2002 ACTUAL ON-ROAD MOBILE EMISSIONS INVENTORY
LAFAYETTE PARISH
PEAK OZONE SEASON, RVP 7.8

ROAD CLASS	SPEED (MPH)	VOC (G/MI)	NOx (G/MI)	VMT (MI/DAY)	VOC (TPD)	NOx (TPD)
01	63.0	1.200	4.833	121,545	0.16	0.65
02	58.5	1.276	2.596	55,852	0.08	0.16
06	49.5	1.326	2.122	86,913	0.13	0.20
07	45.0	1.372	1.789	313,238	0.47	0.62
08	36.0	1.459	1.816	88,690	0.14	0.18
09	27.0	2.295	1.819	84,389	0.21	0.17
11	58.5	1.283	2.515	963,648	1.36	2.67
12	58.5	1.303	2.071	0	0.00	0.00
14	49.5	1.354	1.651	1,711,664	2.55	3.12
16	45.0	1.395	1.470	1,147,810	1.76	1.86
17	36.0	1.477	1.408	301,801	0.49	0.47
19	27.0	2.297	1.325	112,935	0.29	0.16
				4,988,485	7.66	10.25

ROADWAY FUNCTIONAL CLASS CODE

01 - RURAL PRINCIPAL ARTERIAL, INTERSTATE
02 - RURAL PRINCIPAL ARTERIAL, OTHER
06 - RURAL MINOR ARTERIAL
07 - RURAL MAJOR COLLECTOR
08 - RURAL MINOR COLLECTOR
09 - RURAL LOCAL ROAD

11 - URBAN PRINCIPAL ARTERIAL, INTERSTATE
12 - URBAN PRINCIPAL ARTERIAL, FREEWAY
14 - URBAN PRINCIPAL ARTERIAL, OTHER
16 - URBAN MINOR ARTERIAL
17 - URBAN COLLECTOR
19 - URBAN LOCAL ROAD

LDEQ, OEA, 8/3/2005

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* Lafayette Parish; Ozone Season, 2002
******************  Header Section  ***************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
******************  Run Section  ******************************
>Year 2002 - Lafayette Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 73.1 91.2
ABSOLUTE HUMIDITY  : 150.5
FUEL RVP           : 7.8
REG DIST           : LA_REGD.D
ANTI-TAMP PROG     : 00 80 95 22222 21111111 1 11 072. 22222222
******************  Scenario Section  *************************
SCENARIO REC       : Rural interstate, 63.0
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 63.0 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS      :
0.599  0.038  0.127  0.014  0.007  0.068  0.007  0.005
0.004  0.015  0.017  0.019  0.069  0.003  0.002  0.006
******************  Scenario Section  *************************
SCENARIO REC       : Rural principal arterial, 58.5
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 58.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.652  0.048  0.160  0.016  0.008  0.036  0.004  0.003
0.002  0.008  0.009  0.010  0.037  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor arterial, 49.5
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.672  0.046  0.155  0.017  0.008  0.032  0.003  0.002
0.002  0.007  0.008  0.009  0.032  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural major collector, 45.0
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.667  0.054  0.178  0.017  0.008  0.023  0.002  0.002
0.001  0.005  0.006  0.007  0.024  0.001  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor collector, 36.0
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.639  0.056  0.186  0.009  0.004  0.027  0.003  0.002
0.002  0.006  0.007  0.008  0.027  0.001  0.001  0.022
******************  Scenario Section  *************************
SCENARIO REC       : Rural local, 27.0
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
VMT BY FACILITY    : localvmt.d
VMT FRACTIONS      :
0.654  0.057  0.189  0.003  0.002  0.024  0.002  0.002
0.001  0.005  0.006  0.007  0.025  0.001  0.001  0.021
```

```
******************  Scenario Section  ************************
SCENARIO REC        : Urban interstate, 58.5
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.720  0.037  0.122  0.019  0.009  0.030  0.003  0.002
0.002  0.006  0.008  0.008  0.030  0.001  0.001  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban other expressway, 58.5
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.764  0.034  0.112  0.018  0.008  0.020  0.002  0.002
0.001  0.004  0.005  0.006  0.021  0.001  0.000  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban principal arterial, 49.5
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.766  0.034  0.113  0.018  0.008  0.018  0.002  0.001
0.001  0.004  0.005  0.005  0.018  0.001  0.000  0.006
******************  Scenario Section  ************************
SCENARIO REC        : Urban minor arterial, 45.0
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.773  0.040  0.131  0.009  0.004  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.014  0.001  0.000  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban collector, 36.0
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.772  0.037  0.125  0.007  0.003  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.013  0.001  0.000  0.016
******************  Scenario Section  ************************
SCENARIO REC        : Urban local, 27.0
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7
ALTITUDE            : 1
VMT BY FACILITY     : localvmt.d
VMT FRACTIONS       :
0.797  0.037  0.122  0.003  0.001  0.008  0.001  0.001
0.000  0.002  0.002  0.002  0.009  0.000  0.000  0.015

END OF RUN
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE6\RUN\LAFSIP\22055_02.IN (file 1, run 1).       *
************************************************************************
*Year 2002 - Lafayette Parish Emission Factors
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading Registration Distributions from the following external
* data file: LA_REGD.D

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural interstate, 63.0

* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 63.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
               User supplied VMT mix.
  M 48 Warning:
               there are no sales for vehicle class HDGV8b

                    Calendar Year:  2002
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                     Nominal Fuel RVP:   7.8 psi
                        Weathered RVP:   7.5 psi
                Fuel Sulfur Content:  279. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.5978	0.1648	0.0207		0.0633	0.0012	0.0005	0.1457	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.336	1.375	0.864	1.318	1.163	0.663	1.121	0.441	2.99	1.200
Composite NOX :	1.090	1.178	1.168	1.177	5.994	2.576	2.896	24.517	1.36	4.833

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Rural principal arterial, 58.5

* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 58.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b

                  Calendar Year:  2002
                          Month:  July
                       Altitude:  Low
              Minimum Temperature:  73.1 (F)
              Maximum Temperature:  91.2 (F)
                Absolute Humidity:  151. grains/lb
                  Nominal Fuel RVP:  7.8 psi
                     Weathered RVP:  7.5 psi
              Fuel Sulfur Content:  279. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6507	0.2078	0.0236		0.0337	0.0013	0.0006	0.0783	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.351	1.394	0.870	1.340	1.187	0.665	1.173	0.443	2.68	1.276
Composite NOX :	1.078	1.159	1.149	1.158	5.836	2.176	2.505	18.150	1.26	2.596

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural minor arterial, 49.5

* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 49.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b
```

