

# Appendix O

## Reasonable Further Progress



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# 1 INTRODUCTION

Section 182(b)(1) of the Clean Air Act (CAA) mandates a 15 percent volatile organic compounds (VOC) emission reduction, accounting for growth, in the first 6 years after the baseline year (2002) for moderate and above ozone nonattainment areas. Thus, for the Charlotte-Gastonia-Rock Hill, NC-SC 8-hour ozone nonattainment area (referred to as the Metrolina area), a reasonable further progress (RFP) analysis between 2002 and 2008 is required. Although the Charlotte-Gastonia 1-hour ozone nonattainment area (comprised of Mecklenburg and Gaston Counties) was classified as moderate following the 1990 Clean Air Act Amendments (CAAA), the area had measured attainment of the 1-hour standard prior to the 15 percent Rate of Progress (ROP) requirement coming due on November 15, 1993. Therefore, this area did not implement a 15 percent ROP plan under the 1-hour standard, and the RFP requirement must be met through VOC reductions only, consistent with the CAA.

## 2 CALCULATION OF RFP TARGET

The methodology the NCDAQ used to calculate the RFP target levels of VOC emissions is based on the method developed in the CAAA, while taking into account the restrictions on creditable emissions and the need to use the 2002 inventory as a baseline. The CAAA of 1990 specified four types of measures that were not creditable toward the 15 percent RFP requirement. These were:

- (1) Any measure relating to motor vehicle exhaust or evaporative emissions promulgated by the Administrator by January 1, 1990.
- (2) Regulations concerning Reid Vapor Pressure (RVP) promulgated after 1990 or required under section 211(h).
- (3) Measures required under section 182(a)(2)(A) to correct deficiencies in State Implementation Plans (SIPs) regarding VOC Reasonably Available Control Technology (RACT) regulations required prior to enactment of the CAA Amendments of 1990.
- (4) State regulations submitted to correct deficiencies in vehicle inspection and maintenance (I/M) existing or required programs.

These four types of measures were all expected to result in a decrease in emissions between 1990 and 1996. Of these four types of measures, RACT and I/M program corrections and the 1992 RVP requirements were completely in place by 1996 and therefore are already accounted for in the 2002 baseline. As a result, they would produce no additional reductions between 2002 and 2008 or later milestone years.

However, the pre-1990 Federal Motor Vehicle Control Program (FMVCP) will continue to provide additional benefits during the first two decades of the 21st century as remaining vehicles meeting pre-1990 standards are removed from the vehicle fleet. Since these benefits are not creditable for RFP purposes, in order to calculate the target level of emissions for future RFP

milestone years, you must first calculate the reductions that would occur over these future years as a result of the pre-1990 FMVCP. The North Carolina Division of Air Quality (NCDAQ) used Method 1 to account for non-creditable reductions when calculating RFP targets for the 2008 milestone year. They are consistent with requirements of sections 182(b)(1)(C) and (D) and 182(c)(2)(B) of the CAAA. The NCDAQ did not have VOC RACT regulations in the Metrolina region prior to the enactment of the 1990 CAAA, thus only the on-road mobile source sector required an estimation of non-creditable emissions.

Method 1: For areas that must meet a 15 percent VOC reduction requirement by 2008:

- (A) Estimate the actual anthropogenic base year VOC inventory in 2002 with all 2002 control programs in place for all sources.
- (B) Using the same highway vehicle activity inputs used to calculate the actual 2002 inventory, run the appropriate motor vehicle emissions model for 2002 and for 2008 with all post-1990 CAA measures turned off. Any other local inputs for vehicle inspection and maintenance (I/M) programs should be set according to the program that was required to be in place in 1990. Fuel Reid Vapor Pressure (RVP) should be set at 9.0 or 7.8 depending on the RVP required in the local area as a result of fuel RVP regulations promulgated in June, 1990.
- (C) Calculate the difference between the 2002 and 2008 VOC emission factors calculated in Step B and multiply by 2002 vehicle miles traveled (VMT). The result is the VOC emissions reductions that will occur between 2002 and 2008 without the benefits of any post-1990 CAA measures. These are the non-creditable reductions that occur over this period.
- (D) Subtract the non-creditable reductions calculated in Step C from the actual anthropogenic 2002 inventory estimated in Step A. This adjusted VOC inventory is the basis for calculating the target level of emissions in 2008.
- (E) Reduce the adjusted VOC inventory calculated in Step D by 15 percent. The result is the target level of VOC emissions in 2008 in order to meet the 2008 ROP requirement. The actual projected 2008 inventory for all sources with all control measures in place and including projected 2008 growth in activity must be at or lower than this target level of emissions.

The NCDAQ's 2002 baseline VOC emissions for the Metrolina area are presented in Table 1. The 2008 VOC emission estimates are included in Table 2. Table 3 below provides the summary 15% RFP analysis showing the projected 2008 VOC emissions for the area, 188.1 tons/day are well below the target level of emissions, 263.9 tons/day, as calculated using Method 1.

**Table 1 Metrolina Nonattainment Area 2002 Baseline VOC Emissions (tons/day)**

County	Point	Area	Non-Road	Highway Mobile	Total
Cabarrus	2.2	6.0	2.7	21.5	32.4
Gaston	2.5	8.9	2.9	13.5	27.8
Iredell (partial)	0.9	1.9	0.9	5.1	8.8
Lincoln	2.1	3.1	1.3	7.1	13.6
Mecklenburg	5.7	29.4	24.1	68.0	127.2
Rowan	6.3	5.6	2.3	14.8	29.0
Union	1.0	6.4	4.7	13.0	25.1
Total	20.7	61.3	38.9	143.0	263.9

**Table 2 Metrolina Nonattainment Area 2008 Baseline VOC Emissions (tons/day)**

County	Point	Area	Non-Road	Highway Mobile	Total
Cabarrus	2.3	5.9	1.5	12.5	22.2
Gaston	2.7	9.4	2.0	9.0	23.1
Iredell (partial)	0.7	1.8	0.5	4.2	7.2
Lincoln	2.1	2.9	0.8	4.8	10.6
Mecklenburg	5.9	30.1	13.0	35.4	84.4
Rowan	6.0	5.6	1.5	9.7	22.8
Union	1.2	5.7	1.7	9.2	17.8
Total	20.9	61.4	21.0	84.8	188.1

**Table 3 Metrolina Nonattainment Area 15% RFP Analysis**

Metrolina 15% RFP Analysis	VOC (tons/day)	Step from Method 1
Total 2002 Base year anthropogenic VOC emissions	263.9	Step A
Non-creditable VOC reductions	11.3	Step C
2002 base year minus the non-creditable emissions	252.6	Step D
2008 target level of VOC emissions	214.7	Step E
2008 projected VOC emissions	188.1	Projection < Target RFP goal met

The NCDAQ must show continued progress from 2008 through the attainment date (June 15, 2010). To do so, the NCDAQ calculated the expected benefits from the fleet turnover for the on-road and off-road mobile sectors. In 2009 and 2010, the NCDAQ expects approximately 7.6 tons per day of NO<sub>x</sub> emissions reductions from this fleet turnover. The NCDAQ did not calculate future expected VOC emissions reductions in 2009 and 2010 since the area is NO<sub>x</sub> limited, but additional VOC reductions are expected from the fleet turnover of the on-road mobile sector. The NCDAQ believes these additional reductions demonstrate continued reasonable further progress toward attainment beyond 2008.

