Appendix B

On-road Mobile Emissions Summaries

Grant Parish Sec. 110(a)(1) Maintenance Plan

2002 ACTUAL ON-ROAD MOBILE EMISSIONS INVENTORY
GRANT 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	1.212	4.834	0	0.00	0.00
02	58.5	1.289	2.597	272,005	0.39	0.78
06	49.5	1.339	2.124	73,716	0.11	0.17
07	45.0	1.386	1.791	165,476	0.25	0.33
08	36.0	1.475	1.818	38,148	0.06	0.08
09	27.0	2.325	1.821	178,052	0.46	0.36
11	58.5	1.296	2.517	0	0.00	0.00
12	58.5	1.316	2.072	0	0.00	0.00
14	49.5	1.367	1.653	0	0.00	0.00
16	45.0	1.409	1.472	0	0.00	0.00
17	36.0	1.494	1.410	0	0.00	0.00
19	27.0	2.329	1.328	0	0.00	0.00
				727,398	1.27	1.71

ROADWAY FUNCTIONAL CLASS (FC) 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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* Grant Parish; Ozone Season, 2002, RVP 7.8
*******************  Header Section  **************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
*******************  Run Section  ****************************
>Year 2002 - Grant Parish Emission Factors, 7.8 RVP
NO REFUELING       :
MIN/MAX TEMP       : 72.3 92.5
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\110A1\LIMITED\78_RVP\2204 (file 1, run 1).  *
*************************************************************************
*Year 2002 - Grant Parish Emission Factors, 7.8 RVP
  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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.349     1.388     0.870     1.331     1.181     0.663     1.121     0.441      3.05     1.212
     Composite NOX :      1.091     1.180     1.171     1.179     5.993     2.576     2.896    24.517      1.35     4.834
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
     Maximum Temperature:  92.5 (F)
       Absolute Humidity:  151. grains/lb
        Nominal Fuel RVP:   7.8 psi
           Weathered RVP:   7.4 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 :	1.364	1.407	0.876	1.353	1.205	0.665	1.173	0.443	2.73	1.289
Composite NOX :	1.079	1.161	1.151	1.160	5.834	2.176	2.505	18.150	1.25	2.597

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* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
     Maximum Temperature:  92.5 (F)
       Absolute Humidity:  151. grains/lb
        Nominal Fuel RVP:   7.8 psi
           Weathered RVP:   7.4 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 :	1.406	1.455	0.893	1.394	1.279	0.685	1.163	0.475	2.49	1.339
Composite NOX :	1.057	1.124	1.109	1.122	5.487	1.691	1.923	14.529	1.06	2.124

