Appendix B

On-road Mobile Emissions Summaries

St. James Parish Sec. 110(a)(1) Maintenance Plan

2002 ACTUAL ON-ROAD MOBILE EMISSIONS INVENTORY
ST. JAMES 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	1.195	4.832	181,912	0.24	0.97
02	58.5	1.270	2.594	0	0.00	0.00
06	49.5	1.320	2.120	192,927	0.28	0.45
07	45.0	1.366	1.787	377,341	0.57	0.74
08	36.0	1.452	1.813	68,760	0.11	0.14
09	27.0	2.279	1.813	27,004	0.07	0.05
11	58.5	1.277	2.513	0	0.00	0.00
12	58.5	1.298	2.068	0	0.00	0.00
14	49.5	1.348	1.649	0	0.00	0.00
16	45.0	1.389	1.467	0	0.00	0.00
17	36.0	1.470	1.405	0	0.00	0.00
19	27.0	2.280	1.319	0	0.00	0.00
				847,944	1.27	2.35

ROADWAY FUNCTIONAL CLASS CODE

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

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

LDEQ, OEA, 10/20/2006

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* St. James Parish; Ozone Season, 2002
******************  Header Section  **************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
******************  Run Section  ****************************
>Year 2002 - St. James Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 72.7 90.7
ABSOLUTE HUMIDITY  : 147.6
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: E:\MOBILE6\RUN\STJM_SIP\STJMS_02.IN (file 1, run 1).      *
*************************************************************************
*Year 2002 - St. James Parish Emission Factors
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


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

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

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

                  Calendar Year:  2002
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:  279. ppm

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

Vehicle Type:	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 :	1.330	1.370	0.861	1.313	1.155	0.663	1.121	0.441	2.97	1.195
Composite NOX :	1.087	1.176	1.165	1.175	5.996	2.576	2.896	24.517	1.36	4.832

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

```
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.345     1.388     0.867     1.335     1.179     0.665     1.173     0.443      2.66     1.270
    Composite NOX :      1.075     1.157     1.146     1.156     5.838     2.176     2.505    18.150      1.26     2.594
  ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
        Maximum Temperature:  90.7 (F)
          Absolute Humidity:  148. grains/lb
           Nominal Fuel RVP:   7.8 psi
              Weathered RVP:   7.5 psi
        Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      1.385     1.435     0.883     1.375     1.252     0.685     1.163     0.475      2.42     1.320
    Composite NOX :      1.053     1.120     1.103     1.118     5.491     1.691     1.923    14.529      1.07     2.120
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
        Maximum Temperature:  90.7 (F)
          Absolute Humidity:  148. grains/lb
           Nominal Fuel RVP:   7.8 psi
              Weathered RVP:   7.5 psi
        Fuel Sulfur Content:  279. ppm

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

```
                    ATP Program:  Yes
              Reformulated Gas:  No

      Vehicle Type:      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 :      1.413     1.462     0.895     1.407     1.306     0.705     1.265     0.507      2.43     1.366
    Composite NOX :      1.043     1.101     1.085     1.100     5.298     1.555     1.831    13.600      1.02     1.787
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
           Maximum Temperature:  90.7 (F)
             Absolute Humidity:  148. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.5 psi
           Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      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 :      1.476     1.518     0.919     1.488     1.531     0.771     1.761     0.596      2.57     1.452
    Composite NOX :      1.029     1.072     1.051     1.071     4.970     1.440     1.983    12.526      0.99     1.813
 ---------------------------------------------------------------------------------------------------------------------------
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:  279. ppm

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

       Vehicle Type:      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 :      2.269     2.265     1.443     2.249     3.802     1.248     3.214     1.309      3.83     2.279
     Composite NOX :      1.079     1.048     1.057     1.049     4.063     1.918     3.063    14.161      0.80     1.813
  ---------------------------------------------------------------------------------------------------------------------

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

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

```
there are no sales for vehicle class HDGV8b

      Calendar Year:  2002
              Month:  July
           Altitude:  Low
Minimum Temperature:  72.7 (F)
Maximum Temperature:  90.7 (F)
  Absolute Humidity:  148. grains/lb
   Nominal Fuel RVP:   7.8 psi
      Weathered RVP:   7.5 psi
Fuel Sulfur Content:  279. ppm

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

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.7186	0.1588	0.0276		0.0278	0.0014	0.0006	0.0632	0.0020	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	1.345	1.388	0.866	1.311	1.151	0.665	0.971	0.444	2.66	1.277
Composite NOX :	1.075	1.156	1.142	1.154	5.813	2.176	2.285	21.465	1.26	2.513

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
Maximum Temperature:  90.7 (F)
  Absolute Humidity:  148. grains/lb
   Nominal Fuel RVP:   7.8 psi
      Weathered RVP:   7.5 psi
Fuel Sulfur Content:  279. ppm

Exhaust I/M Program:  No
```