Another requirement of RFP is that VOC motor vehicle emission budgets (MVEBs), for transportation conformity purposes, need to be set for the RFP year 2008. The NCDAQ has determined that mobile source VOC emissions are insignificant to ozone formation in the Metrolina nonattainment area (see Appendix F.3). Therefore, the RFP MVEBs are not required.

### 3 ESTIMATION OF NON-CREDITABLE REDUCTIONS

<b>Cabarrus County</b>	<b>2002 VMT</b>	<b>2002 w/o CAA</b>	<b>2008 w/o CAA</b>	<b>2002<sub>w/o CAA</sub> EF- 2008<sub>w/o CAA</sub> EF</b>	<b>Non Creditable Emissions</b>
Rural Interstate				0.000	0.000
Rural principle arterial	324,349	2.093	1.732	0.361	0.129
Rural minor arterial	211,964	2.118	1.846	0.272	0.064
Rural major collector	385,957	2.184	1.898	0.286	0.122
Rural minor collector	299,131	2.235	1.953	0.282	0.093
Rural local	488,675	2.413	2.04	0.373	0.201
Urban interstate	1,246,972	2.049	1.84	0.209	0.287
Urban freeway	0			0.000	0.000
Urban principle arterial	670,359	2.445	2.121	0.324	0.239
Urban minor arterial	583,244	2.416	2.096	0.320	0.206
Urban collector	298,966	2.367	2.076	0.291	0.096
Urban local	805,910	2.449	2.076	0.373	0.331
					<b>1.768</b>
2002 Cabarrus VOC Emissions	21.5	tons/day			
2008 Cabarrus VOC Emissions	12.5	tons/day			
<b>On-road Mobile Target 2008 VOC Emissions</b>	<b>16.772</b>	<b>tons/day</b>			

<b>Gaston County</b>	<b>2002 VMT</b>	<b>2002 w/o CAA</b>	<b>2008 w/o CAA</b>	<b>2002<sub>w/o CAA</sub> EF- 2008<sub>w/o CAA</sub> EF</b>	<b>Non Creditable Emissions</b>
Rural Interstate	202,517	1.506	1.195	0.311	0.069
Rural principle arterial	227,278	1.364	1.216	0.148	0.037
Rural minor arterial	317,040	1.537	1.413	0.124	0.043
Rural major collector	460,235	1.523	1.364	0.159	0.081
Rural minor collector	219,603	1.517	1.374	0.143	0.035
Rural local	413,826	1.684	1.499	0.185	0.084
Urban interstate	2,020,626	1.404	1.283	0.121	0.270
Urban freeway	102,101	1.398	1.247	0.151	0.017
Urban principle arterial	1,091,841	1.749	1.594	0.155	0.187
Urban minor arterial	778,751	1.674	1.539	0.135	0.116
Urban collector	75,464	1.768	1.594	0.174	0.014
Urban local	801,096	1.713	1.525	0.188	0.166
					<b>1.050</b>
2002 Gaston VOC Emissions	13.5	tons/day			
2008 Gaston VOC Emissions	9.0	tons/day			
<b>On-road Mobile Target 2008 VOC Emissions</b>	<b>10.583</b>	<b>tons/day</b>			



<b>Iredell County (NA portion)</b>	<b>2002 VMT</b>	<b>2002 w/o CAA</b>	<b>2008 w/o CAA</b>	<b>2002<sub>w/o CAA</sub> EF- 2008<sub>w/o CAA</sub> EF</b>	<b>Non Creditable Emissions</b>
Rural Interstate	968,000	1.8	1.661	0.139	0.148
Rural principle arterial	5,000	1.96	1.657	0.303	0.002
Rural minor arterial	176,000	2.978	3.443	-0.465	-0.090
Rural major collector	194,000	2.364	2.216	0.148	0.032
Rural minor collector	143,000	2.5	2.209	0.291	0.046
Rural local	354,000	2.5	2.381	0.119	0.046
Urban interstate	8,000	1.914	1.619	0.295	0.003
Urban freeway	0			0.000	0.000
Urban principle arterial	78,000	2.679	2.575	0.104	0.009
Urban minor arterial	130,000	2.53	2.318	0.212	0.030
Urban collector	43,000	2.567	2.28	0.287	0.014
Urban local	153,000	2.922	2.579	0.343	0.058
					<b>0.150</b>
2002 Iredell VOC Emissions	5.1	tons/day			
2008 Iredell VOC Emissions	4.2	tons/day			
<b>On-road Mobile Target 2008 VOC Emissions</b>	<b>4.208</b>	<b>tons/day</b>			

<b>Lincoln County</b>	<b>2002 VMT</b>	<b>2002 w/o CAA</b>	<b>2008 w/o CAA</b>	<b>2002<sub>w/o CAA</sub> EF- 2008<sub>w/o CAA</sub> EF</b>	<b>Non Creditable Emissions</b>
Rural Interstate	0			0.000	0.000
Rural principle arterial	252,752	1.897	1.625	0.272	0.076
Rural minor arterial	556,376	2.242	1.897	0.345	0.212
Rural major collector	175,958	2.065	1.753	0.312	0.061
Rural minor collector	214,940	2.101	1.807	0.294	0.070
Rural local	487,396	2.413	2.04	0.373	0.200
Urban interstate	0			0.000	0.000
Urban freeway	0			0.000	0.000
Urban principle arterial	127,620	2.188	1.888	0.300	0.042
Urban minor arterial	50,780	2.726	2.277	0.449	0.025
Urban collector	24,699	2.641	2.321	0.320	0.009
Urban local	254,959	2.449	2.076	0.373	0.105
					<b>0.800</b>
2002 Lincoln VOC Emissions	7.1	tons/day			
2008 Lincoln VOC Emissions	4.8	tons/day			
<b>On-road Mobile Target 2008 VOC Emissions</b>	<b>5.355</b>	<b>tons/day</b>			

Mecklenburg County	2002 VMT	2002 w/o CAA	2008 w/o CAA	2002 <sub>w/o CAA</sub> EF- 2008 <sub>w/o CAA</sub> EF	Non Creditable Emissions
Rural Interstate				0.000	0.000
Rural principle arterial	862,659	1.583	1.601	-0.018	-0.017
Rural minor arterial	889,625	1.716	1.836	-0.120	-0.118
Rural major collector	102,926	1.473	1.473	0.000	0.000
Rural minor collector	676,325	1.579	1.57	0.009	0.007
Rural local	1,407,138	1.684	1.499	0.185	0.287
Urban interstate	6,526,862	1.449	1.307	0.142	1.022
Urban freeway	2,601,924	1.51	1.306	0.204	0.585
Urban principle arterial	4,120,914	1.79	1.615	0.175	0.795
Urban minor arterial	3,836,035	1.788	1.592	0.196	0.829
Urban collector	1,675,106	1.813	1.638	0.175	0.323
Urban local	2,961,152	1.713	1.525	0.188	0.614
					<b>4.327</b>
2002 Meck VOC Emissions	68	tons/day			
2008 Meck VOC Emissions	35.4	tons/day			
<b>On-road Mobile Target 2008 VOC Emissions</b>	<b>54.122</b>	<b>tons/day</b>			