```
                Calendar Year:  2002
                        Month:  July
                     Altitude:  Low
            Minimum Temperature:  73.1 (F)
            Maximum Temperature:  91.2 (F)
              Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:  7.8 psi
                    Weathered RVP:  7.5 psi
            Fuel Sulfur Content:  279. ppm

            Exhaust I/M Program:  No
               Evap I/M Program:  No
                    ATP Program:  Yes
               Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6707	0.2008	0.0246		0.0299	0.0013	0.0006	0.0681	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.392	1.441	0.887	1.380	1.260	0.685	1.163	0.475	2.43	1.326
Composite NOX :	1.055	1.122	1.106	1.120	5.489	1.691	1.923	14.529	1.07	2.122

```
* # # # # # # # # # # # # # # # # # # # # # # #
* Rural major collector, 45.0

* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 45.0
            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.
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b

                Calendar Year:  2002
                        Month:  July
                     Altitude:  Low
            Minimum Temperature:  73.1 (F)
            Maximum Temperature:  91.2 (F)
              Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:  7.8 psi
                    Weathered RVP:  7.5 psi
            Fuel Sulfur Content:  279. ppm

            Exhaust I/M Program:  No
               Evap I/M Program:  No
```

ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6657	0.2318	0.0246		0.0212	0.0013	0.0006	0.0508	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.419	1.467	0.898	1.413	1.315	0.705	1.265	0.507	2.45	1.372
Composite NOX :	1.046	1.103	1.088	1.102	5.296	1.555	1.831	13.600	1.02	1.789

* #
* Rural minor collector, 36.0

* File 1, Run 1, Scenario 5.
* #
M583 Warning:
The user supplied arterial average speed of 36.0
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.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 73.1 (F)
Maximum Temperature: 91.2 (F)
Absolute Humidity: 151. grains/lb
Nominal Fuel RVP: 7.8 psi
Weathered RVP: 7.5 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6378	0.2418	0.0128		0.0254	0.0012	0.0004	0.0586	0.0220	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.483	1.524	0.922	1.494	1.541	0.771	1.761	0.596	2.58	1.459
Composite NOX :	1.033	1.074	1.054	1.073	4.969	1.440	1.983	12.526	0.98	1.816

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural local, 27.0

* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

  Reading User Supplied ROADWAY VMT Factors
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

                    Calendar Year:  2002
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  73.1 (F)
              Maximum Temperature:  91.2 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:  279. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6527	0.2458	0.0049		0.0220	0.0013	0.0003	0.0520	0.0210	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	2.286	2.277	1.449	2.261	3.824	1.248	3.214	1.309	3.85	2.295
Composite NOX :	1.086	1.052	1.062	1.052	4.062	1.918	3.063	14.161	0.80	1.819

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Urban interstate, 58.5

* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 58.5
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
```

there are no sales for vehicle class HDGV8b

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	279. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7186	0.1588	0.0276		0.0278	0.0014	0.0006	0.0632	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.351	1.394	0.870	1.316	1.159	0.665	0.971	0.444	2.68	1.283
Composite NOX :	1.078	1.158	1.145	1.156	5.811	2.176	2.285	21.465	1.26	2.515

* #
* Urban other expressway, 58.5

* File 1, Run 1, Scenario 8.
* #

M581 Warning:
The user supplied freeway average speed of 58.5
will be used for all hours of the day. 100% of VMT
has been assigned to the freeway roadway type for
all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	279. ppm
Exhaust I/M Program:	No

Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7625	0.1459	0.0256		0.0185	0.0015	0.0005	0.0435	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.351	1.394	0.869	1.315	1.180	0.665	0.966	0.443	2.68	1.303
Composite NOX :	1.078	1.158	1.141	1.156	5.823	2.176	2.280	21.524	1.26	2.071

* #
* Urban principal arterial, 49.5

* File 1, Run 1, Scenario 9.
* #
M583 Warning:
The user supplied arterial average speed of 49.5
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.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 73.1 (F)
Maximum Temperature: 91.2 (F)
Absolute Humidity: 151. grains/lb
Nominal Fuel RVP: 7.8 psi
Weathered RVP: 7.5 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7645	0.1469	0.0256		0.0168	0.0015	0.0005	0.0382	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.392	1.441	0.886	1.358	1.256	0.685	0.995	0.473	2.43	1.354
Composite NOX :	1.055	1.121	1.102	1.119	5.488	1.691	1.778	14.386	1.07	1.651

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Urban minor arterial, 45.0

* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 45.0
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

                    Calendar Year:  2002
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                   Nominal Fuel RVP:   7.8 psi
                      Weathered RVP:   7.5 psi
                Fuel Sulfur Content:  279. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7715	0.1708	0.0128		0.0123	0.0015	0.0004	0.0287	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.419	1.467	0.897	1.428	1.355	0.705	1.457	0.507	2.45	1.395
Composite NOX :	1.046	1.103	1.084	1.102	5.336	1.555	1.982	13.580	1.02	1.470

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Urban collector, 36.0

* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 36.0
            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.
  M615 Comment:
              User supplied VMT mix.
```

```
 M 48 Warning:
             there are no sales for vehicle class HDGV8b

                   Calendar Year:  2002
                           Month:  July
                        Altitude:  Low
             Minimum Temperature:  73.1 (F)
             Maximum Temperature:  91.2 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:  279. ppm

             Exhaust I/M Program:  No
                Evap I/M Program:  No
                     ATP Program:  Yes
                Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7705	0.1618	0.0099		0.0123	0.0015	0.0003	0.0277	0.0160	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.483	1.524	0.922	1.490	1.585	0.771	1.680	0.598	2.58	1.477
Composite NOX :	1.033	1.075	1.052	1.074	4.994	1.440	1.926	12.548	0.98	1.408

```
* # # # # # # # # # # # # # # # # # # # # # # #
* Urban local, 27.0

* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

  Reading User Supplied ROADWAY VMT Factors
  M615 Comment:
               User supplied VMT mix.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

