	1.405	12.672	1.14	2.174	

* * * * *
 * I/M Urban Freeways & Expressways (PM10), July 2005
 * File 1, Run 1, Scenario 8.
 * * * * * M582 Warning:
 The user supplied freeway average speed of 49.3
 will be used for all hours of the day. 100% of VMT
 has been assigned to a fixed combination of freeways
 and freeway ramps for all hours of the day and all
 vehicle types. * Reading Hourly Roadway VMT distribution from the following external

* data file: ALLFWY.DEF Reading User Supplied ROADWAY VMT Factors

M 48 Warning:

there are no sales for vehicle class HDGV8b Calendar Year: 2005

Month: July
 Altitude: Low
 Minimum Temperature: 79.0 (F)
 Maximum Temperature: 116.0 (F)
 Absolute Humidity: 75. grains/lb
 Fuel Sulfur Content: 90. ppm Exhaust I/M Program: Yes
 Evap I/M Program: Yes
 ATP Program: Yes
 Reformulated Gas: Yes Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT

HDDV	MC	All Veh	<6000	>6000	(All)						
GVWR:											
VMT Distribution:	0.4132	0.3281	0.1227			0.0357	0.0008	0.0021	0.0926	0.0048	1.0000


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Composite Emission Factors (g/mi):										
Composite VOC :	0.857	0.984	1.176	1.036	0.949	0.610	0.677	0.345	3.76	0.907
Composite CO :	10.84	12.59	14.37	13.07	8.79	1.532	1.187	1.739	14.90	10.922
Composite NOX :	0.791	1.010	1.353	1.103	4.586	1.572	1.373	12.416	1.12	2.147

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* #####
* I/M Urban Principal Arterial - Other (PM10), July 2005
* File 1, Run 1, Scenario 9.
* ##### M583 Warning:
  The user supplied arterial average speed of 28.8
  will be used for all hours of the day. 100% of VMT
  has been assigned to the arterial/collector roadway
  type for all hours of the day and all vehicle types. * Reading Hourly Roadway VMT distribution from the following
external

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* data file: ALLART.DEF Reading User Supplied ROADWAY VMT Factors
M 48 Warning:
  there are no sales for vehicle class HDGV8b Calendar Year: 2005
  Month: July
  Altitude: Low
  Minimum Temperature: 79.0 (F)
  Maximum Temperature: 116.0 (F)
  Absolute Humidity: 75. grains/lb
  Fuel Sulfur Content: 90. ppm Exhaust I/M Program: Yes
  Evap I/M Program: Yes
  ATP Program: Yes
  Reformulated Gas: Yes Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT
  MC All Veh
  HDDV GVWR: <6000 >6000 (All)
  VMT Distribution: 0.4132 0.3281 0.1227 0.0357 0.0008 0.0021 0.0926 0.0048 1.0000
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Composite Emission Factors (g/mi):										
Composite VOC :	0.950	1.109	1.334	1.170	1.271	0.749	0.838	0.523	4.14	1.036
Composite CO :	8.22	10.03	11.61	10.46	10.89	1.752	1.362	2.402	21.25	8.830
Composite NOX :	0.798	0.977	1.326	1.072	3.916	1.321	1.152	9.139	0.96	1.807

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* #####
* I/M Urban Minor Arterial (PM10), July 2005
* File 1, Run 1, Scenario 10.
* ##### M583 Warning:
  The user supplied arterial average speed of 28.8
  will be used for all hours of the day. 100% of VMT
  has been assigned to the arterial/collector roadway
  type for all hours of the day and all vehicle types. * Reading Hourly Roadway VMT distribution from the following
external

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```

* data file: ALLART.DEF Reading User Supplied ROADWAY VMT Factors
M 48 Warning:
  there are no sales for vehicle class HDGV8b Calendar Year: 2005
  Month: July
  Altitude: Low
  Minimum Temperature: 79.0 (F)
  Maximum Temperature: 116.0 (F)
  Absolute Humidity: 75. grains/lb
  Fuel Sulfur Content: 90. ppm Exhaust I/M Program: Yes
  Evap I/M Program: Yes
  ATP Program: Yes
  Reformulated Gas: Yes Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT
  MC All Veh
  HDDV GVWR: <6000 >6000 (All)
  VMT Distribution: 0.4132 0.3281 0.1227 0.0357 0.0008 0.0021 0.0926 0.0048 1.0000
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Composite Emission Factors (g/mi):										
Composite VOC :	0.950	1.109	1.334	1.170	1.271	0.749	0.838	0.523	4.14	1.036
Composite CO :	8.22	10.03	11.61	10.46	10.89	1.752	1.362	2.402	21.25	8.830
Composite NOX :	0.798	0.977	1.326	1.072	3.916	1.321	1.152	9.139	0.96	1.807

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* #####
* I/M Urban Collector (PM10), July 2005
* File 1, Run 1, Scenario 11.
* ##### M583 Warning:
  The user supplied arterial average speed of 22.1
  will be used for all hours of the day. 100% of VMT
  has been assigned to the arterial/collector roadway
  type for all hours of the day and all vehicle types. * Reading Hourly Roadway VMT distribution from the following
external

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```

* data file: ALLART.DEF Reading User Supplied ROADWAY VMT Factors
M 48 Warning:
  there are no sales for vehicle class HDGV8b Calendar Year: 2005
  Month: July
  Altitude: Low
  Minimum Temperature: 79.0 (F)
  Maximum Temperature: 116.0 (F)
  Absolute Humidity: 75. grains/lb
  Fuel Sulfur Content: 90. ppm Exhaust I/M Program: Yes
  Evap I/M Program: Yes
  ATP Program: Yes
  Reformulated Gas: Yes Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT
  MC All Veh
  HDDV GVWR: <6000 >6000 (All)
  VMT Distribution: 0.4132 0.3281 0.1227 0.0357 0.0008 0.0021 0.0926 0.0048 1.0000
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Composite Emission Factors (g/mi):										
Composite VOC :	1.033	1.201	1.451	1.269	1.537	0.848	0.952	0.649	4.44	1.138
Composite CO :	8.32	10.01	11.66	10.46	14.41	2.008	1.565	3.170	26.48	9.092