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

      Vehicle Type:      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):
    Composite VOC :      1.345     1.388     0.866     1.310     1.172     0.665     0.966     0.443      2.66     1.298
    Composite NOX :      1.075     1.156     1.138     1.153     5.825     2.176     2.280    21.524      1.26     2.068
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      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 :      1.385     1.435     0.883     1.353     1.247     0.685     0.995     0.473      2.42     1.348
    Composite NOX :      1.053     1.119     1.100     1.116     5.490     1.691     1.778    14.386      1.07     1.649
 ---------------------------------------------------------------------------------------------------------------------------
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
              Maximum Temperature:  90.7 (F)
                Absolute Humidity:  148. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:  279. ppm

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

Vehicle Type:	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 :	1.413	1.461	0.894	1.422	1.345	0.705	1.457	0.507	2.43	1.389
Composite NOX :	1.043	1.101	1.081	1.100	5.337	1.555	1.982	13.580	1.02	1.467

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
            Fuel Sulfur Content:  279. ppm

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

      Vehicle Type:      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 :      1.476     1.518     0.919     1.484     1.574     0.771     1.680     0.598      2.57     1.470
    Composite NOX :      1.029     1.073     1.049     1.071     4.995     1.440     1.926    12.548      0.99     1.405
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
            Fuel Sulfur Content:  279. ppm
```

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

Vehicle Type:	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 :	2.269	2.265	1.429	2.245	3.708	1.248	3.091	1.295	3.83	2.280
Composite NOX :	1.079	1.048	1.010	1.047	4.042	1.918	2.978	13.877	0.80	1.319

2008 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
ST. JAMES 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	0.681	2.704	209,615	0.16	0.62
02	58.5	0.721	1.509	0	0.00	0.00
06	49.5	0.757	1.215	222,307	0.19	0.30
07	45.0	0.787	1.020	434,805	0.38	0.49
08	36.0	0.863	1.040	79,232	0.08	0.09
09	27.0	1.338	1.096	27,004	0.04	0.03
11	58.5	0.721	1.393	0	0.00	0.00
12	58.5	0.732	1.147	0	0.00	0.00
14	49.5	0.773	0.939	0	0.00	0.00
16	45.0	0.797	0.832	0	0.00	0.00
17	36.0	0.867	0.800	0	0.00	0.00
19	27.0	1.330	0.776	0	0.00	0.00
				972,962	0.84	1.53

ROADWAY FUNCTIONAL CLASS CODE

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

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

LDEQ, OEA, 10/20/2006

```
* St. James Parish; Ozone Season, 2008
*******************  Header Section  **************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
*******************  Run Section  ****************************
>Year 2008 - St. James Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 72.7 90.7
ABSOLUTE HUMIDITY  : 147.6
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: E:\MOBILE6\RUN\STJM_SIP\STJMS_08.IN (file 1, run 1).          *
*****************************************************************************
*Year 2008 - St. James Parish Emission Factors
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


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

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

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

                  Calendar Year:  2008
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.5984	0.1650	0.0207		0.0622	0.0006	0.0003	0.1468	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.739	0.778	0.464	0.743	0.666	0.311	0.315	0.284	2.92	0.681
Composite NOX :	0.604	0.726	0.706	0.723	3.532	1.299	1.033	13.490	1.36	2.704

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

```
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
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 :	0.752	0.791	0.471	0.758	0.678	0.312	0.326	0.286	2.60	0.721
Composite NOX :	0.597	0.714	0.695	0.712	3.440	1.097	0.883	10.586	1.26	1.509

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
          Maximum Temperature:  90.7 (F)
            Absolute Humidity:  148. grains/lb
             Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.5 psi
          Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.786     0.823     0.490     0.787     0.721     0.322     0.330     0.307      2.36     0.757
     Composite NOX :      0.584     0.692     0.671     0.690     3.239     0.853     0.678     8.266      1.07     1.215
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
          Maximum Temperature:  90.7 (F)
            Absolute Humidity:  148. grains/lb
             Nominal Fuel RVP:   7.8 psi
                Weathered RVP:   7.5 psi
          Fuel Sulfur Content:   30. ppm

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