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.434     1.482     0.904     1.426     1.335     0.705     1.265     0.507      2.50     1.386
     Composite NOX :      1.048     1.105     1.090     1.104     5.295     1.555     1.831    13.600      1.01     1.791
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:  279. ppm
```

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.499     1.540     0.929     1.509     1.564     0.771     1.761     0.596      2.64     1.475
    Composite NOX :      1.035     1.076     1.057     1.075     4.967     1.440     1.983    12.526      0.98     1.818
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      2.321     2.299     1.459     2.282     3.870     1.248     3.214     1.309      3.90     2.325
    Composite NOX :      1.089     1.054     1.065     1.055     4.061     1.918     3.063    14.161      0.79     1.821
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:
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              User supplied VMT mix.
 M 48 Warning:
              there are no sales for vehicle class HDGV8b

                    Calendar Year:  2002
                            Month:  July
                         Altitude:  Low
              Minimum Temperature:  72.3 (F)
              Maximum Temperature:  92.5 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                     Weathered RVP:   7.4 psi
              Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :     1.364     1.407     0.876     1.329     1.177     0.665     0.971     0.444      2.73     1.296
     Composite NOX :     1.079     1.160     1.148     1.158     5.810     2.176     2.285    21.465      1.25     2.517
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
              Maximum Temperature:  92.5 (F)
                Absolute Humidity:  151. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                     Weathered RVP:   7.4 psi
              Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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):
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```
   Composite VOC :      1.364     1.407     0.875     1.328     1.199     0.665     0.966     0.443      2.73     1.316
   Composite NOX :      1.079     1.160     1.143     1.158     5.821     2.176     2.280    21.524      1.25     2.072
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
           Maximum Temperature:  92.5 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.4 psi
           Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.406     1.455     0.892     1.371     1.275     0.685     0.995     0.473      2.49     1.367
   Composite NOX :      1.057     1.124     1.105     1.121     5.487     1.691     1.778    14.386      1.06     1.653
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
           Maximum Temperature:  92.5 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
```

```
                Weathered RVP:   7.4 psi
           Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.434     1.482     0.904     1.442     1.375     0.705     1.457     0.507      2.50     1.409
    Composite NOX :      1.048     1.105     1.087     1.104     5.334     1.555     1.982    13.580      1.01     1.472
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
           Maximum Temperature:  92.5 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.4 psi
           Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.499     1.540     0.929     1.505     1.608     0.771     1.680     0.598      2.64     1.494
    Composite NOX :      1.035     1.077     1.054     1.076     4.992     1.440     1.926    12.548      0.98     1.410
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.4 psi
            Fuel Sulfur Content:  279. ppm

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

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
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 :	2.321	2.299	1.445	2.278	3.775	1.248	3.091	1.295	3.90	2.329
Composite NOX :	1.089	1.054	1.018	1.053	4.040	1.918	2.978	13.877	0.79	1.328

2008 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
GRANT 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	0.689	2.707	0	0.00	0.00
02	58.5	0.730	1.512	313,428	0.25	0.52
06	49.5	0.766	1.219	84,942	0.07	0.11
07	45.0	0.797	1.024	190,676	0.17	0.22
08	36.0	0.875	1.043	43,958	0.04	0.05
09	27.0	1.361	1.102	178,052	0.27	0.22
11	58.5	0.730	1.396	0	0.00	0.00
12	58.5	0.741	1.150	0	0.00	0.00
14	49.5	0.783	0.943	0	0.00	0.00
16	45.0	0.807	0.835	0	0.00	0.00
17	36.0	0.879	0.804	0	0.00	0.00
19	27.0	1.354	0.782	0	0.00	0.00
				811,056	0.80	1.12

ROADWAY FUNCTIONAL CLASS (FC) 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

```
* Grant Parish; Ozone Season, 2008 RVP 7.8
*******************  Header Section  **************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
*******************  Run Section  ****************************
>Year 2008 - Grant Parish Emission Factors, 7.8 RVP
NO REFUELING       :
MIN/MAX TEMP       : 72.3 92.5
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\110A1\LIMITED\78_RVP\2204 (file 1, run 1).  *
*************************************************************************
*Year 2008 - Grant Parish Emission Factors, 7.8 RVP
  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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.748     0.786     0.468     0.751     0.680     0.311     0.315     0.284      2.99     0.689
    Composite NOX :      0.607     0.728     0.709     0.726     3.532     1.299     1.033    13.490      1.35     2.707
  ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
         Maximum Temperature:  92.5 (F)
           Absolute Humidity:  151. grains/lb
            Nominal Fuel RVP:   7.8 psi
               Weathered RVP:   7.4 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 :	0.761	0.800	0.475	0.766	0.693	0.312	0.326	0.286	2.68	0.730
Composite NOX :	0.600	0.717	0.698	0.715	3.440	1.097	0.883	10.586	1.25	1.512

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
         Maximum Temperature:  92.5 (F)
           Absolute Humidity:  151. grains/lb
            Nominal Fuel RVP:   7.8 psi
               Weathered RVP:   7.4 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 :	0.796	0.833	0.494	0.796	0.737	0.322	0.330	0.307	2.43	0.766
Composite NOX :	0.587	0.695	0.674	0.693	3.238	0.853	0.678	8.266	1.06	1.219

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 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 :	0.817	0.851	0.505	0.818	0.766	0.332	0.355	0.325	2.45	0.797
Composite NOX :	0.582	0.684	0.664	0.682	3.120	0.784	0.636	7.646	1.01	1.024