                   Calendar Year:  2002
                           Month:  July
                        Altitude:  Low
             Minimum Temperature:  73.1 (F)
             Maximum Temperature:  91.2 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:  279. ppm
```

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7955	0.1588	0.0039		0.0073	0.0015	0.0002	0.0177	0.0150	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	2.286	2.277	1.435	2.256	3.729	1.248	3.091	1.295	3.85	2.297
Composite NOX :	1.086	1.052	1.015	1.051	4.041	1.918	2.978	13.877	0.80	1.325

2008 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
LAFAYETTE PARISH
PEAK OZONE SEASON, RVP 7.8

ROAD CLASS	SPEED (MPH)	VOC (G/MI)	NOx (G/MI)	VMT (MI/DAY)	VOC (TPD)	NOx (TPD)
01	63.0	0.683	2.706	140,055	0.11	0.42
02	58.5	0.723	1.510	64,358	0.05	0.11
06	49.5	0.759	1.217	100,149	0.08	0.13
07	45.0	0.789	1.022	360,940	0.31	0.41
08	36.0	0.866	1.042	102,197	0.10	0.12
09	27.0	1.345	1.100	84,389	0.13	0.10
11	58.5	0.724	1.395	1,123,476	0.90	1.73
12	58.5	0.734	1.148	0	0.00	0.00
14	49.5	0.775	0.941	1,953,967	1.67	2.03
16	45.0	0.799	0.834	1,294,490	1.14	1.19
17	36.0	0.870	0.803	310,344	0.30	0.27
19	27.0	1.337	0.780	112,935	0.17	0.10
				5,647,297	4.95	6.60

ROADWAY FUNCTIONAL CLASS CODE

01 - RURAL PRINCIPAL ARTERIAL, INTERSTATE
02 - RURAL PRINCIPAL ARTERIAL, OTHER
06 - RURAL MINOR ARTERIAL
07 - RURAL MAJOR COLLECTOR
08 - RURAL MINOR COLLECTOR
09 - RURAL LOCAL ROAD

11 - URBAN PRINCIPAL ARTERIAL, INTERSTATE
12 - URBAN PRINCIPAL ARTERIAL, FREEWAY
14 - URBAN PRINCIPAL ARTERIAL, OTHER
16 - URBAN MINOR ARTERIAL
17 - URBAN COLLECTOR
19 - URBAN LOCAL ROAD

LDEQ, OEA, 8/3/2005

```
* Lafayette Parish; Ozone Season, 2008
******************  Header Section  ***************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
******************  Run Section  ******************************
>Year 2008 - Lafayette Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 73.1 91.2
ABSOLUTE HUMIDITY  : 150.5
FUEL RVP           : 7.8
REG DIST           : LA_REGD.D
ANTI-TAMP PROG     : 00 80 95 22222 21111111 1 11 072. 22222222
******************  Scenario Section  *************************
SCENARIO REC       : Rural interstate, 63.0
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 63.0 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS      :
0.599  0.038  0.127  0.014  0.007  0.068  0.007  0.005
0.004  0.015  0.017  0.019  0.069  0.003  0.002  0.006
******************  Scenario Section  *************************
SCENARIO REC       : Rural principal arterial, 58.5
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 58.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.652  0.048  0.160  0.016  0.008  0.036  0.004  0.003
0.002  0.008  0.009  0.010  0.037  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor arterial, 49.5
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.672  0.046  0.155  0.017  0.008  0.032  0.003  0.002
0.002  0.007  0.008  0.009  0.032  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural major collector, 45.0
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.667  0.054  0.178  0.017  0.008  0.023  0.002  0.002
0.001  0.005  0.006  0.007  0.024  0.001  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor collector, 36.0
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.639  0.056  0.186  0.009  0.004  0.027  0.003  0.002
0.002  0.006  0.007  0.008  0.027  0.001  0.001  0.022
******************  Scenario Section  *************************
SCENARIO REC       : Rural local, 27.0
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
ALTITUDE           : 1
VMT BY FACILITY    : localvmt.d
VMT FRACTIONS      :
0.654  0.057  0.189  0.003  0.002  0.024  0.002  0.002
0.001  0.005  0.006  0.007  0.025  0.001  0.001  0.021
```

```
******************  Scenario Section  ************************
SCENARIO REC        : Urban interstate, 58.5
CALENDAR YEAR       : 2008
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.720  0.037  0.122  0.019  0.009  0.030  0.003  0.002
0.002  0.006  0.008  0.008  0.030  0.001  0.001  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban other expressway, 58.5
CALENDAR YEAR       : 2008
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.764  0.034  0.112  0.018  0.008  0.020  0.002  0.002
0.001  0.004  0.005  0.006  0.021  0.001  0.000  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban principal arterial, 49.5
CALENDAR YEAR       : 2008
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.766  0.034  0.113  0.018  0.008  0.018  0.002  0.001
0.001  0.004  0.005  0.005  0.018  0.001  0.000  0.006
******************  Scenario Section  ************************
SCENARIO REC        : Urban minor arterial, 45.0
CALENDAR YEAR       : 2008
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.773  0.040  0.131  0.009  0.004  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.014  0.001  0.000  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban collector, 36.0
CALENDAR YEAR       : 2008
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.772  0.037  0.125  0.007  0.003  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.013  0.001  0.000  0.016
******************  Scenario Section  ************************
SCENARIO REC        : Urban local, 27.0
CALENDAR YEAR       : 2008
EVALUATION MONTH    : 7
ALTITUDE            : 1
VMT BY FACILITY     : localvmt.d
VMT FRACTIONS       :
0.797  0.037  0.122  0.003  0.001  0.008  0.001  0.001
0.000  0.002  0.002  0.002  0.009  0.000  0.000  0.015

END OF RUN
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: C:\MOBILE6\RUN\LAFSIP\22055_08.IN (file 1, run 1).        *
*************************************************************************
*Year 2008 - Lafayette Parish Emission Factors
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading Registration Distributions from the following external
* data file: LA_REGD.D

* # # # # # # # # # # # # # # # # # # # # # # # #
* Rural interstate, 63.0

* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 63.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
               User supplied VMT mix.
  M 48 Warning:
               there are no sales for vehicle class HDGV8b

                    Calendar Year:  2008
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                     Nominal Fuel RVP:   7.8 psi
                        Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.5984	0.1650	0.0207		0.0622	0.0006	0.0003	0.1468	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.741	0.780	0.464	0.745	0.669	0.311	0.315	0.284	2.93	0.683
Composite NOX :	0.605	0.727	0.707	0.725	3.532	1.299	1.033	13.490	1.36	2.706

```
* # # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Rural principal arterial, 58.5

* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 58.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b

                  Calendar Year:  2008
                          Month:  July
                       Altitude:  Low
              Minimum Temperature:  73.1 (F)
              Maximum Temperature:  91.2 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6513	0.2080	0.0236		0.0331	0.0007	0.0004	0.0789	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.754	0.793	0.472	0.760	0.682	0.312	0.326	0.286	2.62	0.723
Composite NOX :	0.599	0.715	0.696	0.713	3.440	1.097	0.883	10.586	1.26	1.510

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Rural minor arterial, 49.5

* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 49.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b
```

```
                Calendar Year:  2008
                        Month:  July
                     Altitude:  Low
            Minimum Temperature:  73.1 (F)
            Maximum Temperature:  91.2 (F)
              Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:  7.8 psi
                    Weathered RVP:  7.5 psi
            Fuel Sulfur Content:  30. ppm

            Exhaust I/M Program:  No
               Evap I/M Program:  No
                    ATP Program:  Yes
               Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6713	0.2010	0.0246		0.0293	0.0007	0.0004	0.0687	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.788	0.825	0.491	0.789	0.725	0.322	0.330	0.307	2.37	0.759
Composite NOX :	0.586	0.693	0.672	0.691	3.238	0.853	0.678	8.266	1.07	1.217

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Rural major collector, 45.0

* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 45.0
            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.
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b

                Calendar Year:  2008
                        Month:  July
                     Altitude:  Low
            Minimum Temperature:  73.1 (F)
            Maximum Temperature:  91.2 (F)
              Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:  7.8 psi
                    Weathered RVP:  7.5 psi
            Fuel Sulfur Content:  30. ppm

            Exhaust I/M Program:  No
               Evap I/M Program:  No
```

ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6663	0.2320	0.0246		0.0208	0.0007	0.0004	0.0512	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.809	0.844	0.502	0.811	0.754	0.332	0.355	0.325	2.39	0.789
Composite NOX :	0.580	0.682	0.662	0.680	3.120	0.784	0.636	7.646	1.02	1.022

* #
* Rural minor collector, 36.0

* File 1, Run 1, Scenario 5.
* #
M583 Warning:
The user supplied arterial average speed of 36.0
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.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2008
Month: July
Altitude: Low
Minimum Temperature: 73.1 (F)
Maximum Temperature: 91.2 (F)
Absolute Humidity: 151. grains/lb
Nominal Fuel RVP: 7.8 psi
Weathered RVP: 7.5 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6383	0.2420	0.0128		0.0250	0.0007	0.0002	0.0590	0.0220	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.855	0.882	0.525	0.864	0.866	0.363	0.497	0.383	2.52	0.866
Composite NOX :	0.573	0.665	0.643	0.664	2.928	0.726	0.675	6.974	0.98	1.042

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural local, 27.0

* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

  Reading User Supplied ROADWAY VMT Factors
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

                  Calendar Year:  2008
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  73.1 (F)
             Maximum Temperature:  91.2 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

             Exhaust I/M Program:  No
                Evap I/M Program:  No
                     ATP Program:  Yes
                Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6533	0.2460	0.0049		0.0216	0.0007	0.0001	0.0524	0.0210	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.308	1.301	0.828	1.292	1.955	0.592	1.153	0.840	3.79	1.345
Composite NOX :	0.615	0.668	0.675	0.669	2.393	0.967	1.195	8.802	0.80	1.100

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Urban interstate, 58.5

* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 58.5
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
```

there are no sales for vehicle class HDGV8b

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7192	0.1590	0.0276		0.0274	0.0008	0.0004	0.0636	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.754	0.793	0.472	0.745	0.672	0.312	0.291	0.285	2.62	0.724
Composite NOX :	0.599	0.715	0.694	0.712	3.423	1.097	0.840	11.538	1.26	1.395

* #
* Urban other expressway, 58.5

* File 1, Run 1, Scenario 8.
* #
M581 Warning:
The user supplied freeway average speed of 58.5
will be used for all hours of the day. 100% of VMT
has been assigned to the freeway roadway type for
all hours of the day and all vehicle types.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm
Exhaust I/M Program:	No

```
                Evap I/M Program:  No
                     ATP Program:  Yes
                Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7632	0.1460	0.0256		0.0182	0.0008	0.0004	0.0438	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.754	0.793	0.471	0.745	0.679	0.312	0.291	0.287	2.62	0.734
Composite NOX :	0.599	0.715	0.690	0.711	3.430	1.097	0.839	11.484	1.26	1.148

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban principal arterial, 49.5

* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 warning:
            The user supplied arterial average speed of 49.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 warning:
              there are no sales for vehicle class HDGV8b

                    Calendar Year:  2008
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                   Nominal Fuel RVP:   7.8 psi
                      Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7652	0.1470	0.0256		0.0165	0.0008	0.0004	0.0385	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.788	0.825	0.490	0.776	0.721	0.322	0.302	0.307	2.37	0.775
Composite NOX :	0.586	0.693	0.669	0.689	3.234	0.853	0.650	8.142	1.07	0.941

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban minor arterial, 45.0

* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 45.0
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b

                  Calendar Year:  2008
                          Month:  July
                       Altitude:  Low
              Minimum Temperature:  73.1 (F)
              Maximum Temperature:  91.2 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7722	0.1710	0.0128		0.0120	0.0008	0.0002	0.0290	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.809	0.844	0.501	0.820	0.775	0.332	0.398	0.329	2.39	0.799
Composite NOX :	0.580	0.682	0.659	0.680	3.154	0.784	0.676	7.594	1.02	0.834

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban collector, 36.0

* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 36.0
            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.
  M615 Comment:
              User supplied VMT mix.
```

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7712	0.1620	0.0099		0.0120	0.0008	0.0002	0.0280	0.0160	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.855	0.882	0.525	0.862	0.887	0.363	0.470	0.389	2.52	0.870
Composite NOX :	0.573	0.665	0.641	0.664	2.951	0.726	0.654	6.963	0.98	0.803

* #
* Urban local, 27.0

* File 1, Run 1, Scenario 12.
* #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7961	0.1590	0.0039		0.0072	0.0009	0.0001	0.0178	0.0150	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.308	1.301	0.818	1.290	1.906	0.592	1.052	0.834	3.79	1.337
Composite NOX :	0.615	0.668	0.640	0.668	2.371	0.967	1.112	8.544	0.80	0.780

2011 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
LAFAYETTE PARISH
PEAK OZONE SEASON, RVP 7.8

ROAD CLASS	SPEED (MPH)	VOC (G/MI)	NOx (G/MI)	VMT (MI/DAY)	VOC (TPD)	NOx (TPD)
01	63.0	0.552	1.901	148,029	0.09	0.31
02	58.5	0.583	1.095	68,022	0.04	0.08
06	49.5	0.609	0.892	105,851	0.07	0.10
07	45.0	0.633	0.758	381,490	0.27	0.32
08	36.0	0.701	0.775	108,015	0.08	0.09
09	27.0	1.072	0.827	69,069	0.08	0.06
11	58.5	0.580	1.007	1,181,311	0.76	1.31
12	58.5	0.587	0.840	0	0.00	0.00
14	49.5	0.620	0.701	1,932,816	1.32	1.49
16	45.0	0.637	0.628	1,233,228	0.87	0.85
17	36.0	0.697	0.610	204,796	0.16	0.14
19	27.0	1.058	0.603	63,916	0.07	0.04
				5,496,544	3.81	4.81

ROADWAY FUNCTIONAL CLASS CODE

01 - RURAL PRINCIPAL ARTERIAL, INTERSTATE
02 - RURAL PRINCIPAL ARTERIAL, OTHER
06 - RURAL MINOR ARTERIAL
07 - RURAL MAJOR COLLECTOR
08 - RURAL MINOR COLLECTOR
09 - RURAL LOCAL ROAD

11 - URBAN PRINCIPAL ARTERIAL, INTERSTATE
12 - URBAN PRINCIPAL ARTERIAL, FREEWAY
14 - URBAN PRINCIPAL ARTERIAL, OTHER
16 - URBAN MINOR ARTERIAL
17 - URBAN COLLECTOR
19 - URBAN LOCAL ROAD

LDEQ, OEA, 8/3/2005