```
                 ATP Program:  Yes
           Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34     LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:              <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.806     0.841     0.501     0.809     0.750     0.332     0.355     0.325      2.38     0.787
    Composite NOX :      0.578     0.681     0.661     0.679     3.120     0.784     0.636     7.646      1.02     1.020
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
           Maximum Temperature:  90.7 (F)
             Absolute Humidity:  148. grains/lb
              Nominal Fuel RVP:   7.8 psi
                 Weathered RVP:   7.5 psi
           Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.852     0.879     0.524     0.862     0.861     0.363     0.497     0.383      2.51     0.863
    Composite NOX :      0.570     0.663     0.642     0.662     2.928     0.726     0.675     6.974      0.99     1.040
 ---------------------------------------------------------------------------------------------------------------------
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

       Vehicle Type:      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 :      1.300     1.296     0.825     1.287     1.943     0.592     1.153     0.840      3.77     1.338
     Composite NOX :      0.610     0.666     0.672     0.666     2.393     0.967     1.195     8.802      0.80     1.096
  ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
              Maximum Temperature:  90.7 (F)
                Absolute Humidity:  148. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.752     0.791     0.471     0.743     0.668     0.312     0.291     0.285      2.60     0.721
    Composite NOX :      0.597     0.714     0.692     0.711     3.423     1.097     0.840    11.538      1.26     1.393
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
              Maximum Temperature:  90.7 (F)
                Absolute Humidity:  148. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  No
```

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

      Vehicle Type:      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 :      0.752     0.791     0.470     0.743     0.675     0.312     0.291     0.287      2.60     0.732
    Composite NOX :      0.597     0.714     0.689     0.710     3.431     1.097     0.839    11.484      1.26     1.147
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.786     0.823     0.489     0.774     0.717     0.322     0.302     0.307      2.36     0.773
    Composite NOX :      0.584     0.692     0.668     0.688     3.235     0.853     0.650     8.142      1.07     0.939
 ---------------------------------------------------------------------------------------------------------------------------
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
              Maximum Temperature:  90.7 (F)
                Absolute Humidity:  148. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	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 :	0.806	0.841	0.500	0.817	0.770	0.332	0.398	0.329	2.38	0.797
Composite NOX :	0.578	0.680	0.658	0.679	3.154	0.784	0.676	7.594	1.02	0.832

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.852     0.880     0.523     0.859     0.881     0.363     0.470     0.389      2.51     0.867
    Composite NOX :      0.570     0.664     0.640     0.662     2.952     0.726     0.654     6.963      0.99     0.800
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm
```

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

Vehicle Type:	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 :	1.300	1.296	0.816	1.285	1.895	0.592	1.052	0.834	3.77	1.330
Composite NOX :	0.610	0.666	0.638	0.665	2.371	0.967	1.112	8.544	0.80	0.776

2011 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
ST. JAMES 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	0.551	1.900	221,549	0.13	0.46
02	58.5	0.581	1.094	0	0.00	0.00
06	49.5	0.607	0.890	234,964	0.16	0.23
07	45.0	0.631	0.757	459,560	0.32	0.38
08	36.0	0.699	0.774	83,743	0.06	0.07
09	27.0	1.067	0.824	22,102	0.03	0.02
11	58.5	0.579	1.006	0	0.00	0.00
12	58.5	0.586	0.838	0	0.00	0.00
14	49.5	0.618	0.700	0	0.00	0.00
16	45.0	0.635	0.627	0	0.00	0.00
17	36.0	0.695	0.608	0	0.00	0.00
19	27.0	1.053	0.600	0	0.00	0.00
				1,021,918	0.70	1.17