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MOBILE6.2 Emission Factors January 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HdGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.789	0.967	1.007	0.731	0.572	0.598	0.316	3.470
	CO	11.535	14.893	15.149	6.845	1.576	1.151	2.030	14.780
	NOX	0.755	1.065	1.289	5.114	2.108	1.813	16.003	1.780
Rural Principal Arterial - Other	VOC	0.919	1.119	1.169	1.045	0.714	0.759	0.495	3.360
	CO	8.970	12.003	12.153	6.410	1.690	1.239	2.375	10.930
	NOX	0.688	0.972	1.191	4.111	1.299	1.111	8.950	1.270
Rural Minor Arterial	VOC	0.919	1.119	1.169	1.045	0.714	0.759	0.495	3.360
	CO	8.970	12.003	12.153	6.410	1.690	1.239	2.375	10.930
	NOX	0.688	0.972	1.191	4.111	1.299	1.111	8.950	1.270
Rural Major Collector	VOC	0.945	1.145	1.197	1.116	0.744	0.794	0.533	3.450
	CO	9.014	12.047	12.216	7.026	1.766	1.299	2.605	11.710
	NOX	0.702	0.990	1.213	4.031	1.325	1.134	9.130	1.240
Rural Minor Collector	VOC	0.945	1.145	1.197	1.116	0.744	0.794	0.533	3.450
	CO	9.014	12.047	12.216	7.026	1.766	1.299	2.605	11.710
	NOX	0.702	0.990	1.213	4.031	1.325	1.134	9.130	1.240
Rural Local	VOC	1.314	1.590	1.668	1.995	1.030	1.118	0.891	4.460
	CO	10.305	13.539	13.931	14.781	2.653	1.990	5.301	21.040
	NOX	0.888	1.216	1.486	3.572	1.702	1.460	11.718	1.080
Urban Principal Arterial - Interstate	VOC	0.814	1.001	1.043	0.763	0.582	0.610	0.330	3.040
	CO	10.826	14.066	14.273	5.369	1.491	1.084	1.769	8.070
	NOX	0.727	1.028	1.250	4.823	1.590	1.363	12.441	1.520
Urban Freeway & Expressway	VOC	0.817	1.004	1.047	0.769	0.584	0.613	0.332	3.040
	CO	10.755	13.985	14.182	5.287	1.487	1.081	1.757	8.070
	NOX	0.724	1.025	1.246	4.793	1.553	1.332	12.192	1.490
Urban Principal Arterial - Other	VOC	0.925	1.125	1.176	1.061	0.721	0.767	0.503	3.380
	CO	8.980	12.005	12.173	6.551	1.707	1.253	2.426	11.110
	NOX	0.691	0.976	1.196	4.093	1.305	1.116	8.991	1.260
Urban Minor Arterial	VOC	0.925	1.125	1.176	1.061	0.721	0.767	0.503	3.380
	CO	8.980	12.005	12.173	6.551	1.707	1.253	2.426	11.110
	NOX	0.691	0.976	1.196	4.093	1.305	1.116	8.991	1.260
Urban Collector	VOC	1.012	1.217	1.275	1.296	0.818	0.877	0.625	3.660
	CO	9.194	12.248	12.458	8.664	1.963	1.452	3.202	13.610
	NOX	0.740	1.035	1.269	3.872	1.403	1.202	9.668	1.170
Urban Local	VOC	1.314	1.590	1.668	1.995	1.030	1.118	0.891	4.460
	CO	10.305	13.539	13.931	14.781	2.653	1.990	5.301	21.040
	NOX	0.888	1.216	1.486	3.572	1.702	1.460	11.718	1.080

February 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial – Interstate	VOC	0.733	0.907	0.953	0.662	0.572	0.598	0.316	2.900
	CO	11.226	14.753	14.929	6.763	1.576	1.151	2.030	14.210
	NOX	0.753	1.068	1.287	5.110	2.108	1.813	16.003	1.830
Rural Principal Arterial – Other	VOC	0.859	1.056	1.113	0.970	0.714	0.759	0.495	2.790
	CO	8.920	12.073	12.142	6.329	1.690	1.239	2.375	10.510
	NOX	0.674	0.969	1.184	4.108	1.299	1.111	8.950	1.300
Rural Minor Arterial	VOC	0.859	1.056	1.113	0.970	0.714	0.759	0.495	2.790
	CO	8.920	12.073	12.142	6.329	1.690	1.239	2.375	10.510
	NOX	0.674	0.969	1.184	4.108	1.299	1.111	8.950	1.300
Rural Major Collector	VOC	0.884	1.082	1.141	1.040	0.744	0.794	0.533	2.880
	CO	8.964	12.136	12.215	6.936	1.766	1.299	2.605	11.260
	NOX	0.688	0.987	1.205	4.028	1.325	1.134	9.130	1.270
Rural Minor Collector	VOC	0.884	1.082	1.141	1.040	0.744	0.794	0.533	2.880
	CO	8.964	12.136	12.215	6.936	1.766	1.299	2.605	11.260
	NOX	0.688	0.987	1.205	4.028	1.325	1.134	9.130	1.270
Rural Local	VOC	1.239	1.511	1.597	1.904	1.030	1.118	0.891	3.880
	CO	10.222	13.705	13.995	14.589	2.653	1.990	5.301	20.220
	NOX	0.854	1.206	1.469	3.570	1.702	1.460	11.718	1.110
Urban Principal Arterial – Interstate	VOC	0.759	0.941	0.989	0.694	0.582	0.610	0.330	2.470
	CO	10.587	13.986	14.112	5.298	1.491	1.084	1.769	7.760
	NOX	0.723	1.030	1.247	4.820	1.590	1.363	12.441	1.550
Urban Freeway & Expressway	VOC	0.762	0.945	0.993	0.699	0.584	0.613	0.332	2.470
	CO	10.526	13.906	14.031	5.216	1.487	1.081	1.757	7.760
	NOX	0.720	1.026	1.243	4.790	1.553	1.332	12.192	1.530
Urban Principal Arterial – Other	VOC	0.865	1.062	1.119	0.985	0.721	0.767	0.503	2.810
	CO	8.930	12.093	12.162	6.461	1.707	1.253	2.426	10.680
	NOX	0.677	0.973	1.189	4.090	1.305	1.116	8.991	1.290
Urban Minor Arterial	VOC	0.865	1.062	1.119	0.985	0.721	0.767	0.503	2.810
	CO	8.930	12.093	12.162	6.461	1.707	1.253	2.426	10.680
	NOX	0.677	0.973	1.189	4.090	1.305	1.116	8.991	1.290
Urban Collector	VOC	0.948	1.153	1.218	1.218	0.818	0.877	0.625	3.080
	CO	9.154	12.377	12.496	8.553	1.963	1.452	3.202	13.080
	NOX	0.721	1.031	1.259	3.870	1.403	1.202	9.668	1.200
Urban Local	VOC	1.239	1.511	1.597	1.904	1.030	1.118	0.891	3.880
	CO	10.222	13.705	13.995	14.589	2.653	1.990	5.301	20.220
	NOX	0.854	1.206	1.469	3.570	1.702	1.460	11.718	1.110