Rowan County	2002 VMT	2002 w/o CAA	2008 w/o CAA	2002 <sub>w/o CAA</sub> EF- 2008 <sub>w/o CAA</sub> EF	Non Creditable Emissions
Rural Interstate				0.000	0.000
Rural principle arterial	301,122	2.106	1.743	0.363	0.120
Rural minor arterial	138,870	2.04	1.758	0.282	0.043
Rural major collector	557,888	2.055	1.762	0.293	0.180
Rural minor collector	230,904	2.058	1.755	0.303	0.077
Rural local	647,760	2.413	2.04	0.373	0.266
Urban interstate	1,365,153	1.907	1.606	0.301	0.453
Urban freeway	0			0.000	0.000
Urban principle arterial	290,314	2.242	1.926	0.316	0.101
Urban minor arterial	443,688	2.24	1.911	0.329	0.161
Urban collector	196,149	2.321	1.955	0.366	0.079
Urban local	698,343	2.449	2.076	0.373	0.287
					<b>1.767</b>
2002 Rowan VOC Emissions	14.8	tons/day			
2008 Rowan VOC Emissions	9.7	tons/day			
<b>On-road Mobile Target 2008 VOC Emissions</b>	<b>11.078</b>	<b>tons/day</b>			

Union County	2002 VMT	2002 w/o CAA	2008 w/o CAA	2002 <sub>w/o CAA</sub> EF- 2008 <sub>w/o CAA</sub> EF	Non Creditable Emissions
Rural Interstate	0			0.000	0.000
Rural principle arterial	879,771	2.068	1.732	0.336	0.326
Rural minor arterial	225,913	2.082	1.822	0.260	0.065
Rural major collector	723,540	2.133	1.814	0.319	0.254
Rural minor collector	247,019	2.125	1.818	0.307	0.084
Rural local	1,267,433	2.413	2.04	0.373	0.521
Urban interstate	0			0.000	0.000
Urban freeway	0	2.257	1.896	0.361	0.000
Urban principle arterial	85,523	2.341	2.007	0.334	0.031
Urban minor arterial	221,132	2.318	2.027	0.291	0.071
Urban collector	44,271	2.272	1.955	0.317	0.015
Urban local	279,986	2.449	2.076	0.373	0.115
					<b>1.482</b>
2002 Union VOC Emissions	13	tons/day			
2008 Union VOC Emissions	9.2	tons/day			
<b>On-road Mobile Target 2008 VOC Emissions</b>	<b>9.790</b>	<b>tons/day</b>			

County	Non-Creditable Emissions
Cabarrus	1.768
Gaston	1.050
Iredell	0.150
Lincoln	0.800
Mecklenburg	4.327
Rowan	1.767
Union	1.482
Total	11.344

## 4 MOBILE INPUT AND OUTPUT FILES

The following sections include the mobile model input and output files used to calculate the non-creditable emission reductions for RFP.

### 4.1 MOBILE Input Files

#### DONUT02N.IN

MOBILE6 INPUT FILE :

```
> Donut Area (Cabarrus/Union/Lincoln/Iredell/Rowan) Non I/M Analysis for 2002 using
> 2/18/05 daily speeds except Iredell Co. which are the 11/04 speeds for the partial county
> with DAQ generated vehicle Mix with no CAA
```

```
POLLUTANTS      : HC
SPREADSHEET     : DONUT AREAS NON I/M VOC
WITH FIELDNAMES :
RUN DATA       :
```

\*\*\*\*\* RUN SECTION \*\*\*\*\*

```
FUEL RVP        : 9.0
```

```
REG DIST        : ncage04.prn
```

```
HOURLY TEMPERATURES: 71.0 73.8 77.0 80.3 82.5 85.4 87.3 88.5 89.1 88.5 89.6 89.2
                    86.3 82.6 77.8 77.5 76.2 75.9 75.0 74.0 73.2 82.3 71.6 71.0
```

```
ANTI-TAMP PROG  :
91 68 50 22222 22222222 2 11 095. 22212222
```

```
NO CLEAN AIR ACT :
```

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

```
SCENARIO RECORD  : Rural principle arterial-Cabarrus County
CALENDAR YEAR    : 2002
EVALUATION MONTH : 7
```

```
> Rural other principle arterial mix and speeds
```

```
VMT FRACTIONS    :
0.4485   0.0682  0.2269  0.0699  0.0322  0.0456  0.0046  0.0036
0.0026   0.0100  0.0131  0.0144  0.0513  0.0022  0.0011  0.0058
```

```
AVERAGE SPEED   : 43 Non-Ramp 100.0 0.0 0.0 0.0
```

```
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                    53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.
```

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

```
SCENARIO RECORD  : Rural minor arterial-Cabarrus County
CALENDAR YEAR    : 2002
EVALUATION MONTH : 7
```

```
> Rural minor arterial mix and speeds
```

```
VMT FRACTIONS    :
0.4722   0.0718  0.2387  0.0736  0.0338  0.0432  0.0044  0.0034
0.0025   0.0095  0.0063  0.0069  0.0244  0.0022  0.0010  0.0061
```

```
AVERAGE SPEED   : 46 Arterial 0.0 100.0 0.0 0.0
```

```
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                    53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.
```

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

```
SCENARIO RECORD  : Rural major collector-Cabarrus County
```

```

CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7

> Rural major collector mix and speeds

VMT FRACTIONS      :
0.4778      0.0726  0.2416  0.0745  0.0342  0.0429  0.0043  0.0034
0.0025      0.0094  0.0046  0.0050  0.0179  0.0021  0.0010  0.0062

AVERAGE SPEED      : 42 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Rural minor collector-Cabarrus County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Rural minor collector mix and speeds

VMT FRACTIONS      :
0.4742      0.0720  0.2397  0.0739  0.0339  0.0452  0.0045  0.0036
0.0026      0.0099  0.0052  0.0056  0.0202  0.0023  0.0011  0.0061

AVERAGE SPEED      : 38 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Rural local-Cabarrus County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Rural local mix and speeds

VMT FRACTIONS      :
0.4741      0.0721  0.2397  0.0738  0.0340  0.0454  0.0044  0.0035
0.0025      0.0100  0.0052  0.0057  0.0202  0.0022  0.0011  0.0061

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban interstate-Cabarrus County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban interstate mix and speeds

VMT FRACTIONS      :
0.4314      0.0655  0.2181  0.0672  0.0309  0.0585  0.0058  0.0046
0.0034      0.0129  0.0153  0.0167  0.0598  0.0029  0.0014  0.0056

AVERAGE SPEED      : 44 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban principle arterial-Cabarrus County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS      :
0.4951      0.0752  0.2502  0.0771  0.0355  0.0293  0.0029  0.0023