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm
```

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.864     0.890     0.529     0.872     0.879     0.363     0.497     0.383      2.58     0.875
    Composite NOX :      0.574     0.666     0.645     0.665     2.928     0.726     0.675     6.974      0.98     1.043
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.325     1.313     0.833     1.303     1.982     0.592     1.153     0.840      3.85     1.361
    Composite NOX :      0.617     0.670     0.677     0.670     2.393     0.967     1.195     8.802      0.79     1.102
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.761     0.799     0.475     0.751     0.682     0.312     0.291     0.285      2.68     0.730
    Composite NOX :      0.600     0.717     0.695     0.713     3.423     1.097     0.840    11.538      1.25     1.396
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.761     0.799     0.474     0.751     0.690     0.312     0.291     0.287      2.68     0.741
   Composite NOX :      0.600     0.717     0.692     0.713     3.430     1.097     0.839    11.484      1.25     1.150
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.4 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
 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 :      0.796     0.833     0.494     0.782     0.732     0.322     0.302     0.307      2.43     0.783
   Composite NOX :      0.587     0.694     0.671     0.691     3.234     0.853     0.650     8.142      1.06     0.943
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
```

```
                Weathered RVP:   7.4 psi
           Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.817     0.851     0.505     0.827     0.787     0.332     0.398     0.329      2.45     0.807
    Composite NOX :      0.582     0.683     0.661     0.682     3.153     0.784     0.676     7.594      1.01     0.835
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
           Maximum Temperature:  92.5 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.4 psi
           Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.864     0.890     0.529     0.869     0.900     0.363     0.470     0.389      2.58     0.879
    Composite NOX :      0.574     0.667     0.643     0.666     2.951     0.726     0.654     6.963      0.98     0.804
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
           Maximum Temperature:  92.5 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.4 psi
           Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
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 :	1.325	1.313	0.824	1.301	1.933	0.592	1.052	0.834	3.85	1.354
Composite NOX :	0.617	0.670	0.642	0.669	2.371	0.967	1.112	8.544	0.79	0.782

2014 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
GRANT 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	0.446	1.272	0	0.00	0.00
02	58.5	0.468	0.766	348,968	0.18	0.29
06	49.5	0.487	0.636	94,574	0.05	0.07
07	45.0	0.506	0.552	212,297	0.12	0.13
08	36.0	0.570	0.567	48,942	0.03	0.03
09	27.0	0.873	0.608	146,317	0.14	0.10
11	58.5	0.464	0.708	0	0.00	0.00
12	58.5	0.469	0.603	0	0.00	0.00
14	49.5	0.495	0.515	0	0.00	0.00
16	45.0	0.506	0.469	0	0.00	0.00
17	36.0	0.562	0.460	0	0.00	0.00
19	27.0	0.855	0.465	0	0.00	0.00
				851,098	0.52	0.62

ROADWAY FUNCTIONAL CLASS (FC) 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

```
* Grant Parish; Ozone Season, 2014
*******************  Header Section  *************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
*******************  Run Section  ****************************
>Year 2014 - Grant Parish Emission Factors, 7.8 RVP
NO REFUELING       :
MIN/MAX TEMP       : 72.3 92.5
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
```

2011 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
GRANT 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	0.557	1.902	0	0.00	0.00
02	58.5	0.588	1.096	331,273	0.21	0.40
06	49.5	0.614	0.893	89,778	0.06	0.09
07	45.0	0.638	0.760	201,532	0.14	0.17
08	36.0	0.708	0.776	46,460	0.04	0.04
09	27.0	1.085	0.828	145,730	0.17	0.13
11	58.5	0.585	1.008	0	0.00	0.00
12	58.5	0.592	0.841	0	0.00	0.00
14	49.5	0.625	0.703	0	0.00	0.00
16	45.0	0.642	0.630	0	0.00	0.00
17	36.0	0.704	0.611	0	0.00	0.00
19	27.0	1.071	0.605	0	0.00	0.00
				814,774	0.63	0.83

ROADWAY FUNCTIONAL CLASS (FC) 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, 1/10/2006