March 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial – Interstate	VOC	0.820	0.990	1.024	0.796	0.572	0.598	0.316	3.940
	CO	11.080	14.208	14.656	6.896	1.576	1.151	2.030	15.700
	NOX	0.736	1.040	1.269	5.079	2.108	1.813	16.003	1.700
Rural Principal Arterial – Other	VOC	0.971	1.152	1.195	1.130	0.714	0.759	0.495	3.830
	CO	8.436	11.271	11.610	6.451	1.690	1.239	2.375	11.540
	NOX	0.682	0.954	1.179	4.083	1.299	1.111	8.950	1.210
Rural Minor Arterial	VOC	0.971	1.152	1.195	1.130	0.714	0.759	0.495	3.830
	CO	8.436	11.271	11.610	6.451	1.690	1.239	2.375	11.540
	NOX	0.682	0.954	1.179	4.083	1.299	1.111	8.950	1.210
Rural Major Collector	VOC	0.998	1.179	1.224	1.202	0.744	0.794	0.533	3.920
	CO	8.470	11.305	11.645	7.076	1.766	1.299	2.605	12.390
	NOX	0.698	0.973	1.201	4.004	1.325	1.134	9.130	1.180
Rural Minor Collector	VOC	0.998	1.179	1.224	1.202	0.744	0.794	0.533	3.920
	CO	8.470	11.305	11.645	7.076	1.766	1.299	2.605	12.390
	NOX	0.698	0.973	1.201	4.004	1.325	1.134	9.130	1.180
Rural Local	VOC	1.416	1.638	1.708	2.125	1.030	1.118	0.891	4.940
	CO	9.734	12.678	13.251	14.883	2.653	1.990	5.301	22.450
	NOX	0.893	1.198	1.477	3.548	1.702	1.460	11.718	1.030
Urban Principal Arterial - Interstate	VOC	0.848	1.026	1.062	0.832	0.582	0.610	0.330	3.500
	CO	10.341	13.362	13.760	5.409	1.491	1.084	1.769	8.450
	NOX	0.712	1.006	1.232	4.791	1.590	1.363	12.441	1.450
Urban Freeway & Expressway	VOC	0.852	1.030	1.066	0.838	0.584	0.613	0.332	3.500
	CO	10.271	13.271	13.669	5.318	1.487	1.081	1.757	8.450
	NOX	0.709	1.002	1.229	4.761	1.553	1.332	12.192	1.420
Urban Principal Arterial - Other	VOC	0.977	1.158	1.202	1.146	0.721	0.767	0.503	3.850
	CO	8.446	11.281	11.620	6.592	1.707	1.253	2.426	11.730
	NOX	0.686	0.958	1.184	4.065	1.305	1.116	8.991	1.210
Urban Minor Arterial	VOC	0.977	1.158	1.202	1.146	0.721	0.767	0.503	3.850
	CO	8.446	11.281	11.620	6.592	1.707	1.253	2.426	11.730
	NOX	0.686	0.958	1.184	4.065	1.305	1.116	8.991	1.210
Urban Collector	VOC	1.071	1.255	1.305	1.388	0.818	0.877	0.625	4.130
	CO	8.631	11.466	11.856	8.725	1.963	1.452	3.202	14.430
	NOX	0.738	1.018	1.258	3.847	1.403	1.202	9.668	1.120
Urban Local	VOC	1.416	1.638	1.708	2.125	1.030	1.118	0.891	4.940
	CO	9.734	12.678	13.251	14.883	2.653	1.990	5.301	22.450
	NOX	0.893	1.198	1.477	3.548	1.702	1.460	11.718	1.030