```
* Lafayette Parish; Ozone Season, 2011
******************  Header Section  ***************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
******************  Run Section  ******************************
>Year 2011 - Lafayette Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 73.1 91.2
ABSOLUTE HUMIDITY  : 150.5
FUEL RVP           : 7.8
REG DIST           : LA_REGD.D
ANTI-TAMP PROG     : 00 80 95 22222 21111111 1 11 072. 22222222
******************  Scenario Section  *************************
SCENARIO REC       : Rural interstate, 63.0
CALENDAR YEAR      : 2011
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 63.0 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS      :
0.599  0.038  0.127  0.014  0.007  0.068  0.007  0.005
0.004  0.015  0.017  0.019  0.069  0.003  0.002  0.006
******************  Scenario Section  *************************
SCENARIO REC       : Rural principal arterial, 58.5
CALENDAR YEAR      : 2011
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 58.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.652  0.048  0.160  0.016  0.008  0.036  0.004  0.003
0.002  0.008  0.009  0.010  0.037  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor arterial, 49.5
CALENDAR YEAR      : 2011
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.672  0.046  0.155  0.017  0.008  0.032  0.003  0.002
0.002  0.007  0.008  0.009  0.032  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural major collector, 45.0
CALENDAR YEAR      : 2011
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.667  0.054  0.178  0.017  0.008  0.023  0.002  0.002
0.001  0.005  0.006  0.007  0.024  0.001  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor collector, 36.0
CALENDAR YEAR      : 2011
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.639  0.056  0.186  0.009  0.004  0.027  0.003  0.002
0.002  0.006  0.007  0.008  0.027  0.001  0.001  0.022
******************  Scenario Section  *************************
SCENARIO REC       : Rural local, 27.0
CALENDAR YEAR      : 2011
EVALUATION MONTH   : 7
ALTITUDE           : 1
VMT BY FACILITY    : localvmt.d
VMT FRACTIONS      :
0.654  0.057  0.189  0.003  0.002  0.024  0.002  0.002
0.001  0.005  0.006  0.007  0.025  0.001  0.001  0.021
```

```
******************  Scenario Section  ************************
SCENARIO REC        : Urban interstate, 58.5
CALENDAR YEAR       : 2011
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.720  0.037  0.122  0.019  0.009  0.030  0.003  0.002
0.002  0.006  0.008  0.008  0.030  0.001  0.001  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban other expressway, 58.5
CALENDAR YEAR       : 2011
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.764  0.034  0.112  0.018  0.008  0.020  0.002  0.002
0.001  0.004  0.005  0.006  0.021  0.001  0.000  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban principal arterial, 49.5
CALENDAR YEAR       : 2011
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.766  0.034  0.113  0.018  0.008  0.018  0.002  0.001
0.001  0.004  0.005  0.005  0.018  0.001  0.000  0.006
******************  Scenario Section  ************************
SCENARIO REC        : Urban minor arterial, 45.0
CALENDAR YEAR       : 2011
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.773  0.040  0.131  0.009  0.004  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.014  0.001  0.000  0.002
******************  Scenario Section  ************************
SCENARIO REC        : Urban collector, 36.0
CALENDAR YEAR       : 2011
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.772  0.037  0.125  0.007  0.003  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.013  0.001  0.000  0.016
******************  Scenario Section  ************************
SCENARIO REC        : Urban local, 27.0
CALENDAR YEAR       : 2011
EVALUATION MONTH    : 7
ALTITUDE            : 1
VMT BY FACILITY     : localvmt.d
VMT FRACTIONS       :
0.797  0.037  0.122  0.003  0.001  0.008  0.001  0.001
0.000  0.002  0.002  0.002  0.009  0.000  0.000  0.015

END OF RUN
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: C:\MOBILE6\RUN\LAFSIP\22055_11.IN (file 1, run 1).        *
*************************************************************************
*Year 2011 - Lafayette Parish Emission Factors
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


* Reading Registration Distributions from the following external
* data file: LA_REGD.D

* # # # # # # # # # # # # # # # # # # # # # # #
* Rural interstate, 63.0

* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 63.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
               User supplied VMT mix.
  M 48 Warning:
               there are no sales for vehicle class HDGV8b

                    Calendar Year:  2011
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                     Nominal Fuel RVP:   7.8 psi
                        Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.5985	0.1650	0.0207		0.0622	0.0005	0.0003	0.1468	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.587	0.657	0.372	0.625	0.526	0.139	0.158	0.236	2.89	0.552
Composite NOX :	0.469	0.587	0.519	0.579	2.399	0.561	0.543	9.225	1.36	1.901

```
* # # # # # # # # # # # # # # # # # # # # # # #
```

```
* Rural principal arterial, 58.5

* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 58.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

                    Calendar Year:  2011
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                    Nominal Fuel RVP:   7.8 psi
                       Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6514	0.2080	0.0236		0.0330	0.0006	0.0004	0.0790	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.596	0.666	0.377	0.637	0.534	0.140	0.159	0.238	2.58	0.583
Composite NOX :	0.464	0.578	0.511	0.571	2.336	0.473	0.458	7.311	1.26	1.095

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural minor arterial, 49.5

* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 49.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
```

```
                Calendar Year:  2011
                        Month:  July
                     Altitude:  Low
           Minimum Temperature:  73.1 (F)
           Maximum Temperature:  91.2 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.5 psi
           Fuel Sulfur Content:   30. ppm

           Exhaust I/M Program:  No
              Evap I/M Program:  No
                   ATP Program:  Yes
             Reformulated Gas:   No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6714	0.2010	0.0246		0.0292	0.0006	0.0004	0.0688	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.621	0.690	0.390	0.657	0.564	0.145	0.166	0.255	2.33	0.609
Composite NOX :	0.455	0.561	0.493	0.553	2.201	0.367	0.353	5.706	1.07	0.892

```
* # # # # # # # # # # # # # # # # # # # # # # #
* Rural major collector, 45.0

* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 45.0
            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.
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b

                Calendar Year:  2011
                        Month:  July
                     Altitude:  Low
           Minimum Temperature:  73.1 (F)
           Maximum Temperature:  91.2 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.5 psi
           Fuel Sulfur Content:   30. ppm

           Exhaust I/M Program:  No
              Evap I/M Program:  No
```

ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6664	0.2320	0.0246		0.0208	0.0006	0.0004	0.0512	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.636	0.703	0.398	0.674	0.586	0.150	0.173	0.270	2.35	0.633
Composite NOX :	0.450	0.552	0.485	0.546	2.120	0.337	0.325	5.268	1.02	0.758

* #
* Rural minor collector, 36.0

* File 1, Run 1, Scenario 5.
* #
M583 Warning:
The user supplied arterial average speed of 36.0
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.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2011
Month: July
Altitude: Low
Minimum Temperature: 73.1 (F)
Maximum Temperature: 91.2 (F)
Absolute Humidity: 151. grains/lb
Nominal Fuel RVP: 7.8 psi
Weathered RVP: 7.5 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6384	0.2420	0.0128		0.0249	0.0006	0.0002	0.0591	0.0220	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.671	0.732	0.415	0.716	0.659	0.166	0.200	0.318	2.48	0.701
Composite NOX :	0.445	0.539	0.471	0.536	1.988	0.312	0.305	4.796	0.98	0.775

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Rural local, 27.0

* File 1, Run 1, Scenario 6.
* # # # # # # # # # # # # # # # # # # # # # # # #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

  Reading User Supplied ROADWAY VMT Factors
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

                    Calendar Year:  2011
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                   Nominal Fuel RVP:   7.8 psi
                      Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6534	0.2460	0.0049		0.0216	0.0006	0.0001	0.0524	0.0210	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.016	1.061	0.653	1.053	1.342	0.281	0.382	0.698	3.75	1.072
Composite NOX :	0.484	0.547	0.495	0.546	1.626	0.417	0.431	6.130	0.80	0.827

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban interstate, 58.5

* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 58.5
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
```

there are no sales for vehicle class HDGV8b

```
      Calendar Year:  2011
              Month:  July
           Altitude:  Low
Minimum Temperature:  73.1 (F)
Maximum Temperature:  91.2 (F)
  Absolute Humidity:  151. grains/lb
   Nominal Fuel RVP:   7.8 psi
      Weathered RVP:   7.5 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  No
   Evap I/M Program:  No
        ATP Program:  Yes
  Reformulated Gas:   No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7194	0.1590	0.0276		0.0273	0.0006	0.0004	0.0637	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.596	0.666	0.377	0.624	0.531	0.140	0.158	0.237	2.58	0.580
Composite NOX :	0.464	0.578	0.509	0.567	2.325	0.473	0.455	7.867	1.26	1.007

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban other expressway, 58.5

* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 58.5
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b

      Calendar Year:  2011
              Month:  July
           Altitude:  Low
Minimum Temperature:  73.1 (F)
Maximum Temperature:  91.2 (F)
  Absolute Humidity:  151. grains/lb
   Nominal Fuel RVP:   7.8 psi
      Weathered RVP:   7.5 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  No
```

```
                Evap I/M Program:  No
                     ATP Program:  Yes
                Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7633	0.1460	0.0256		0.0181	0.0007	0.0004	0.0439	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.596	0.666	0.377	0.623	0.532	0.140	0.158	0.239	2.58	0.587
Composite NOX :	0.464	0.578	0.506	0.567	2.330	0.473	0.455	7.817	1.26	0.840

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban principal arterial, 49.5

* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 49.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

                     Calendar Year:  2011
                             Month:  July
                          Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                     Nominal Fuel RVP:  7.8 psi
                        Weathered RVP:  7.5 psi
                Fuel Sulfur Content:  30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7653	0.1470	0.0256		0.0165	0.0007	0.0004	0.0385	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.621	0.690	0.390	0.645	0.562	0.145	0.164	0.255	2.33	0.620
Composite NOX :	0.455	0.561	0.491	0.550	2.197	0.367	0.352	5.599	1.07	0.701

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Urban minor arterial, 45.0

* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 45.0
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
              there are no sales for vehicle class HDGV8b

                    Calendar Year:  2011
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                   Nominal Fuel RVP:   7.8 psi
                      Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7723	0.1710	0.0128		0.0119	0.0007	0.0002	0.0291	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.636	0.703	0.398	0.682	0.595	0.150	0.175	0.274	2.35	0.637
Composite NOX :	0.450	0.552	0.483	0.547	2.144	0.337	0.327	5.231	1.02	0.628

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Urban collector, 36.0

* File 1, Run 1, Scenario 11.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 36.0
            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.
  M615 Comment:
              User supplied VMT mix.
```

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2011
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7713	0.1620	0.0099		0.0119	0.0007	0.0001	0.0281	0.0160	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.671	0.732	0.415	0.714	0.666	0.166	0.199	0.324	2.48	0.697
Composite NOX :	0.445	0.540	0.470	0.536	2.007	0.312	0.304	4.794	0.98	0.610

* #
* Urban local, 27.0

* File 1, Run 1, Scenario 12.
* #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:	2011
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: Yes
Reformulated Gas: No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7963	0.1590	0.0039		0.0072	0.0007	0.0001	0.0178	0.0150	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.016	1.061	0.646	1.051	1.327	0.281	0.374	0.692	3.75	1.058
Composite NOX :	0.484	0.547	0.469	0.545	1.607	0.417	0.424	5.902	0.80	0.603

2014 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
LAFAYETTE PARISH
PEAK OZONE SEASON, RVP 7.8

ROAD CLASS	SPEED (MPH)	VOC (G/MI)	NOx (G/MI)	VMT (MI/DAY)	VOC (TPD)	NOx (TPD)
01	63.0	0.443	1.271	155,936	0.08	0.22
02	58.5	0.464	0.765	71,655	0.04	0.06
06	49.5	0.483	0.635	111,505	0.06	0.08
07	45.0	0.502	0.551	401,867	0.22	0.24
08	36.0	0.565	0.566	113,785	0.07	0.07
09	27.0	0.864	0.607	69,347	0.07	0.05
11	58.5	0.460	0.707	1,227,041	0.62	0.96
12	58.5	0.465	0.602	0	0.00	0.00
14	49.5	0.491	0.514	2,002,849	1.08	1.13
16	45.0	0.502	0.468	1,275,937	0.71	0.66
17	36.0	0.557	0.459	207,945	0.13	0.11
19	27.0	0.845	0.464	64,234	0.06	0.03
				5,702,102	3.13	3.61