```
* Grant Parish; Ozone Season, 2011
******************  Header Section  **************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
******************  Run Section  ****************************
>Year 2011 - Grant Parish Emission Factors, 7.8 RVP
NO REFUELING       :
MIN/MAX TEMP       : 72.3 92.5
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\110A1\LIMITED\78_RVP\2204 (file 1, run 1).  *
*************************************************************************
*Year 2011 - Grant Parish Emission Factors, 7.8 RVP
  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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 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 :	0.592	0.662	0.374	0.630	0.534	0.139	0.158	0.236	2.95	0.557
Composite NOX :	0.470	0.588	0.520	0.580	2.400	0.561	0.543	9.225	1.35	1.902

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
          Maximum Temperature:  92.5 (F)
            Absolute Humidity:  151. grains/lb
             Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.4 psi
          Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.601     0.672     0.380     0.642     0.541     0.140     0.159     0.238      2.63     0.588
     Composite NOX :      0.465     0.579     0.512     0.572     2.337     0.473     0.458     7.311      1.25     1.096
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
          Maximum Temperature:  92.5 (F)
            Absolute Humidity:  151. grains/lb
             Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.4 psi
          Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.626     0.695     0.393     0.662     0.572     0.145     0.166     0.255      2.39     0.614
     Composite NOX :      0.456     0.562     0.494     0.555     2.202     0.367     0.353     5.706      1.06     0.893
 ---------------------------------------------------------------------------------------------------------------------------
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 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 :	0.642	0.709	0.401	0.679	0.594	0.150	0.173	0.270	2.40	0.638
Composite NOX :	0.452	0.553	0.486	0.547	2.121	0.337	0.325	5.268	1.01	0.760

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm
```

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.678     0.738     0.418     0.722     0.668     0.166     0.200     0.318      2.54     0.708
    Composite NOX :      0.446     0.540     0.472     0.537     1.989     0.312     0.305     4.796      0.98     0.776
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.029     1.069     0.657     1.061     1.359     0.281     0.382     0.698      3.80     1.085
    Composite NOX :      0.486     0.548     0.496     0.547     1.626     0.417     0.431     6.130      0.79     0.828
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.601     0.671     0.379     0.628     0.538     0.140     0.158     0.237      2.63     0.585
    Composite NOX :      0.465     0.579     0.510     0.569     2.326     0.473     0.455     7.867      1.25     1.008
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.601     0.671     0.379     0.628     0.540     0.140     0.158     0.239      2.63     0.592
   Composite NOX :      0.465     0.579     0.507     0.568     2.331     0.473     0.455     7.817      1.25     0.841
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:              <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.626     0.695     0.392     0.650     0.570     0.145     0.164     0.255      2.39     0.625
    Composite NOX :      0.456     0.562     0.492     0.551     2.198     0.367     0.352     5.599      1.06     0.703
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
```

```
                Weathered RVP:   7.4 psi
           Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.642     0.709     0.400     0.687     0.604     0.150     0.175     0.274      2.40     0.642
    Composite NOX :      0.452     0.553     0.484     0.548     2.145     0.337     0.327     5.231      1.01     0.630
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
           Maximum Temperature:  92.5 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.4 psi
           Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.678     0.738     0.418     0.720     0.676     0.166     0.199     0.324      2.54     0.704
    Composite NOX :      0.446     0.541     0.471     0.537     2.008     0.312     0.304     4.794      0.98     0.611
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
           Maximum Temperature:  92.5 (F)
             Absolute Humidity:  151. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.4 psi
           Fuel Sulfur Content:   30. ppm

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

     Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000    (All)
                      ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
 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 :    1.029     1.069     0.649     1.059     1.345     0.281     0.374     0.692      3.80     1.071
    Composite NOX :    0.486     0.548     0.471     0.546     1.608     0.417     0.424     5.902      0.79     0.605
 ---------------------------------------------------------------------------------------------------------------------
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: C:\MOBILE6\RUN\110A1\LIMITED\78_RVP\2204 (file 1, run 1).  *
*************************************************************************
*Year 2014 - Grant Parish Emission Factors, 7.8 RVP
  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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.464     0.538     0.307     0.512     0.415     0.086     0.114     0.200      2.95     0.446
    Composite NOX :      0.366     0.477     0.405     0.469     1.520     0.297     0.357     5.874      1.35     1.272
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.4 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :     0.471     0.545     0.311     0.521     0.420     0.086     0.115     0.202      2.63     0.468
    Composite NOX :     0.362     0.470     0.398     0.463     1.478     0.250     0.301     4.664      1.25     0.766
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.4 psi
            Fuel Sulfur Content:   30. ppm

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

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