April 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.804	0.950	1.145	0.839	0.597	0.662	0.329	4.100
	CO	10.820	13.688	15.930	10.713	1.622	1.259	2.009	21.370
	NOX	0.714	0.967	1.327	4.841	2.132	1.865	16.339	1.610
Rural Principal Arterial - Other	VOC	0.949	1.092	1.331	1.194	0.742	0.829	0.514	3.990
	CO	8.117	10.823	12.627	10.036	1.735	1.349	2.351	15.650
	NOX	0.671	0.890	1.243	3.891	1.315	1.147	9.098	1.150
Rural Minor Arterial	VOC	0.949	1.092	1.331	1.194	0.742	0.829	0.514	3.990
	CO	8.117	10.823	12.627	10.036	1.735	1.349	2.351	15.650
	NOX	0.671	0.890	1.243	3.891	1.315	1.147	9.098	1.150
Rural Major Collector	VOC	0.976	1.118	1.363	1.274	0.773	0.866	0.554	4.080
	CO	8.140	10.846	12.672	10.996	1.811	1.409	2.579	16.810
	NOX	0.688	0.907	1.267	3.816	1.341	1.170	9.282	1.130
Rural Minor Collector	VOC	0.976	1.118	1.363	1.274	0.773	0.866	0.554	4.080
	CO	8.140	10.846	12.672	10.996	1.811	1.409	2.579	16.810
	NOX	0.688	0.907	1.267	3.816	1.341	1.170	9.282	1.130
Rural Local	VOC	1.396	1.512	1.858	2.293	1.064	1.202	0.926	5.110
	CO	9.409	12.195	14.446	23.134	2.698	2.114	5.247	30.660
	NOX	0.892	1.124	1.558	3.382	1.721	1.504	11.946	0.980
Urban Principal Arterial - Interstate	VOC	0.830	0.980	1.186	0.873	0.608	0.674	0.343	3.660
	CO	10.061	12.861	14.954	8.399	1.536	1.190	1.751	11.390
	NOX	0.692	0.935	1.291	4.566	1.608	1.405	12.672	1.370
Urban Freeway & Expressway	VOC	0.833	0.983	1.190	0.879	0.610	0.677	0.345	3.660
	CO	9.990	12.771	14.854	8.267	1.532	1.187	1.739	11.390
	NOX	0.690	0.932	1.288	4.538	1.572	1.373	12.416	1.350
Urban Principal Arterial - Other	VOC	0.955	1.098	1.338	1.212	0.749	0.838	0.523	4.010
	CO	8.118	10.824	12.638	10.248	1.752	1.362	2.402	15.910
	NOX	0.675	0.894	1.248	3.874	1.321	1.152	9.139	1.150
Urban Minor Arterial	VOC	0.955	1.098	1.338	1.212	0.749	0.838	0.523	4.010
	CO	8.118	10.824	12.638	10.248	1.752	1.362	2.402	15.910
	NOX	0.675	0.894	1.248	3.874	1.321	1.152	9.139	1.150
Urban Collector	VOC	1.047	1.187	1.451	1.480	0.848	0.952	0.649	4.300
	CO	8.292	10.989	12.886	13.554	2.008	1.565	3.170	19.620
	NOX	0.730	0.951	1.326	3.666	1.420	1.240	9.837	1.070
Urban Local	VOC	1.396	1.512	1.858	2.293	1.064	1.202	0.926	5.110
	CO	9.409	12.195	14.446	23.134	2.698	2.114	5.247	30.660
	NOX	0.892	1.124	1.558	3.382	1.721	1.504	11.946	0.980

May 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDBGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	1.072	1.213	1.422	1.263	0.597	0.662	0.329	6.420
	CO	12.201	14.892	17.426	12.664	1.622	1.259	2.009	26.780
	NOX	0.738	0.986	1.349	4.785	2.132	1.865	16.339	1.480
Rural Principal Arterial - Other	VOC	1.358	1.429	1.691	1.781	0.742	0.829	0.514	6.310
	CO	8.859	11.546	13.595	11.856	1.735	1.349	2.351	19.470
	NOX	0.707	0.914	1.272	3.845	1.315	1.147	9.098	1.060
Rural Minor Arterial	VOC	1.358	1.429	1.691	1.781	0.742	0.829	0.514	6.310
	CO	8.859	11.546	13.595	11.856	1.735	1.349	2.351	19.470
	NOX	0.707	0.914	1.272	3.845	1.315	1.147	9.098	1.060
Rural Major Collector	VOC	1.407	1.466	1.736	1.887	0.773	0.866	0.554	6.400
	CO	8.883	11.551	13.621	12.988	1.811	1.409	2.579	20.950
	NOX	0.726	0.932	1.297	3.771	1.341	1.170	9.282	1.030
Rural Minor Collector	VOC	1.407	1.466	1.736	1.887	0.773	0.866	0.554	6.400
	CO	8.883	11.551	13.621	12.988	1.811	1.409	2.579	20.950
	NOX	0.726	0.932	1.297	3.771	1.341	1.170	9.282	1.030
Rural Local	VOC	2.274	2.069	2.463	3.390	1.064	1.202	0.926	7.460
	CO	10.394	13.014	15.569	27.331	2.698	2.114	5.247	38.640
	NOX	0.958	1.161	1.604	3.342	1.721	1.504	11.946	0.900
Urban Principal Arterial - Interstate	VOC	1.114	1.257	1.478	1.316	0.608	0.674	0.343	5.960
	CO	11.271	13.926	16.291	9.926	1.536	1.190	1.751	14.040
	NOX	0.718	0.955	1.314	4.513	1.608	1.405	12.672	1.260
Urban Freeway & Expressway	VOC	1.119	1.263	1.485	1.325	0.610	0.677	0.345	5.960
	CO	11.171	13.825	16.180	9.773	1.532	1.187	1.739	14.040
	NOX	0.716	0.952	1.311	4.485	1.572	1.373	12.416	1.240
Urban Principal Arterial - Other	VOC	1.369	1.437	1.702	1.804	0.749	0.838	0.523	6.330
	CO	8.869	11.548	13.606	12.109	1.752	1.362	2.402	19.800
	NOX	0.711	0.918	1.277	3.829	1.321	1.152	9.139	1.050
Urban Minor Arterial	VOC	1.369	1.437	1.702	1.804	0.749	0.838	0.523	6.330
	CO	8.869	11.548	13.606	12.109	1.752	1.362	2.402	19.800
	NOX	0.711	0.918	1.277	3.829	1.321	1.152	9.139	1.050
Urban Collector	VOC	1.527	1.563	1.857	2.151	0.848	0.952	0.649	6.620
	CO	9.054	11.684	13.826	16.021	2.008	1.565	3.170	24.550
	NOX	0.776	0.979	1.359	3.623	1.420	1.240	9.837	0.980
Urban Local	VOC	2.274	2.069	2.463	3.390	1.064	1.202	0.926	7.460
	CO	10.394	13.014	15.569	27.331	2.698	2.114	5.247	38.640
	NOX	0.958	1.161	1.604	3.342	1.721	1.504	11.946	0.900