ROADWAY FUNCTIONAL CLASS CODE

01 - RURAL PRINCIPAL ARTERIAL, INTERSTATE
02 - RURAL PRINCIPAL ARTERIAL, OTHER
06 - RURAL MINOR ARTERIAL
07 - RURAL MAJOR COLLECTOR
08 - RURAL MINOR COLLECTOR
09 - RURAL LOCAL ROAD

11 - URBAN PRINCIPAL ARTERIAL, INTERSTATE
12 - URBAN PRINCIPAL ARTERIAL, FREEWAY
14 - URBAN PRINCIPAL ARTERIAL, OTHER
16 - URBAN MINOR ARTERIAL
17 - URBAN COLLECTOR
19 - URBAN LOCAL ROAD

LDEQ, OEA, 8/3/2005

```
* Lafayette Parish; Ozone Season, 2014
******************  Header Section  ***************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
******************  Run Section  ******************************
>Year 2014 - Lafayette Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 73.1 91.2
ABSOLUTE HUMIDITY  : 150.5
FUEL RVP           : 7.8
REG DIST           : LA_REGD.D
ANTI-TAMP PROG     : 00 80 95 22222 21111111 1 11 072. 22222222
******************  Scenario Section  *************************
SCENARIO REC       : Rural interstate, 63.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 63.0 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS      :
0.599  0.038  0.127  0.014  0.007  0.068  0.007  0.005
0.004  0.015  0.017  0.019  0.069  0.003  0.002  0.006
******************  Scenario Section  *************************
SCENARIO REC       : Rural principal arterial, 58.5
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 58.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.652  0.048  0.160  0.016  0.008  0.036  0.004  0.003
0.002  0.008  0.009  0.010  0.037  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor arterial, 49.5
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.672  0.046  0.155  0.017  0.008  0.032  0.003  0.002
0.002  0.007  0.008  0.009  0.032  0.002  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural major collector, 45.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.667  0.054  0.178  0.017  0.008  0.023  0.002  0.002
0.001  0.005  0.006  0.007  0.024  0.001  0.001  0.004
******************  Scenario Section  *************************
SCENARIO REC       : Rural minor collector, 36.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.639  0.056  0.186  0.009  0.004  0.027  0.003  0.002
0.002  0.006  0.007  0.008  0.027  0.001  0.001  0.022
******************  Scenario Section  *************************
SCENARIO REC       : Rural local, 27.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
VMT BY FACILITY    : localvmt.d
VMT FRACTIONS      :
0.654  0.057  0.189  0.003  0.002  0.024  0.002  0.002
0.001  0.005  0.006  0.007  0.025  0.001  0.001  0.021
```

```
******************** Scenario Section ************************
SCENARIO REC        : Urban interstate, 58.5
CALENDAR YEAR       : 2014
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.720  0.037  0.122  0.019  0.009  0.030  0.003  0.002
0.002  0.006  0.008  0.008  0.030  0.001  0.001  0.002
******************** Scenario Section ************************
SCENARIO REC        : Urban other expressway, 58.5
CALENDAR YEAR       : 2014
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 58.5 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS       :
0.764  0.034  0.112  0.018  0.008  0.020  0.002  0.002
0.001  0.004  0.005  0.006  0.021  0.001  0.000  0.002
******************** Scenario Section ************************
SCENARIO REC        : Urban principal arterial, 49.5
CALENDAR YEAR       : 2014
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.766  0.034  0.113  0.018  0.008  0.018  0.002  0.001
0.001  0.004  0.005  0.005  0.018  0.001  0.000  0.006
******************** Scenario Section ************************
SCENARIO REC        : Urban minor arterial, 45.0
CALENDAR YEAR       : 2014
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.773  0.040  0.131  0.009  0.004  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.014  0.001  0.000  0.002
******************** Scenario Section ************************
SCENARIO REC        : Urban collector, 36.0
CALENDAR YEAR       : 2014
EVALUATION MONTH    : 7
ALTITUDE            : 1
AVERAGE SPEED       : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS       :
0.772  0.037  0.125  0.007  0.003  0.013  0.001  0.001
0.001  0.003  0.003  0.004  0.013  0.001  0.000  0.016
******************** Scenario Section ************************
SCENARIO REC        : Urban local, 27.0
CALENDAR YEAR       : 2014
EVALUATION MONTH    : 7
ALTITUDE            : 1
VMT BY FACILITY     : localvmt.d
VMT FRACTIONS       :
0.797  0.037  0.122  0.003  0.001  0.008  0.001  0.001
0.000  0.002  0.002  0.002  0.009  0.000  0.000  0.015

END OF RUN
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: C:\MOBILE6\RUN\LAFSIP\22055_14.IN (file 1, run 1).        *
*************************************************************************
*Year 2014 - Lafayette Parish Emission Factors
  M603 Comment:
              User has disabled the calculation of REFUELING emissions.


* Reading Registration Distributions from the following external
* data file: LA_REGD.D

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural interstate, 63.0

* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 63.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
  M 48 Warning:
             there are no sales for vehicle class LDDT12

                   Calendar Year:  2014
                           Month:  July
                        Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                   Nominal Fuel RVP:   7.8 psi
                      Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                   Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.5985	0.1650	0.0207		0.0620	0.0005	0.0003	0.1470	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.461	0.534	0.305	0.509	0.410	0.086	0.114	0.200	2.89	0.443
Composite NOX :	0.365	0.476	0.404	0.468	1.519	0.297	0.357	5.874	1.36	1.271

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural principal arterial, 58.5

* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 58.5
            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.
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b
  M 48 Warning:
            there are no sales for vehicle class LDDT12

                  Calendar Year:  2014
                          Month:  July
                       Altitude:  Low
              Minimum Temperature:  73.1 (F)
              Maximum Temperature:  91.2 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6514	0.2080	0.0236		0.0329	0.0006	0.0004	0.0791	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.468	0.541	0.309	0.517	0.415	0.086	0.115	0.202	2.58	0.464
Composite NOX :	0.361	0.469	0.398	0.462	1.478	0.250	0.301	4.664	1.26	0.765

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural minor arterial, 49.5

* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 49.5
            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.
```

M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12

Calendar Year:	2014
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6714	0.2010	0.0246		0.0291	0.0006	0.0004	0.0689	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.485	0.558	0.318	0.532	0.438	0.090	0.119	0.217	2.33	0.483
Composite NOX :	0.354	0.456	0.383	0.448	1.392	0.194	0.233	3.647	1.07	0.635

* #
* Rural major collector, 45.0

* File 1, Run 1, Scenario 4.
* #
M583 Warning:
The user supplied arterial average speed of 45.0
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.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12