```
 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 :      0.489     0.562     0.320     0.535     0.444     0.090     0.119     0.217      2.39     0.487
    Composite NOX :      0.355     0.456     0.384     0.449     1.393     0.194     0.233     3.647      1.06     0.636
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
          Maximum Temperature:  92.5 (F)
            Absolute Humidity:  151. grains/lb
             Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.4 psi
          Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
 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 :      0.501     0.572     0.326     0.548     0.461     0.093     0.124     0.229      2.40     0.506
    Composite NOX :      0.352     0.450     0.378     0.443     1.343     0.178     0.213     3.360      1.01     0.552
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
          Maximum Temperature:  92.5 (F)
            Absolute Humidity:  151. grains/lb
             Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.4 psi
          Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.529     0.593     0.340     0.581     0.519     0.103     0.140     0.270      2.54     0.570
    Composite NOX :      0.348     0.439     0.367     0.435     1.260     0.165     0.197     3.056      0.98     0.567
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
          Maximum Temperature:  92.5 (F)
            Absolute Humidity:  151. grains/lb
             Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.4 psi
          Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.805     0.855     0.538     0.849     1.054     0.177     0.252     0.593      3.80     0.873
    Composite NOX :      0.386     0.449     0.384     0.448     1.030     0.220     0.264     3.902      0.79     0.608
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
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 :	0.471	0.545	0.310	0.510	0.419	0.086	0.115	0.201	2.63	0.464
Composite NOX :	0.362	0.470	0.397	0.459	1.474	0.250	0.301	5.006	1.25	0.708

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
```

```
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.4 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.471     0.545     0.310     0.510     0.419     0.086     0.115     0.203      2.63     0.469
    Composite NOX :      0.362     0.470     0.395     0.459     1.474     0.250     0.301     4.973      1.25     0.603
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
            Maximum Temperature:  92.5 (F)
              Absolute Humidity:  151. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.4 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.489     0.562     0.320     0.526     0.443     0.090     0.119     0.216      2.39     0.495
    Composite NOX :      0.355     0.456     0.382     0.445     1.391     0.194     0.233     3.565      1.06     0.515
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm

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

       Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.501     0.572     0.326     0.554     0.467     0.093     0.124     0.233      2.40     0.506
     Composite NOX :      0.352     0.449     0.377     0.444     1.355     0.178     0.213     3.344      1.01     0.469
  ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
             Maximum Temperature:  92.5 (F)
               Absolute Humidity:  151. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.4 psi
             Fuel Sulfur Content:   30. ppm
```

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

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.529     0.593     0.340     0.579     0.523     0.103     0.140     0.275      2.54     0.562
    Composite NOX :      0.348     0.439     0.366     0.435     1.268     0.165     0.197     3.066      0.98     0.460
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.3 (F)
               Maximum Temperature:  92.5 (F)
                 Absolute Humidity:  151. grains/lb
                  Nominal Fuel RVP:   7.8 psi
                      Weathered RVP:  7.4 psi
               Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.805     0.855     0.532     0.847     1.045     0.177     0.252     0.586      3.80     0.855
    Composite NOX :      0.386     0.449     0.364     0.447     1.021     0.220     0.264     3.719      0.79     0.465
 ---------------------------------------------------------------------------------------------------------------------------
```