ROADWAY FUNCTIONAL CLASS CODE

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

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

LDEQ, OEA, 10/20/2006

```
* St. James Parish; Ozone Season, 2011
*******************  Header Section  **************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
*******************  Run Section  ****************************
>Year 2011 - St. James Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 72.7 90.7
ABSOLUTE HUMIDITY  : 147.6
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: E:\MOBILE6\RUN\STJM_SIP\STJMS_11.IN (file 1, run 1).      *
*************************************************************************
*Year 2011 - St. James Parish Emission Factors
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


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

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

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

                  Calendar Year:  2011
                          Month:  July
                       Altitude:  Low
            Minimum Temperature:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:               <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.585     0.656     0.372     0.624     0.524     0.139     0.158     0.236      2.87     0.551
    Composite NOX :      0.468     0.586     0.518     0.578     2.398     0.561     0.543     9.225      1.36     1.900
 -----------------------------------------------------------------------------------------------------------------------

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

```
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.595     0.665     0.377     0.636     0.531     0.140     0.159     0.238      2.56     0.581
    Composite NOX :      0.463     0.577     0.510     0.570     2.335     0.473     0.458     7.311      1.26     1.094
  ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
      Maximum Temperature:  90.7 (F)
        Absolute Humidity:  148. grains/lb
         Nominal Fuel RVP:   7.8 psi
            Weathered RVP:   7.5 psi
      Fuel Sulfur Content:   30. ppm

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

     Vehicle Type:      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 :      0.619     0.688     0.389     0.656     0.561     0.145     0.166     0.255      2.32     0.607
    Composite NOX :      0.453     0.560     0.492     0.552     2.200     0.367     0.353     5.706      1.07     0.890
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
      Maximum Temperature:  90.7 (F)
        Absolute Humidity:  148. grains/lb
         Nominal Fuel RVP:   7.8 psi
            Weathered RVP:   7.5 psi
      Fuel Sulfur Content:   30. ppm

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

```
                    ATP Program:  Yes
              Reformulated Gas:  No

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
             GVWR:               <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  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 :      0.635     0.702     0.397     0.672     0.583     0.150     0.173     0.270      2.33     0.631
    Composite NOX :      0.449     0.551     0.484     0.545     2.119     0.337     0.325     5.268      1.02     0.757
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.669     0.730     0.415     0.714     0.655     0.166     0.200     0.318      2.47     0.699
    Composite NOX :      0.443     0.538     0.470     0.534     1.987     0.312     0.305     4.796      0.99     0.774
 ---------------------------------------------------------------------------------------------------------------------------
```

```
* # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
               Maximum Temperature:  90.7 (F)
                 Absolute Humidity:  148. grains/lb
                  Nominal Fuel RVP:   7.8 psi
                     Weathered RVP:   7.5 psi
               Fuel Sulfur Content:   30. ppm

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

       Vehicle Type:      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 :      1.010     1.057     0.652     1.049     1.335     0.281     0.382     0.698      3.73     1.067
     Composite NOX :      0.481     0.545     0.493     0.544     1.625     0.417     0.431     6.130      0.80     0.824
  ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
Maximum Temperature:  90.7 (F)
  Absolute Humidity:  148. grains/lb
   Nominal Fuel RVP:   7.8 psi
      Weathered RVP:   7.5 psi
Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	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 :	0.595	0.665	0.376	0.622	0.528	0.140	0.158	0.237	2.56	0.579
Composite NOX :	0.463	0.577	0.508	0.566	2.324	0.473	0.455	7.867	1.26	1.006

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
Maximum Temperature:  90.7 (F)
  Absolute Humidity:  148. grains/lb
   Nominal Fuel RVP:   7.8 psi
      Weathered RVP:   7.5 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  No
```