Calendar Year:	2014
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)

```
            Maximum Temperature:  91.2 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

            Exhaust I/M Program:  No
               Evap I/M Program:  No
                    ATP Program:  Yes
               Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6664	0.2320	0.0246		0.0207	0.0006	0.0004	0.0513	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.497	0.567	0.324	0.544	0.455	0.093	0.124	0.229	2.35	0.502
Composite NOX :	0.351	0.449	0.377	0.442	1.342	0.178	0.213	3.360	1.02	0.551

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Rural minor collector, 36.0

* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 36.0
            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.
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b
  M 48 Warning:
            there are no sales for vehicle class LDDT12

                  Calendar Year:  2014
                          Month:  July
                       Altitude:  Low
            Minimum Temperature:  73.1 (F)
            Maximum Temperature:  91.2 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

            Exhaust I/M Program:  No
               Evap I/M Program:  No
                    ATP Program:  Yes
               Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6384	0.2420	0.0128		0.0249	0.0006	0.0002	0.0591	0.0220	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.524	0.589	0.338	0.576	0.512	0.103	0.140	0.270	2.48	0.565
Composite NOX :	0.347	0.438	0.366	0.434	1.259	0.165	0.197	3.056	0.98	0.566

* #
* Rural local, 27.0

* File 1, Run 1, Scenario 6.
* #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12

Calendar Year:	2014
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6534	0.2460	0.0049		0.0215	0.0006	0.0001	0.0525	0.0210	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.795	0.850	0.536	0.843	1.040	0.177	0.252	0.593	3.75	0.864
Composite NOX :	0.384	0.448	0.383	0.446	1.029	0.220	0.264	3.902	0.80	0.607

* #

```
* Urban interstate, 58.5

* File 1, Run 1, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 58.5
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
  M 48 Warning:
             there are no sales for vehicle class LDDT12

                   Calendar Year:  2014
                           Month:  July
                        Altitude:  Low
              Minimum Temperature:  73.1 (F)
              Maximum Temperature:  91.2 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                  Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7194	0.1590	0.0276		0.0273	0.0006	0.0004	0.0637	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.468	0.541	0.309	0.507	0.414	0.086	0.115	0.201	2.58	0.460
Composite NOX :	0.361	0.469	0.396	0.458	1.473	0.250	0.301	5.006	1.26	0.707

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban other expressway, 58.5

* File 1, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 58.5
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M615 Comment:
              User supplied VMT mix.
```

```
 M 48 Warning:
             there are no sales for vehicle class HDGV8b
 M 48 Warning:
             there are no sales for vehicle class LDDT12

                   Calendar Year:  2014
                           Month:  July
                        Altitude:  Low
                 Minimum Temperature:  73.1 (F)
                 Maximum Temperature:  91.2 (F)
                   Absolute Humidity:  151. grains/lb
                    Nominal Fuel RVP:   7.8 psi
                       Weathered RVP:   7.5 psi
                 Fuel Sulfur Content:   30. ppm

                 Exhaust I/M Program:  No
                    Evap I/M Program:  No
                         ATP Program:  Yes
                    Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7633	0.1460	0.0256		0.0181	0.0007	0.0004	0.0439	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.468	0.541	0.308	0.506	0.413	0.086	0.115	0.203	2.58	0.465
Composite NOX :	0.361	0.469	0.394	0.458	1.474	0.250	0.301	4.973	1.26	0.602

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* Urban principal arterial, 49.5

* File 1, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 49.5
            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.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
  M 48 Warning:
             there are no sales for vehicle class LDDT12

                   Calendar Year:  2014
                           Month:  July
                        Altitude:  Low
                 Minimum Temperature:  73.1 (F)
                 Maximum Temperature:  91.2 (F)
                   Absolute Humidity:  151. grains/lb
```

```
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7653	0.1470	0.0256		0.0165	0.0007	0.0004	0.0385	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.485	0.558	0.318	0.522	0.437	0.090	0.119	0.216	2.33	0.491
Composite NOX :	0.354	0.455	0.382	0.444	1.391	0.194	0.233	3.565	1.07	0.514

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* Urban minor arterial, 45.0

* File 1, Run 1, Scenario 10.
* # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 45.0
            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.
  M615 Comment:
             User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b
  M 48 Warning:
            there are no sales for vehicle class LDDT12

                  Calendar Year:  2014
                          Month:  July
                       Altitude:  Low
              Minimum Temperature:  73.1 (F)
              Maximum Temperature:  91.2 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  No
                 Evap I/M Program:  No
                      ATP Program:  Yes
                 Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh

VMT Distribution:	0.7723	0.1710	0.0128		0.0119	0.0007	0.0002	0.0291	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.497	0.567	0.324	0.550	0.461	0.093	0.124	0.233	2.35	0.502
Composite NOX :	0.351	0.448	0.376	0.443	1.354	0.178	0.213	3.344	1.02	0.468

* #
* Urban collector, 36.0

* File 1, Run 1, Scenario 11.
* #

M583 Warning:
The user supplied arterial average speed of 36.0
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.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

M 48 Warning:
there are no sales for vehicle class LDDT12

Calendar Year:	2014
Month:	July
Altitude:	Low
Minimum Temperature:	73.1 (F)
Maximum Temperature:	91.2 (F)
Absolute Humidity:	151. grains/lb
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	30. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7713	0.1620	0.0099		0.0119	0.0007	0.0001	0.0281	0.0160	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.524	0.589	0.338	0.574	0.516	0.103	0.140	0.275	2.48	0.557
Composite NOX :	0.347	0.438	0.365	0.434	1.267	0.165	0.197	3.066	0.98	0.459

* #
* Urban local, 27.0

```
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #

* Reading Hourly Roadway VMT distribution from the following external
* data file: LOCALVMT.D

  Reading User Supplied ROADWAY VMT Factors
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
             there are no sales for vehicle class HDGV8b
  M 48 Warning:
             there are no sales for vehicle class LDDT12

                    Calendar Year:  2014
                            Month:  July
                         Altitude:  Low
                Minimum Temperature:  73.1 (F)
                Maximum Temperature:  91.2 (F)
                  Absolute Humidity:  151. grains/lb
                   Nominal Fuel RVP:   7.8 psi
                      Weathered RVP:   7.5 psi
                Fuel Sulfur Content:   30. ppm

                Exhaust I/M Program:  No
                   Evap I/M Program:  No
                        ATP Program:  Yes
                  Reformulated Gas:  No
```

Vehicle Type: / GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7963	0.1590	0.0039		0.0072	0.0007	0.0001	0.0178	0.0150	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.795	0.850	0.529	0.842	1.031	0.177	0.252	0.586	3.75	0.845
Composite NOX :	0.384	0.448	0.363	0.446	1.021	0.220	0.264	3.719	0.80	0.464