```

```

0.0017    0.0064  0.0026  0.0029  0.0104  0.0014  0.0007  0.0063

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban minor arterial-Cabarrus County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS      :
0.4919    0.0748  0.2489  0.0767  0.0352  0.0338  0.0034  0.0027
0.0020    0.0075  0.0024  0.0026  0.0094  0.0016  0.0007  0.0064

AVERAGE SPEED      : 31 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban collector-Cabarrus County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban collector mix and speeds

VMT FRACTIONS      :
0.4927    0.0749  0.2492  0.0768  0.0353  0.0350  0.0034  0.0028
0.0019    0.0077  0.0019  0.0021  0.0073  0.0017  0.0009  0.0064

AVERAGE SPEED      : 33 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban local-Cabarrus County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban local mix and speeds

VMT FRACTIONS      :
0.4928    0.0749  0.2491  0.0768  0.0353  0.0348  0.0034  0.0027
0.0021    0.0077  0.0019  0.0021  0.0073  0.0018  0.0009  0.0064

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Rural principle arterial-Union County
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS      :
0.4485    0.0682  0.2269  0.0699  0.0322  0.0456  0.0046  0.0036
0.0026    0.0100  0.0131  0.0144  0.0513  0.0022  0.0011  0.0058

AVERAGE SPEED      : 45 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

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***** SCENARIO SECTION *****
SCENARIO RECORD : Rural minor arterial-Union County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :
0.4722 0.0718 0.2387 0.0736 0.0338 0.0432 0.0044 0.0034
0.0025 0.0095 0.0063 0.0069 0.0244 0.0022 0.0010 0.0061

AVERAGE SPEED : 49 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                   53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural major collector-Union County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :
0.4778 0.0726 0.2416 0.0745 0.0342 0.0429 0.0043 0.0034
0.0025 0.0094 0.0046 0.0050 0.0179 0.0021 0.0010 0.0062

AVERAGE SPEED : 46 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                   53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural minor collector-Union County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural minor collector mix and speeds

VMT FRACTIONS :
0.4742 0.0720 0.2397 0.0739 0.0339 0.0452 0.0045 0.0036
0.0026 0.0099 0.0052 0.0056 0.0202 0.0023 0.0011 0.0061

AVERAGE SPEED : 46 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                   53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural local-Union County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural local mix and speeds

VMT FRACTIONS :
0.4741 0.0721 0.2397 0.0738 0.0340 0.0454 0.0044 0.0035
0.0025 0.0100 0.0052 0.0057 0.0202 0.0022 0.0011 0.0061

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                   53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Urban freeway-Union County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Urban freeway mix and speeds

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VMT FRACTIONS      :
0.4693    0.0713  0.2373  0.0731  0.0336  0.0353  0.0035  0.0028
0.0020    0.0078  0.0092  0.0101  0.0360  0.0018  0.0008  0.0061

AVERAGE SPEED      : 35 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban principle arterial-Union County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS      :
0.4951    0.0752  0.2502  0.0771  0.0355  0.0293  0.0029  0.0023
0.0017    0.0064  0.0026  0.0029  0.0104  0.0014  0.0007  0.0063

AVERAGE SPEED      : 34 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban minor arterial-Union County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS      :
0.4919    0.0748  0.2489  0.0767  0.0352  0.0338  0.0034  0.0027
0.0020    0.0075  0.0024  0.0026  0.0094  0.0016  0.0007  0.0064

AVERAGE SPEED      : 35 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban collector-Union County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban collector mix and speeds

VMT FRACTIONS      :
0.4927    0.0749  0.2492  0.0768  0.0353  0.0350  0.0034  0.0028
0.0019    0.0077  0.0019  0.0021  0.0073  0.0017  0.0009  0.0064

AVERAGE SPEED      : 38 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban local-Union County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban local mix and speeds

VMT FRACTIONS      :
0.4928    0.0749  0.2491  0.0768  0.0353  0.0348  0.0034  0.0027
0.0021    0.0077  0.0019  0.0021  0.0073  0.0018  0.0009  0.0064

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.

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53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural principle arterial-Lincoln County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :
0.4485 0.0682 0.2269 0.0699 0.0322 0.0456 0.0046 0.0036
0.0026 0.0100 0.0131 0.0144 0.0513 0.0022 0.0011 0.0058

AVERAGE SPEED : 65 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural minor arterial-Lincoln County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :
0.4722 0.0718 0.2387 0.0736 0.0338 0.0432 0.0044 0.0034
0.0025 0.0095 0.0063 0.0069 0.0244 0.0022 0.0010 0.0061

AVERAGE SPEED : 37 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural major collector-Lincoln County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :
0.4778 0.0726 0.2416 0.0745 0.0342 0.0429 0.0043 0.0034
0.0025 0.0094 0.0046 0.0050 0.0179 0.0021 0.0010 0.0062

AVERAGE SPEED : 52 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural minor collector-Lincoln County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

> Rural minor collector mix and speeds

VMT FRACTIONS :
0.4742 0.0720 0.2397 0.0739 0.0339 0.0452 0.0045 0.0036
0.0026 0.0099 0.0052 0.0056 0.0202 0.0023 0.0011 0.0061

AVERAGE SPEED : 48 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD : Rural local-Lincoln County
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7

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> Rural local mix and speeds

VMT FRACTIONS      :
0.4741    0.0721  0.2397  0.0738  0.0340  0.0454  0.0044  0.0035
0.0025    0.0100  0.0052  0.0057  0.0202  0.0022  0.0011  0.0061

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                    53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban principle arterial-Lincoln County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS      :
0.4951    0.0752  0.2502  0.0771  0.0355  0.0293  0.0029  0.0023
0.0017    0.0064  0.0026  0.0029  0.0104  0.0014  0.0007  0.0063

AVERAGE SPEED      : 44 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                    53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban minor arterial-Lincoln County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS      :
0.4919    0.0748  0.2489  0.0767  0.0352  0.0338  0.0034  0.0027
0.0020    0.0075  0.0024  0.0026  0.0094  0.0016  0.0007  0.0064

AVERAGE SPEED      : 22 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                    53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban collector-Lincoln County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban collector mix and speeds

VMT FRACTIONS      :