June 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDBGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.830	0.954	1.135	0.905	0.597	0.662	0.329	4.300
	CO	11.818	13.727	15.623	11.100	1.622	1.259	2.009	26.700
	NOX	0.812	1.048	1.390	4.878	2.132	1.865	16.339	1.400
Rural Principal Arterial - Other	VOC	0.942	1.102	1.325	1.242	0.742	0.829	0.514	4.190
	CO	8.206	10.140	11.710	10.392	1.735	1.349	2.351	19.330
	NOX	0.785	0.972	1.316	3.920	1.315	1.147	9.098	1.000
Rural Minor Arterial	VOC	0.942	1.102	1.325	1.242	0.742	0.829	0.514	4.190
	CO	8.206	10.140	11.710	10.392	1.735	1.349	2.351	19.330
	NOX	0.785	0.972	1.316	3.920	1.315	1.147	9.098	1.000
Rural Major Collector	VOC	0.966	1.128	1.358	1.321	0.773	0.866	0.554	4.280
	CO	8.209	10.104	11.695	11.393	1.811	1.409	2.579	20.820
	NOX	0.809	0.993	1.342	3.845	1.341	1.170	9.282	0.980
Rural Minor Collector	VOC	0.966	1.128	1.358	1.321	0.773	0.866	0.554	4.280
	CO	8.209	10.104	11.695	11.393	1.811	1.409	2.579	20.820
	NOX	0.809	0.993	1.342	3.845	1.341	1.170	9.282	0.980
Rural Local	VOC	1.266	1.513	1.843	2.242	1.064	1.202	0.926	5.360
	CO	9.555	11.222	13.214	23.968	2.698	2.114	5.247	38.670
	NOX	1.085	1.244	1.668	3.407	1.721	1.504	11.946	0.850
Urban Principal Arterial - Interstate	VOC	0.852	0.982	1.172	0.937	0.608	0.674	0.343	3.840
	CO	10.813	12.694	14.470	8.704	1.536	1.190	1.751	13.850
	NOX	0.791	1.015	1.355	4.601	1.608	1.405	12.672	1.190
Urban Freeway & Expressway	VOC	0.855	0.986	1.177	0.943	0.610	0.677	0.345	3.840
	CO	10.712	12.584	14.360	8.572	1.532	1.187	1.739	13.850
	NOX	0.789	1.012	1.352	4.572	1.572	1.373	12.416	1.170
Urban Principal Arterial - Other	VOC	0.947	1.108	1.332	1.260	0.749	0.838	0.523	4.210
	CO	8.206	10.131	11.710	10.614	1.752	1.362	2.402	19.660
	NOX	0.791	0.977	1.322	3.903	1.321	1.152	9.139	0.990
Urban Minor Arterial	VOC	0.947	1.108	1.332	1.260	0.749	0.838	0.523	4.210
	CO	8.206	10.131	11.710	10.614	1.752	1.362	2.402	19.660
	NOX	0.791	0.977	1.322	3.903	1.321	1.152	9.139	0.990
Urban Collector	VOC	1.030	1.199	1.448	1.523	0.848	0.952	0.649	4.500
	CO	8.338	10.154	11.807	14.051	2.008	1.565	3.170	24.450
	NOX	0.867	1.045	1.409	3.694	1.420	1.240	9.837	0.930
Urban Local	VOC	1.266	1.513	1.843	2.242	1.064	1.202	0.926	5.360
	CO	9.555	11.222	13.214	23.968	2.698	2.114	5.247	38.670
	NOX	1.085	1.244	1.668	3.407	1.721	1.504	11.946	0.850

July 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.838	0.960	1.141	0.913	0.597	0.662	0.329	4.230
	CO	12.124	13.904	15.830	11.515	1.622	1.259	2.009	28.940
	NOX	0.821	1.054	1.399	4.896	2.132	1.865	16.339	1.340
Rural Principal Arterial - Other	VOC	0.952	1.113	1.336	1.258	0.742	0.829	0.514	4.120
	CO	8.343	10.169	11.769	10.778	1.735	1.349	2.351	20.890
	NOX	0.802	0.981	1.329	3.935	1.315	1.147	9.098	0.960
Rural Minor Arterial	VOC	0.952	1.113	1.336	1.258	0.742	0.829	0.514	4.120
	CO	8.343	10.169	11.769	10.778	1.735	1.349	2.351	20.890
	NOX	0.802	0.981	1.329	3.935	1.315	1.147	9.098	0.960
Rural Major Collector	VOC	0.977	1.139	1.371	1.338	0.773	0.866	0.554	4.210
	CO	8.337	10.133	11.744	11.809	1.811	1.409	2.579	22.520
	NOX	0.827	1.002	1.356	3.859	1.341	1.170	9.282	0.940
Rural Minor Collector	VOC	0.977	1.139	1.371	1.338	0.773	0.866	0.554	4.210
	CO	8.337	10.133	11.744	11.809	1.811	1.409	2.579	22.520
	NOX	0.827	1.002	1.356	3.859	1.341	1.170	9.282	0.940
Rural Local	VOC	1.280	1.536	1.867	2.272	1.064	1.202	0.926	5.310
	CO	9.695	11.192	13.206	24.860	2.698	2.114	5.247	42.020
	NOX	1.117	1.260	1.689	3.420	1.721	1.504	11.946	0.820
Urban Principal Arterial - Interstate	VOC	0.860	0.989	1.179	0.947	0.608	0.674	0.343	3.760
	CO	11.079	12.831	14.638	9.028	1.536	1.190	1.751	14.900
	NOX	0.802	1.022	1.365	4.617	1.608	1.405	12.672	1.140
Urban Freeway & Expressway	VOC	0.863	0.992	1.184	0.952	0.610	0.677	0.345	3.760
	CO	10.969	12.721	14.518	8.887	1.532	1.187	1.739	14.900
	NOX	0.800	1.019	1.362	4.589	1.572	1.373	12.416	1.120
Urban Principal Arterial - Other	VOC	0.958	1.119	1.344	1.276	0.749	0.838	0.523	4.140
	CO	8.343	10.160	11.760	11.010	1.752	1.362	2.402	21.250
	NOX	0.808	0.986	1.335	3.918	1.321	1.152	9.139	0.960
Urban Minor Arterial	VOC	0.958	1.119	1.344	1.276	0.749	0.838	0.523	4.140
	CO	8.343	10.160	11.760	11.010	1.752	1.362	2.402	21.250
	NOX	0.808	0.986	1.335	3.918	1.321	1.152	9.139	0.960
Urban Collector	VOC	1.042	1.212	1.463	1.544	0.848	0.952	0.649	4.440
	CO	8.456	10.154	11.826	14.569	2.008	1.565	3.170	26.480
	NOX	0.888	1.056	1.425	3.707	1.420	1.240	9.837	0.890
Urban Local	VOC	1.280	1.536	1.867	2.272	1.064	1.202	0.926	5.310
	CO	9.695	11.192	13.206	24.860	2.698	2.114	5.247	42.020
	NOX	1.117	1.260	1.689	3.420	1.721	1.504	11.946	0.820