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

      Vehicle Type:      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 :      0.595     0.665     0.376     0.622     0.530     0.140     0.158     0.239      2.56     0.586
    Composite NOX :      0.463     0.577     0.505     0.566     2.329     0.473     0.455     7.817      1.26     0.838
 ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.619     0.688     0.389     0.644     0.559     0.145     0.164     0.255      2.32     0.618
    Composite NOX :      0.453     0.560     0.490     0.549     2.196     0.367     0.352     5.599      1.07     0.700
 ---------------------------------------------------------------------------------------------------------------------
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
              Maximum Temperature:  90.7 (F)
                Absolute Humidity:  148. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :     0.635     0.702     0.397     0.680     0.592     0.150     0.175     0.274      2.33     0.635
     Composite NOX :     0.449     0.551     0.482     0.546     2.144     0.337     0.327     5.231      1.02     0.627
  ---------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.669     0.730     0.414     0.712     0.663     0.166     0.199     0.324      2.47     0.695
    Composite NOX :      0.443     0.538     0.469     0.534     2.006     0.312     0.304     4.794      0.99     0.608
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm
```

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

Vehicle Type:	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 :	1.010	1.057	0.644	1.047	1.320	0.281	0.374	0.692	3.73	1.053
Composite NOX :	0.481	0.545	0.468	0.543	1.607	0.417	0.424	5.902	0.80	0.600

2014 PROJECTED ON-ROAD MOBILE EMISSIONS INVENTORY
ST. JAMES 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	0.442	1.271	233,383	0.11	0.33
02	58.5	0.463	0.764	0	0.00	0.00
06	49.5	0.482	0.634	247,515	0.13	0.17
07	45.0	0.500	0.550	484,108	0.27	0.29
08	36.0	0.563	0.565	88,216	0.05	0.05
09	27.0	0.860	0.604	22,191	0.02	0.01
11	58.5	0.459	0.706	0	0.00	0.00
12	58.5	0.464	0.601	0	0.00	0.00
14	49.5	0.490	0.513	0	0.00	0.00
16	45.0	0.501	0.467	0	0.00	0.00
17	36.0	0.555	0.458	0	0.00	0.00
19	27.0	0.840	0.461	0	0.00	0.00
				1,075,413	0.59	0.86

ROADWAY FUNCTIONAL CLASS CODE

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

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

LDEQ, OEA, 10/20/2006

```
* St. James Parish; Ozone Season, 2014
*******************  Header Section  **************************
MOBILE6 INPUT FILE :
POLLUTANTS         : HC NOX
RUN DATA
*******************  Run Section  ****************************
>Year 2014 - St. James Parish Emission Factors
NO REFUELING       :
MIN/MAX TEMP       : 72.7 90.7
ABSOLUTE HUMIDITY  : 147.6
FUEL RVP           : 7.8
REG DIST           : LA_REGD.D
ANTI-TAMP PROG     : 00 80 95 22222 21111111 1 11 072. 22222222
*******************  Scenario Section  ************************
SCENARIO REC       : Rural interstate, 63.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 63.0 Non-Ramp 100.0 0.0 0.0 0.0
VMT FRACTIONS      :
0.599  0.038  0.127  0.014  0.007  0.068  0.007  0.005
0.004  0.015  0.017  0.019  0.069  0.003  0.002  0.006
*******************  Scenario Section  ************************
SCENARIO REC       : Rural principal arterial, 58.5
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 58.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.652  0.048  0.160  0.016  0.008  0.036  0.004  0.003
0.002  0.008  0.009  0.010  0.037  0.002  0.001  0.004
*******************  Scenario Section  ************************
SCENARIO REC       : Rural minor arterial, 49.5
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 49.5 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.672  0.046  0.155  0.017  0.008  0.032  0.003  0.002
0.002  0.007  0.008  0.009  0.032  0.002  0.001  0.004
*******************  Scenario Section  ************************
SCENARIO REC       : Rural major collector, 45.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 45.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.667  0.054  0.178  0.017  0.008  0.023  0.002  0.002
0.001  0.005  0.006  0.007  0.024  0.001  0.001  0.004
*******************  Scenario Section  ************************
SCENARIO REC       : Rural minor collector, 36.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
AVERAGE SPEED      : 36.0 Arterial 0.0 100.0 0.0 0.0
VMT FRACTIONS      :
0.639  0.056  0.186  0.009  0.004  0.027  0.003  0.002
0.002  0.006  0.007  0.008  0.027  0.001  0.001  0.022
*******************  Scenario Section  ************************
SCENARIO REC       : Rural local, 27.0
CALENDAR YEAR      : 2014
EVALUATION MONTH   : 7
ALTITUDE           : 1
VMT BY FACILITY    : localvmt.d
VMT FRACTIONS      :
0.654  0.057  0.189  0.003  0.002  0.024  0.002  0.002
0.001  0.005  0.006  0.007  0.025  0.001  0.001  0.021
```

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

END OF RUN
```

```
*************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                            *
* Input file: E:\MOBILE6\RUN\STJM_SIP\STJMS_14.IN (file 1, run 1).      *
*************************************************************************
*Year 2014 - St. James Parish Emission Factors
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.


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

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

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

                  Calendar Year:  2014
                          Month:  July
                       Altitude:  Low
             Minimum Temperature:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.5985	0.1650	0.0207		0.0620	0.0005	0.0003	0.1470	0.0060	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.460	0.534	0.305	0.508	0.408	0.086	0.114	0.200	2.87	0.442
Composite NOX :	0.364	0.475	0.403	0.467	1.519	0.297	0.357	5.874	1.36	1.271

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

* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 58.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M615 Comment:
              User supplied VMT mix.
  M 48 Warning:
            there are no sales for vehicle class HDGV8b
  M 48 Warning:
            there are no sales for vehicle class LDDT12

                 Calendar Year:  2014
                         Month:  July
                      Altitude:  Low
            Minimum Temperature:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6514	0.2080	0.0236		0.0329	0.0006	0.0004	0.0791	0.0040	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.467	0.540	0.309	0.516	0.413	0.086	0.115	0.202	2.56	0.463
Composite NOX :	0.360	0.468	0.397	0.461	1.477	0.250	0.301	4.664	1.26	0.764

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	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 :	0.484	0.557	0.318	0.531	0.436	0.090	0.119	0.217	2.32	0.482
Composite NOX :	0.353	0.455	0.382	0.447	1.392	0.194	0.233	3.647	1.07	0.634

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
```

```
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.496     0.566     0.324     0.543     0.453     0.093     0.124     0.229      2.33     0.500
    Composite NOX :      0.349     0.448     0.376     0.441     1.341     0.178     0.213     3.360      1.02     0.550
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6384	0.2420	0.0128		0.0249	0.0006	0.0002	0.0591	0.0220	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.523	0.587	0.338	0.575	0.510	0.103	0.140	0.270	2.47	0.563
Composite NOX :	0.345	0.437	0.365	0.433	1.259	0.165	0.197	3.056	0.99	0.565