0.4927    0.0749  0.2492  0.0768  0.0353  0.0350  0.0034  0.0028
0.0019    0.0077  0.0019  0.0021  0.0073  0.0017  0.0009  0.0064

AVERAGE SPEED      : 24 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                    53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban local-Lincoln County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban local mix and speeds

VMT FRACTIONS      :
0.4928    0.0749  0.2491  0.0768  0.0353  0.0348  0.0034  0.0027
0.0021    0.0077  0.0019  0.0021  0.0073  0.0018  0.0009  0.0064

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

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RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural principle arterial-Rowan County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.4485 0.0682 0.2269 0.0699 0.0322 0.0456 0.0046 0.0036  
0.0026 0.0100 0.0131 0.0144 0.0513 0.0022 0.0011 0.0058

AVERAGE SPEED : 42 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor arterial-Rowan County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :  
0.4722 0.0718 0.2387 0.0736 0.0338 0.0432 0.0044 0.0034  
0.0025 0.0095 0.0063 0.0069 0.0244 0.0022 0.0010 0.0061

AVERAGE SPEED : 53 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector-Rowan County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :  
0.4778 0.0726 0.2416 0.0745 0.0342 0.0429 0.0043 0.0034  
0.0025 0.0094 0.0046 0.0050 0.0179 0.0021 0.0010 0.0062

AVERAGE SPEED : 53 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor collector-Rowan County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural minor collector mix and speeds

VMT FRACTIONS :  
0.4742 0.0720 0.2397 0.0739 0.0339 0.0452 0.0045 0.0036  
0.0026 0.0099 0.0052 0.0056 0.0202 0.0023 0.0011 0.0061

AVERAGE SPEED : 52 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural local-Rowan County  
CALENDAR YEAR : 2002

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EVALUATION MONTH      : 7

> Rural local mix and speeds

VMT FRACTIONS        :
0.4741    0.0721  0.2397  0.0738  0.0340  0.0454  0.0044  0.0035
0.0025    0.0100  0.0052  0.0057  0.0202  0.0022  0.0011  0.0061

AVERAGE SPEED        : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY     : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                       53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD       : Urban interstate-Rowan County
CALENDAR YEAR         : 2002
EVALUATION MONTH      : 7

> Urban interstate mix and speeds

VMT FRACTIONS        :
0.4314    0.0655  0.2181  0.0672  0.0309  0.0585  0.0058  0.0046
0.0034    0.0129  0.0153  0.0167  0.0598  0.0029  0.0014  0.0056

AVERAGE SPEED        : 58 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY     : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                       53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD       : Urban principle arterial-Rowan County
CALENDAR YEAR         : 2002
EVALUATION MONTH      : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS        :
0.4951    0.0752  0.2502  0.0771  0.0355  0.0293  0.0029  0.0023
0.0017    0.0064  0.0026  0.0029  0.0104  0.0014  0.0007  0.0063

AVERAGE SPEED        : 40 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY     : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                       53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD       : Urban minor arterial-Rowan County
CALENDAR YEAR         : 2002
EVALUATION MONTH      : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS        :
0.4919    0.0748  0.2489  0.0767  0.0352  0.0338  0.0034  0.0027
0.0020    0.0075  0.0024  0.0026  0.0094  0.0016  0.0007  0.0064

AVERAGE SPEED        : 40 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY     : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                       53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD       : Urban collector-Rowan County
CALENDAR YEAR         : 2002
EVALUATION MONTH      : 7

> Urban collector mix and speeds

VMT FRACTIONS        :
0.4927    0.0749  0.2492  0.0768  0.0353  0.0350  0.0034  0.0028
0.0019    0.0077  0.0019  0.0021  0.0073  0.0017  0.0009  0.0064

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AVERAGE SPEED : 35 Arterial 0.0 100.0 0.0 0.0  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban local-Rowan County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Urban local mix and speeds

VMT FRACTIONS :  
0.4928 0.0749 0.2491 0.0768 0.0353 0.0348 0.0034 0.0027  
0.0021 0.0077 0.0019 0.0021 0.0073 0.0018 0.0009 0.0064

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural interstate-Iredell (Pt.)  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural interstate mix and speeds

VMT FRACTIONS :  
0.3594 0.0546 0.1817 0.0560 0.0258 0.1026 0.0102 0.0081  
0.0059 0.0226 0.0269 0.0293 0.1048 0.0051 0.0024 0.0046

AVERAGE SPEED : 53 Non-Ramp 100.0 0.0 0.0 0.0

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural principle arterial-Iredell (Pt.)  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.4485 0.0682 0.2269 0.0699 0.0322 0.0456 0.0046 0.0036  
0.0026 0.0100 0.0131 0.0144 0.0513 0.0022 0.0011 0.0058

AVERAGE SPEED : 55 Non-Ramp 100.0 0.0 0.0 0.0  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural minor arterial-Iredell (Pt.)  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :  
0.4722 0.0718 0.2387 0.0736 0.0338 0.0432 0.0044 0.0034  
0.0025 0.0095 0.0063 0.0069 0.0244 0.0022 0.0010 0.0061

AVERAGE SPEED : 18 Arterial 0.0 100.0 0.0 0.0  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural major collector-Iredell (Pt.)  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

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> Rural major collector mix and speeds

VMT FRACTIONS      :
0.4778    0.0726  0.2416  0.0745  0.0342  0.0429  0.0043  0.0034
0.0025    0.0094  0.0046  0.0050  0.0179  0.0021  0.0010  0.0062

AVERAGE SPEED      : 32 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural minor collector-Iredell (Pt.)
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Rural minor collector mix and speeds

VMT FRACTIONS      :
0.4742    0.0720  0.2397  0.0739  0.0339  0.0452  0.0045  0.0036
0.0026    0.0099  0.0052  0.0056  0.0202  0.0023  0.0011  0.0061

AVERAGE SPEED      : 27 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural local-Iredell (Pt.)
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Rural local mix and speeds

VMT FRACTIONS      :
0.4741    0.0721  0.2397  0.0738  0.0340  0.0454  0.0044  0.0035
0.0025    0.0100  0.0052  0.0057  0.0202  0.0022  0.0011  0.0061

AVERAGE SPEED      : 27 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban interstate-Iredell (Pt.)
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban interstate mix and speeds

VMT FRACTIONS      :
0.4314    0.0655  0.2181  0.0672  0.0309  0.0585  0.0058  0.0046
0.0034    0.0129  0.0153  0.0167  0.0598  0.0029  0.0014  0.0056

AVERAGE SPEED      : 57 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban principle arterial-Iredell (Pt.)
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS      :
0.4951    0.0752  0.2502  0.0771  0.0355  0.0293  0.0029  0.0023
0.0017    0.0064  0.0026  0.0029  0.0104  0.0014  0.0007  0.0063