August 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDBGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.822	0.945	1.126	0.890	0.597	0.662	0.329	4.180
	CO	11.806	13.696	15.593	11.038	1.622	1.259	2.009	26.320
	NOX	0.812	1.047	1.390	4.876	2.132	1.865	16.339	1.400
Rural Principal Arterial - Other	VOC	0.934	1.093	1.315	1.227	0.742	0.829	0.514	4.060
	CO	8.185	10.100	11.679	10.331	1.735	1.349	2.351	19.050
	NOX	0.786	0.972	1.316	3.919	1.315	1.147	9.098	1.000
Rural Minor Arterial	VOC	0.934	1.093	1.315	1.227	0.742	0.829	0.514	4.060
	CO	8.185	10.100	11.679	10.331	1.735	1.349	2.351	19.050
	NOX	0.786	0.972	1.316	3.919	1.315	1.147	9.098	1.000
Rural Major Collector	VOC	0.958	1.119	1.349	1.306	0.773	0.866	0.554	4.160
	CO	8.188	10.064	11.665	11.322	1.811	1.409	2.579	20.520
	NOX	0.810	0.992	1.342	3.843	1.341	1.170	9.282	0.980
Rural Minor Collector	VOC	0.958	1.119	1.349	1.306	0.773	0.866	0.554	4.160
	CO	8.188	10.064	11.665	11.322	1.811	1.409	2.579	20.520
	NOX	0.810	0.992	1.342	3.843	1.341	1.170	9.282	0.980
Rural Local	VOC	1.258	1.504	1.833	2.225	1.064	1.202	0.926	5.240
	CO	9.524	11.181	13.164	23.817	2.698	2.114	5.247	38.130
	NOX	1.087	1.245	1.668	3.406	1.721	1.504	11.946	0.860
Urban Principal Arterial - Interstate	VOC	0.843	0.973	1.163	0.923	0.608	0.674	0.343	3.710
	CO	10.792	12.663	14.440	8.653	1.536	1.190	1.751	13.640
	NOX	0.792	1.015	1.355	4.599	1.608	1.405	12.672	1.190
Urban Freeway & Expressway	VOC	0.847	0.977	1.168	0.928	0.610	0.677	0.345	3.710
	CO	10.692	12.553	14.330	8.512	1.532	1.187	1.739	13.640
	NOX	0.790	1.011	1.352	4.570	1.572	1.373	12.416	1.170
Urban Principal Arterial - Other	VOC	0.939	1.098	1.322	1.245	0.749	0.838	0.523	4.080
	CO	8.185	10.091	11.670	10.553	1.752	1.362	2.402	19.380
	NOX	0.791	0.977	1.322	3.902	1.321	1.152	9.139	1.000
Urban Minor Arterial	VOC	0.939	1.098	1.322	1.245	0.749	0.838	0.523	4.080
	CO	8.185	10.091	11.670	10.553	1.752	1.362	2.402	19.380
	NOX	0.791	0.977	1.322	3.902	1.321	1.152	9.139	1.000
Urban Collector	VOC	1.021	1.190	1.439	1.508	0.848	0.952	0.649	4.380
	CO	8.308	10.114	11.767	13.960	2.008	1.565	3.170	24.100
	NOX	0.868	1.045	1.409	3.692	1.420	1.240	9.837	0.930
Urban Local	VOC	1.258	1.504	1.833	2.225	1.064	1.202	0.926	5.240
	CO	9.524	11.181	13.164	23.817	2.698	2.114	5.247	38.130
	NOX	1.087	1.245	1.668	3.406	1.721	1.504	11.946	0.860

September 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HdGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.788	0.911	1.091	0.835	0.597	0.662	0.329	3.830
	CO	11.579	13.548	15.414	10.493	1.622	1.259	2.009	23.850
	NOX	0.805	1.041	1.381	4.871	2.132	1.865	16.339	1.450
Rural Principal Arterial - Other	VOC	0.898	1.055	1.276	1.165	0.742	0.829	0.514	3.720
	CO	8.086	10.050	11.590	9.825	1.735	1.349	2.351	17.290
	NOX	0.774	0.964	1.304	3.915	1.315	1.147	9.098	1.030
Rural Minor Arterial	VOC	0.898	1.055	1.276	1.165	0.742	0.829	0.514	3.720
	CO	8.086	10.050	11.590	9.825	1.735	1.349	2.351	17.290
	NOX	0.774	0.964	1.304	3.915	1.315	1.147	9.098	1.030
Rural Major Collector	VOC	0.922	1.080	1.309	1.242	0.773	0.866	0.554	3.820
	CO	8.089	10.024	11.585	10.765	1.811	1.409	2.579	18.620
	NOX	0.796	0.984	1.330	3.839	1.341	1.170	9.282	1.010
Rural Minor Collector	VOC	0.922	1.080	1.309	1.242	0.773	0.866	0.554	3.820
	CO	8.089	10.024	11.585	10.765	1.811	1.409	2.579	18.620
	NOX	0.796	0.984	1.330	3.839	1.341	1.170	9.282	1.010
Rural Local	VOC	1.221	1.456	1.783	2.150	1.064	1.202	0.926	4.880
	CO	9.423	11.169	13.122	22.652	2.698	2.114	5.247	34.510
	NOX	1.062	1.231	1.650	3.403	1.721	1.504	11.946	0.880
Urban Principal Arterial - Interstate	VOC	0.809	0.939	1.128	0.866	0.608	0.674	0.343	3.380
	CO	10.614	12.534	14.290	8.227	1.536	1.190	1.751	12.410
	NOX	0.783	1.008	1.346	4.594	1.608	1.405	12.672	1.230
Urban Freeway & Expressway	VOC	0.813	0.942	1.132	0.871	0.610	0.677	0.345	3.380
	CO	10.513	12.434	14.170	8.097	1.532	1.187	1.739	12.410
	NOX	0.781	1.004	1.342	4.566	1.572	1.373	12.416	1.210
Urban Principal Arterial - Other	VOC	0.903	1.061	1.283	1.182	0.749	0.838	0.523	3.740
	CO	8.087	10.041	11.590	10.037	1.752	1.362	2.402	17.590
	NOX	0.778	0.968	1.310	3.898	1.321	1.152	9.139	1.030
Urban Minor Arterial	VOC	0.903	1.061	1.283	1.182	0.749	0.838	0.523	3.740
	CO	8.087	10.041	11.590	10.037	1.752	1.362	2.402	17.590
	NOX	0.778	0.968	1.310	3.898	1.321	1.152	9.139	1.030
Urban Collector	VOC	0.984	1.149	1.397	1.441	0.848	0.952	0.649	4.040
	CO	8.219	10.084	11.707	13.272	2.008	1.565	3.170	21.850
	NOX	0.852	1.035	1.396	3.689	1.420	1.240	9.837	0.960
Urban Local	VOC	1.221	1.456	1.783	2.150	1.064	1.202	0.926	4.880
	CO	9.423	11.169	13.122	22.652	2.698	2.114	5.247	34.510
	NOX	1.062	1.231	1.650	3.403	1.721	1.504	11.946	0.880