```
* # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
              Maximum Temperature:  90.7 (F)
                Absolute Humidity:  148. grains/lb
                 Nominal Fuel RVP:   7.8 psi
                    Weathered RVP:   7.5 psi
              Fuel Sulfur Content:   30. ppm

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

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.6534	0.2460	0.0049		0.0215	0.0006	0.0001	0.0525	0.0210	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.791	0.847	0.534	0.841	1.035	0.177	0.252	0.593	3.73	0.860
Composite NOX :	0.381	0.446	0.381	0.445	1.029	0.220	0.264	3.902	0.80	0.604

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

```
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	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 :	0.467	0.540	0.308	0.506	0.412	0.086	0.115	0.201	2.56	0.459
Composite NOX :	0.360	0.468	0.395	0.457	1.473	0.250	0.301	5.006	1.26	0.706

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
               Nominal Fuel RVP:   7.8 psi
                  Weathered RVP:   7.5 psi
            Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :      0.467     0.540     0.308     0.505     0.411     0.086     0.115     0.203      2.56     0.464
    Composite NOX :      0.360     0.468     0.393     0.457     1.473     0.250     0.301     4.973      1.26     0.601
 ---------------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
            Maximum Temperature:  90.7 (F)
              Absolute Humidity:  148. grains/lb
```

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

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

      Vehicle Type:      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 :      0.484     0.557     0.318     0.521     0.435     0.090     0.119     0.216      2.32     0.490
    Composite NOX :      0.353     0.454     0.381     0.443     1.390     0.194     0.233     3.565      1.07     0.513
 -----------------------------------------------------------------------------------------------------------------------

* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :	0.496	0.566	0.324	0.549	0.459	0.093	0.124	0.233	2.33	0.501
Composite NOX :	0.349	0.447	0.375	0.442	1.354	0.178	0.213	3.344	1.02	0.467

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

Vehicle Type:	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 :	0.523	0.588	0.337	0.573	0.514	0.103	0.140	0.275	2.47	0.555
Composite NOX :	0.345	0.437	0.364	0.433	1.267	0.165	0.197	3.066	0.99	0.458

```
* # # # # # # # # # # # # # # # # # # # # # # # # #
* 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:  72.7 (F)
             Maximum Temperature:  90.7 (F)
               Absolute Humidity:  148. grains/lb
                Nominal Fuel RVP:   7.8 psi
                   Weathered RVP:   7.5 psi
             Fuel Sulfur Content:   30. ppm

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

      Vehicle Type:      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 :     0.791     0.847     0.528     0.840     1.025     0.177     0.252     0.586      3.73     0.840
    Composite NOX :     0.381     0.446     0.362     0.444     1.020     0.220     0.264     3.719      0.80     0.461
 ---------------------------------------------------------------------------------------------------------------------------
```