October 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.820	0.939	1.127	0.895	0.599	0.668	0.335	4.560
	CO	10.007	12.154	14.512	9.161	1.623	1.278	2.021	19.850
	NOX	0.714	0.946	1.320	4.992	2.176	1.924	16.877	1.560
Rural Principal Arterial - Other	VOC	0.994	1.099	1.328	1.274	0.746	0.839	0.523	4.450
	CO	7.329	9.393	11.272	8.575	1.737	1.371	2.364	14.500
	NOX	0.678	0.873	1.240	4.013	1.342	1.182	9.374	1.120
Rural Minor Arterial	VOC	0.994	1.099	1.328	1.274	0.746	0.839	0.523	4.450
	CO	7.329	9.393	11.272	8.575	1.737	1.371	2.364	14.500
	NOX	0.678	0.873	1.240	4.013	1.342	1.182	9.374	1.120
Rural Major Collector	VOC	1.025	1.127	1.361	1.356	0.778	0.876	0.564	4.540
	CO	7.343	9.387	11.287	9.394	1.814	1.433	2.594	15.580
	NOX	0.696	0.891	1.264	3.936	1.368	1.206	9.564	1.090
Rural Minor Collector	VOC	1.025	1.127	1.361	1.356	0.778	0.876	0.564	4.540
	CO	7.343	9.387	11.287	9.394	1.814	1.433	2.594	15.580
	NOX	0.696	0.891	1.264	3.936	1.368	1.206	9.564	1.090
Rural Local	VOC	1.517	1.550	1.883	2.429	1.073	1.219	0.942	5.600
	CO	8.506	10.437	12.773	19.778	2.710	2.158	5.278	28.540
	NOX	0.910	1.106	1.561	3.487	1.757	1.551	12.302	0.950
Urban Principal Arterial - Interstate	VOC	0.849	0.973	1.170	0.933	0.610	0.681	0.349	4.110
	CO	9.260	11.360	13.558	7.180	1.536	1.207	1.761	10.520
	NOX	0.694	0.916	1.285	4.708	1.641	1.449	13.108	1.330
Urban Freeway & Expressway	VOC	0.853	0.977	1.174	0.939	0.612	0.683	0.352	4.110
	CO	9.180	11.279	13.458	7.068	1.532	1.204	1.749	10.520
	NOX	0.692	0.913	1.282	4.679	1.604	1.416	12.845	1.310
Urban Principal Arterial - Other	VOC	1.001	1.106	1.335	1.292	0.753	0.847	0.532	4.470
	CO	7.330	9.384	11.273	8.757	1.755	1.384	2.416	14.740
	NOX	0.682	0.877	1.245	3.996	1.348	1.188	9.417	1.110
Urban Minor Arterial	VOC	1.001	1.106	1.335	1.292	0.753	0.847	0.532	4.470
	CO	7.330	9.384	11.273	8.757	1.755	1.384	2.416	14.740
	NOX	0.682	0.877	1.245	3.996	1.348	1.188	9.417	1.110
Urban Collector	VOC	1.105	1.200	1.453	1.567	0.853	0.964	0.661	4.760
	CO	7.472	9.476	11.439	11.589	2.013	1.593	3.188	18.220
	NOX	0.741	0.934	1.325	3.780	1.449	1.278	10.134	1.030
Urban Local	VOC	1.517	1.550	1.883	2.429	1.073	1.219	0.942	5.600
	CO	8.506	10.437	12.773	19.778	2.710	2.158	5.278	28.540
	NOX	0.910	1.106	1.561	3.487	1.757	1.551	12.302	0.950

November 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HDGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.775	0.921	1.120	0.784	0.599	0.668	0.335	4.010
	CO	11.132	13.626	15.886	8.452	1.623	1.278	2.021	16.610
	NOX	0.730	0.976	1.355	5.039	2.176	1.924	16.877	1.730
Rural Principal Arterial - Other	VOC	0.901	1.053	1.291	1.113	0.746	0.839	0.523	3.900
	CO	8.580	10.902	12.701	7.907	1.737	1.371	2.364	12.280
	NOX	0.676	0.894	1.263	4.051	1.342	1.182	9.374	1.230
Rural Minor Arterial	VOC	0.901	1.053	1.291	1.113	0.746	0.839	0.523	3.900
	CO	8.580	10.902	12.701	7.907	1.737	1.371	2.364	12.280
	NOX	0.676	0.894	1.263	4.051	1.342	1.182	9.374	1.230
Rural Major Collector	VOC	0.925	1.076	1.320	1.189	0.778	0.876	0.564	3.990
	CO	8.604	10.925	12.746	8.665	1.814	1.433	2.594	13.160
	NOX	0.692	0.910	1.286	3.973	1.368	1.206	9.564	1.210
Rural Minor Collector	VOC	0.925	1.076	1.320	1.189	0.778	0.876	0.564	3.990
	CO	8.604	10.925	12.746	8.665	1.814	1.433	2.594	13.160
	NOX	0.692	0.910	1.286	3.973	1.368	1.206	9.564	1.210
Rural Local	VOC	1.280	1.441	1.780	2.136	1.073	1.219	0.942	5.030
	CO	9.825	12.193	14.469	18.238	2.710	2.158	5.278	23.630
	NOX	0.885	1.124	1.577	3.520	1.757	1.551	12.302	1.050
Urban Principal Arterial - Interstate	VOC	0.799	0.951	1.158	0.814	0.610	0.681	0.349	3.570
	CO	10.424	12.850	14.950	6.622	1.536	1.207	1.761	9.070
	NOX	0.706	0.943	1.317	4.752	1.641	1.449	13.108	1.470
Urban Freeway & Expressway	VOC	0.802	0.954	1.162	0.819	0.612	0.683	0.352	3.570
	CO	10.353	12.770	14.859	6.521	1.532	1.204	1.749	9.070
	NOX	0.703	0.940	1.313	4.723	1.604	1.416	12.845	1.450
Urban Principal Arterial - Other	VOC	0.906	1.058	1.297	1.130	0.753	0.847	0.532	3.920
	CO	8.581	10.912	12.703	8.078	1.755	1.384	2.416	12.480
	NOX	0.679	0.897	1.268	4.033	1.348	1.188	9.417	1.230
Urban Minor Arterial	VOC	0.906	1.058	1.297	1.130	0.753	0.847	0.532	3.920
	CO	8.581	10.912	12.703	8.078	1.755	1.384	2.416	12.480
	NOX	0.679	0.897	1.268	4.033	1.348	1.188	9.417	1.230
Urban Collector	VOC	0.988	1.140	1.401	1.385	0.853	0.964	0.661	4.210
	CO	8.764	11.075	12.969	10.696	2.013	1.593	3.188	15.290
	NOX	0.732	0.953	1.345	3.816	1.449	1.278	10.134	1.140
Urban Local	VOC	1.280	1.441	1.780	2.136	1.073	1.219	0.942	5.030
	CO	9.825	12.193	14.469	18.238	2.710	2.158	5.278	23.630
	NOX	0.885	1.124	1.577	3.520	1.757	1.551	12.302	1.050

December 2005 (Weighted by 91.6% of I/M and 8.4% of Non-I/M)

Facility Type	Pollutant	LDGV	LDGT 12	LDGT 34	HdGV	LDDV	LDDT	HDDV	MC
Rural Principal Arterial - Interstate	VOC	0.746	0.910	1.119	0.724	0.599	0.668	0.335	3.510
	CO	11.253	14.045	16.354	7.996	1.623	1.278	2.021	14.540
	NOX	0.723	0.980	1.368	5.019	2.176	1.924	16.877	1.850
Rural Principal Arterial - Other	VOC	0.869	1.044	1.293	1.050	0.746	0.839	0.523	3.400
	CO	8.958	11.517	13.338	7.481	1.737	1.371	2.364	10.850
	NOX	0.654	0.891	1.265	4.034	1.342	1.182	9.374	1.320
Rural Minor Arterial	VOC	0.869	1.044	1.293	1.050	0.746	0.839	0.523	3.400
	CO	8.958	11.517	13.338	7.481	1.737	1.371	2.364	10.850
	NOX	0.654	0.891	1.265	4.034	1.342	1.182	9.374	1.320
Rural Major Collector	VOC	0.894	1.068	1.324	1.128	0.778	0.876	0.564	3.490
	CO	9.001	11.570	13.413	8.198	1.814	1.433	2.594	11.600
	NOX	0.668	0.907	1.287	3.957	1.368	1.206	9.564	1.290
Rural Minor Collector	VOC	0.894	1.068	1.324	1.128	0.778	0.876	0.564	3.490
	CO	9.001	11.570	13.413	8.198	1.814	1.433	2.594	11.600
	NOX	0.668	0.907	1.287	3.957	1.368	1.206	9.564	1.290
Rural Local	VOC	1.236	1.457	1.811	2.072	1.073	1.219	0.942	4.510
	CO	10.222	12.986	15.303	17.265	2.710	2.158	5.278	20.550
	NOX	0.837	1.113	1.569	3.506	1.757	1.551	12.302	1.130
Urban Principal Arterial - Interstate	VOC	0.771	0.939	1.158	0.754	0.610	0.681	0.349	3.070
	CO	10.624	13.327	15.468	6.267	1.536	1.207	1.761	8.100
	NOX	0.696	0.946	1.327	4.733	1.641	1.449	13.108	1.580
Urban Freeway & Expressway	VOC	0.774	0.943	1.163	0.759	0.612	0.683	0.352	3.070
	CO	10.553	13.247	15.377	6.176	1.532	1.204	1.749	8.100
	NOX	0.693	0.942	1.323	4.704	1.604	1.416	12.845	1.550
Urban Principal Arterial - Other	VOC	0.875	1.049	1.301	1.068	0.753	0.847	0.532	3.420
	CO	8.969	11.528	13.359	7.642	1.755	1.384	2.416	11.020
	NOX	0.657	0.895	1.270	4.017	1.348	1.188	9.417	1.310
Urban Minor Arterial	VOC	0.875	1.049	1.301	1.068	0.753	0.847	0.532	3.420
	CO	8.969	11.528	13.359	7.642	1.755	1.384	2.416	11.020
	NOX	0.657	0.895	1.270	4.017	1.348	1.188	9.417	1.310
Urban Collector	VOC	0.955	1.132	1.407	1.324	0.853	0.964	0.661	3.700
	CO	9.181	11.771	13.696	10.118	2.013	1.593	3.188	13.420
	NOX	0.703	0.949	1.344	3.801	1.449	1.278	10.134	1.220
Urban Local	VOC	1.236	1.457	1.811	2.072	1.073	1.219	0.942	4.510
	CO	10.222	12.986	15.303	17.265	2.710	2.158	5.278	20.550
	NOX	0.837	1.113	1.569	3.506	1.757	1.551	12.302	1.130