```

```

AVERAGE SPEED      : 23 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban minor arterial-Iredell (Pt.)
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS      :
0.4919    0.0748  0.2489  0.0767  0.0352  0.0338  0.0034  0.0027
0.0020    0.0075  0.0024  0.0026  0.0094  0.0016  0.0007  0.0064

AVERAGE SPEED      : 27 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban collector-Iredell (Pt.)
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban collector mix and speeds

VMT FRACTIONS      :
0.4927    0.0749  0.2492  0.0768  0.0353  0.0350  0.0034  0.0028
0.0019    0.0077  0.0019  0.0021  0.0073  0.0017  0.0009  0.0064

AVERAGE SPEED      : 26 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

***** SCENARIO SECTION *****
SCENARIO RECORD     : Urban local-Iredell (Pt.)
CALENDAR YEAR       : 2002
EVALUATION MONTH    : 7

> Urban local mix and speeds

VMT FRACTIONS      :
0.4928    0.0749  0.2491  0.0768  0.0353  0.0348  0.0034  0.0027
0.0021    0.0077  0.0019  0.0021  0.0073  0.0018  0.0009  0.0064

AVERAGE SPEED      : 19 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

END OF RUN          :

```

## GASVC2N.IN

MOBILE6 INPUT FILE :

> Gaston Co. Non I/M Analysis for 2002 using 2/18/05 daily speeds  
> with DAQ generated vehicle Mix

POLLUTANTS : HC  
SPREADSHEET : GASTON CO., VOC ONLY  
RUN DATA :

\*\*\*\*\* RUN SECTION \*\*\*\*\*  
FUEL RVP : 7.8

REG DIST : mekage04.prn

HOURLY TEMPERATURES: 71.0 73.8 77.0 80.3 82.5 85.4 87.3 88.5 89.1 88.5 89.6 89.2  
86.3 82.6 77.8 77.5 76.2 75.9 75.0 74.0 73.2 82.3 71.6 71.0

ANTI-TAMP PROG :  
91 68 50 22222 22222222 2 11 095. 22212222

NO CLEAN AIR ACT :

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural interstate-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural interstate mix and speeds

VMT FRACTIONS :  
0.3594 0.0546 0.1817 0.0560 0.0258 0.1026 0.0102 0.0081  
0.0059 0.0226 0.0269 0.0293 0.1048 0.0051 0.0024 0.0046

AVERAGE SPEED : 30 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural principle arterial-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.4485 0.0682 0.2269 0.0699 0.0322 0.0456 0.0046 0.0036  
0.0026 0.0100 0.0131 0.0144 0.0513 0.0022 0.0011 0.0058

AVERAGE SPEED : 72 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural minor arterial-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :



0.4722	0.0718	0.2387	0.0736	0.0338	0.0432	0.0044	0.0034
0.0025	0.0095	0.0063	0.0069	0.0244	0.0022	0.0010	0.0061

AVERAGE SPEED : 41 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :							
0.4778	0.0726	0.2416	0.0745	0.0342	0.0429	0.0043	0.0034
0.0025	0.0094	0.0046	0.0050	0.0179	0.0021	0.0010	0.0062

AVERAGE SPEED : 44 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor collector-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural minor collector mix and speeds

VMT FRACTIONS :							
0.4742	0.0720	0.2397	0.0739	0.0339	0.0452	0.0045	0.0036
0.0026	0.0099	0.0052	0.0056	0.0202	0.0023	0.0011	0.0061

AVERAGE SPEED : 44 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural local-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural local mix and speeds

VMT FRACTIONS :							
0.4741	0.0721	0.2397	0.0738	0.0340	0.0454	0.0044	0.0035
0.0025	0.0100	0.0052	0.0057	0.0202	0.0022	0.0011	0.0061

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban interstate-Gaston County  
CALENDAR YEAR : 2002

EVALUATION MONTH : 7

> Urban interstate mix and speeds

VMT FRACTIONS :

0.4314	0.0655	0.2181	0.0672	0.0309	0.0585	0.0058	0.0046
0.0034	0.0129	0.0153	0.0167	0.0598	0.0029	0.0014	0.0056

AVERAGE SPEED : 49 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban freeway-Gaston County

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

> Urban freeway mix and speeds

VMT FRACTIONS :

0.4693	0.0713	0.2373	0.0731	0.0336	0.0353	0.0035	0.0028
0.0020	0.0078	0.0092	0.0101	0.0360	0.0018	0.0008	0.0061

AVERAGE SPEED : 65 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban principle arterial-Gaston County

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS :

0.4951	0.0752	0.2502	0.0771	0.0355	0.0293	0.0029	0.0023
0.0017	0.0064	0.0026	0.0029	0.0104	0.0014	0.0007	0.0063

AVERAGE SPEED : 28 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban minor arterial-Gaston County

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS :

0.4919	0.0748	0.2489	0.0767	0.0352	0.0338	0.0034	0.0027
0.0020	0.0075	0.0024	0.0026	0.0094	0.0016	0.0007	0.0064

AVERAGE SPEED : 32 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban collector-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Urban collector mix and speeds

VMT FRACTIONS :  
0.4927 0.0749 0.2492 0.0768 0.0353 0.0350 0.0034 0.0028  
0.0019 0.0077 0.0019 0.0021 0.0073 0.0017 0.0009 0.0064

AVERAGE SPEED : 27 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban local-Gaston County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Urban local mix and speeds

VMT FRACTIONS :  
0.4928 0.0749 0.2491 0.0768 0.0353 0.0348 0.0034 0.0027  
0.0021 0.0077 0.0019 0.0021 0.0073 0.0018 0.0009 0.0064

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

END OF RUN :

## MEKVC2N.IN

MOBILE6 INPUT FILE :

> Meck Co. NON I/M Analysis for 2002 using 2/18/05 daily speeds  
> with DAQ generated vehicle Mix

POLLUTANTS : HC  
SPREADSHEET : Meck CO., VOC ONLY  
RUN DATA :

\*\*\*\*\* RUN SECTION \*\*\*\*\*  
FUEL RVP : 7.8  
REG DIST : mekage04.prn

ANTI-TAMP PROG :  
91 68 50 22222 22222222 2 11 095. 22212222

HOURLY TEMPERATURES: 71.0 73.8 77.0 80.3 82.5 85.4 87.3 88.5 89.1 88.5 89.6 89.2  
86.3 82.6 77.8 77.5 76.2 75.9 75.0 74.0 73.2 82.3 71.6 71.0

NO CLEAN AIR ACT :

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural principle arterial-Meck County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.4485 0.0682 0.2269 0.0699 0.0322 0.0456 0.0046 0.0036  
0.0026 0.0100 0.0131 0.0144 0.0513 0.0022 0.0011 0.0058

AVERAGE SPEED : 33 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural minor arterial-Meck County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :  
0.4722 0.0718 0.2387 0.0736 0.0338 0.0432 0.0044 0.0034  
0.0025 0.0095 0.0063 0.0069 0.0244 0.0022 0.0010 0.0061

AVERAGE SPEED : 28 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural major collector-Meck County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :  
0.4778 0.0726 0.2416 0.0745 0.0342 0.0429 0.0043 0.0034

0.0025    0.0094   0.0046   0.0050   0.0179   0.0021   0.0010   0.0062

AVERAGE SPEED        : 51 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY    : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
                              53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES      : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD      : Rural minor collector-Meck County

CALENDAR YEAR        : 2002

EVALUATION MONTH     : 7

> Rural minor collector mix and speeds

VMT FRACTIONS        :

0.4742    0.0720   0.2397   0.0739   0.0339   0.0452   0.0045   0.0036

0.0026    0.0099   0.0052   0.0056   0.0202   0.0023   0.0011   0.0061

AVERAGE SPEED        : 37 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY    : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
                              53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES      : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD      : Rural local-Meck County

CALENDAR YEAR        : 2002

EVALUATION MONTH     : 7

> Rural local mix and speeds

VMT FRACTIONS        :

0.4741    0.0721   0.2397   0.0738   0.0340   0.0454   0.0044   0.0035

0.0025    0.0100   0.0052   0.0057   0.0202   0.0022   0.0011   0.0061

AVERAGE SPEED        : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY    : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
                              53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES      : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD      : Urban interstate-Meck County

CALENDAR YEAR        : 2002

EVALUATION MONTH     : 7

> Urban interstate mix and speeds

VMT FRACTIONS        :

0.4314    0.0655   0.2181   0.0672   0.0309   0.0585   0.0058   0.0046

0.0034    0.0129   0.0153   0.0167   0.0598   0.0029   0.0014   0.0056

AVERAGE SPEED        : 43 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY    : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
                              53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES      : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD      : Urban freeway-Meck County

CALENDAR YEAR        : 2002

EVALUATION MONTH     : 7

> Urban freeway mix and speeds

VMT FRACTIONS :  
0.4693 0.0713 0.2373 0.0731 0.0336 0.0353 0.0035 0.0028  
0.0020 0.0078 0.0092 0.0101 0.0360 0.0018 0.0008 0.0061  
  
AVERAGE SPEED : 43 Non-Ramp 100.0 0.0 0.0 0.0  
  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.  
  
BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban principle arterial-Meck County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS :  
0.4951 0.0752 0.2502 0.0771 0.0355 0.0293 0.0029 0.0023  
0.0017 0.0064 0.0026 0.0029 0.0104 0.0014 0.0007 0.0063  
  
AVERAGE SPEED : 26 Arterial 0.0 100.0 0.0 0.0  
  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.  
  
BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban minor arterial-Meck County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS :  
0.4919 0.0748 0.2489 0.0767 0.0352 0.0338 0.0034 0.0027  
0.0020 0.0075 0.0024 0.0026 0.0094 0.0016 0.0007 0.0064  
  
AVERAGE SPEED : 26 Arterial 0.0 100.0 0.0 0.0  
  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.  
  
BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban collector-Meck County  
CALENDAR YEAR : 2002  
EVALUATION MONTH : 7

> Urban collector mix and speeds

VMT FRACTIONS :  
0.4927 0.0749 0.2492 0.0768 0.0353 0.0350 0.0034 0.0028  
0.0019 0.0077 0.0019 0.0021 0.0073 0.0017 0.0009 0.0064  
  
AVERAGE SPEED : 25 Arterial 0.0 100.0 0.0 0.0  
  
RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.  
  
BAROMETRIC PRES : 30

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***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban local-Meck County
CALENDAR YEAR        : 2002
EVALUATION MONTH     : 7

> Urban local mix and speeds

VMT FRACTIONS      :
0.4928      0.0749  0.2491  0.0768  0.0353  0.0348  0.0034  0.0027
0.0021      0.0077  0.0019  0.0021  0.0073  0.0018  0.0009  0.0064

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY    : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                      53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES      : 30

END OF RUN           :

```

## MG08N.IN

MOBILE6 INPUT FILE :

> Meck/Gaston Non I/M for 2008 using TDM Average Daily speeds  
> with DAQ generated vehicle Mix

POLLUTANTS : HC  
SPREADSHEET : Meck/Gaston NOX VOC  
RUN DATA :

\*\*\*\*\* RUN SECTION \*\*\*\*\*

FUEL RVP : 7.8  
REG DIST : mekage04.prn

HOURLY TEMPERATURES: 71.0 73.8 77.0 80.3 82.5 85.4 87.3 88.5 89.1 88.5 89.6 89.2  
86.3 82.6 77.8 77.5 76.2 75.9 75.0 74.0 73.2 82.3 71.6 71.0

ANTI-TAMP PROG :  
91 74 50 22222 22222222 2 11 095. 22212222

NO CLEAN AIR ACT :

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural principle arterial-Meck County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.3688 0.0820 0.2729 0.0841 0.0386 0.0454 0.0045 0.0036  
0.0028 0.0101 0.0131 0.0143 0.0511 0.0023 0.0011 0.0053

AVERAGE SPEED : 22 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor arterial-Meck County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :  
0.3881 0.0863 0.2871 0.0885 0.0407 0.0431 0.0042 0.0034  
0.0026 0.0096 0.0063 0.0069 0.0244 0.0022 0.0010 0.0056

AVERAGE SPEED : 18 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector-Meck County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :  
0.3928 0.0873 0.2906 0.0895 0.0411 0.0426 0.0042 0.0034  
0.0027 0.0095 0.0046 0.0050 0.0178 0.0022 0.0010 0.0057



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AVERAGE SPEED      : 32 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural minor collector-Meck County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural minor collector mix and speeds

VMT FRACTIONS       :
0.3897  0.0866  0.2882  0.0888  0.0409  0.0451  0.0043  0.0036
0.0028  0.0101  0.0052  0.0056  0.0201  0.0023  0.0011  0.0056

AVERAGE SPEED      : 26 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural local-Meck County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural local mix and speeds

VMT FRACTIONS       :
0.3888  0.0866  0.2882  0.0888  0.0409  0.0453  0.0044  0.0037
0.0029  0.0102  0.0052  0.0057  0.0202  0.0024  0.0011  0.0056

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban interstate-Meck County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban interstate mix and speeds

VMT FRACTIONS       :
0.3544  0.0788  0.2623  0.0808  0.0372  0.0583  0.0057  0.0047
0.0036  0.0131  0.0153  0.0167  0.0596  0.0030  0.0014  0.0051

AVERAGE SPEED      : 41 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban freeway-Meck County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban freeway mix and speeds

VMT FRACTIONS       :
0.3859  0.0857  0.2854  0.0879  0.0404  0.0351  0.0034  0.0028

```

0.0022 0.0079 0.0092 0.0100 0.0359 0.0018 0.0008 0.0056

AVERAGE SPEED : 49 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban principle arterial-Meck County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS :

0.4067 0.0903 0.3009 0.0927 0.0427 0.0292 0.0029 0.0023  
0.0018 0.0066 0.0026 0.0029 0.0103 0.0016 0.0007 0.0058

AVERAGE SPEED : 25 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban minor arterial-Meck County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS :

0.4043 0.0899 0.2993 0.0922 0.0424 0.0336 0.0032 0.0027  
0.0021 0.0075 0.0024 0.0026 0.0094 0.0018 0.0007 0.0059

AVERAGE SPEED : 26 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban collector-Meck County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban collector mix and speeds

VMT FRACTIONS :

0.4049 0.0900 0.2996 0.0923 0.0425 0.0348 0.0034 0.0028  
0.0021 0.0079 0.0019 0.0021 0.0073 0.0017 0.0009 0.0058

AVERAGE SPEED : 24 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban local-Meck County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban local mix and speeds

VMT FRACTIONS :

0.4052	0.0900	0.2996	0.0924	0.0425	0.0347	0.0034	0.0028
0.0021	0.0077	0.0019	0.0021	0.0073	0.0018	0.0007	0.0058

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural Interstate - Gaston County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Rural interstate mix and speeds

VMT FRACTIONS :

0.2952	0.0656	0.2186	0.0674	0.0310	0.1022	0.0100	0.0082
0.0063	0.0229	0.0269	0.0292	0.1045	0.0053	0.0024	0.0043

AVERAGE SPEED : 42 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural principle arterial- Gaston County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :

0.3688	0.0820	0.2729	0.0841	0.0386	0.0454	0.0045	0.0036
0.0028	0.0101	0.0131	0.0143	0.0511	0.0023	0.0011	0.0053

AVERAGE SPEED : 66 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor arterial- Gaston County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :

0.3881	0.0863	0.2871	0.0885	0.0407	0.0431	0.0042	0.0034
0.0026	0.0096	0.0063	0.0069	0.0244	0.0022	0.0010	0.0056

AVERAGE SPEED : 36 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector- Gaston County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :  
0.3928 0.0873 0.2906 0.0895 0.0411 0.0426 0.0042 0.0034  
0.0027 0.0095 0.0046 0.0050 0.0178 0.0022 0.0010 0.0057

AVERAGE SPEED : 43 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor collector- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural minor collector mix and speeds

VMT FRACTIONS :  
0.3897 0.0866 0.2882 0.0888 0.0409 0.0451 0.0043 0.0036  
0.0028 0.0101 0.0052 0.0056 0.0201 0.0023 0.0011 0.0056

AVERAGE SPEED : 41 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural local- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural local mix and speeds

VMT FRACTIONS :  
0.3888 0.0866 0.2882 0.0888 0.0409 0.0453 0.0044 0.0037  
0.0029 0.0102 0.0052 0.0057 0.0202 0.0024 0.0011 0.0056

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban interstate- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban interstate mix and speeds

VMT FRACTIONS :  
0.3544 0.0788 0.2623 0.0808 0.0372 0.0583 0.0057 0.0047  
0.0036 0.0131 0.0153 0.0167 0.0596 0.0030 0.0014 0.0051

AVERAGE SPEED : 44 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban freeway- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban freeway mix and speeds

VMT FRACTIONS :  
0.3859 0.0857 0.2854 0.0879 0.0404 0.0351 0.0034 0.0028  
0.0022 0.0079 0.0092 0.0100 0.0359 0.0018 0.0008 0.0056

AVERAGE SPEED : 66 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban principle arterial- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS :  
0.4067 0.0903 0.3009 0.0927 0.0427 0.0292 0.0029 0.0023  
0.0018 0.0066 0.0026 0.0029 0.0103 0.0016 0.0007 0.0058

AVERAGE SPEED : 26 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban minor arterial- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS :  
0.4043 0.0899 0.2993 0.0922 0.0424 0.0336 0.0032 0.0027  
0.0021 0.0075 0.0024 0.0026 0.0094 0.0018 0.0007 0.0059

AVERAGE SPEED : 29 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban collector- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban collector mix and speeds

VMT FRACTIONS :  
0.4049 0.0900 0.2996 0.0923 0.0425 0.0348 0.0034 0.0028  
0.0021 0.0079 0.0019 0.0021 0.0073 0.0017 0.0009 0.0058

AVERAGE SPEED : 26 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban local- Gaston County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban local mix and speeds

VMT FRACTIONS :  
0.4052 0.0900 0.2996 0.0924 0.0425 0.0347 0.0034 0.0028  
0.0021 0.0077 0.0019 0.0021 0.0073 0.0018 0.0007 0.0058

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

END OF RUN :

## RIL08N.IN

MOBILE6 INPUT FILE :

> Rowan/Iredell/Lincoln NonI/M for 2008 using TDM Average Daily speeds  
> with DAQ generated vehicle Mix

POLLUTANTS : HC  
SPREADSHEET : Rowan/Iredell/Lincoln NOX VOC  
RUN DATA :

\*\*\*\*\* RUN SECTION \*\*\*\*\*

FUEL RVP : 9.0  
REG DIST : ncage04.prn

HOURLY TEMPERATURES: 71.0 73.8 77.0 80.3 82.5 85.4 87.3 88.5 89.1 88.5 89.6 89.2  
86.3 82.6 77.8 77.5 76.2 75.9 75.0 74.0 73.2 82.3 71.6 71.0

ANTI-TAMP PROG :  
91 74 50 22222 22222222 2 11 095. 22212222

NO CLEAN AIR ACT :

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural principle arterial- Rowan County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.3688 0.0820 0.2729 0.0841 0.0386 0.0454 0.0045 0.0036  
0.0028 0.0101 0.0131 0.0143 0.0511 0.0023 0.0011 0.0053

AVERAGE SPEED : 45 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor arterial- Rowan County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :  
0.3881 0.0863 0.2871 0.0885 0.0407 0.0431 0.0042 0.0034  
0.0026 0.0096 0.0063 0.0069 0.0244 0.0022 0.0010 0.0056

AVERAGE SPEED : 49 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector- Rowan County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :  
0.3928 0.0873 0.2906 0.0895 0.0411 0.0426 0.0042 0.0034  
0.0027 0.0095 0.0046 0.0050 0.0178 0.0022 0.0010 0.0057

```

AVERAGE SPEED      : 50 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural minor collector- Rowan County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural minor collector mix and speeds

VMT FRACTIONS       :
0.3897  0.0866  0.2882  0.0888  0.0409  0.0451  0.0043  0.0036
0.0028  0.0101  0.0052  0.0056  0.0201  0.0023  0.0011  0.0056

AVERAGE SPEED      : 50 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural local- Rowan County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural local mix and speeds

VMT FRACTIONS       :
0.3888  0.0866  0.2882  0.0888  0.0409  0.0453  0.0044  0.0037
0.0029  0.0102  0.0052  0.0057  0.0202  0.0024  0.0011  0.0056

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban interstate- Rowan County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban interstate mix and speeds

VMT FRACTIONS       :
0.3544  0.0788  0.2623  0.0808  0.0372  0.0583  0.0057  0.0047
0.0036  0.0131  0.0153  0.0167  0.0596  0.0030  0.0014  0.0051

AVERAGE SPEED      : 57 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban principle arterial- Rowan County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS       :
0.4067  0.0903  0.3009  0.0927  0.0427  0.0292  0.0029  0.0023

```



0.0018 0.0066 0.0026 0.0029 0.0103 0.0016 0.0007 0.0058

AVERAGE SPEED : 38 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban minor arterial- Rowan County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS :

0.4043 0.0899 0.2993 0.0922 0.0424 0.0336 0.0032 0.0027  
0.0021 0.0075 0.0024 0.0026 0.0094 0.0018 0.0007 0.0059

AVERAGE SPEED : 39 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban collector- Rowan County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban collector mix and speeds

VMT FRACTIONS :

0.4049 0.0900 0.2996 0.0923 0.0425 0.0348 0.0034 0.0028  
0.0021 0.0079 0.0019 0.0021 0.0073 0.0017 0.0009 0.0058

AVERAGE SPEED : 36 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban local- Rowan County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban local mix and speeds

VMT FRACTIONS :

0.4052 0.0900 0.2996 0.0924 0.0425 0.0347 0.0034 0.0028  
0.0021 0.0077 0.0019 0.0021 0.0073 0.0018 0.0007 0.0058

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural Interstate - Iredell County(Pt)

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Rural interstate mix and speeds

VMT FRACTIONS :

0.2952	0.0656	0.2186	0.0674	0.0310	0.1022	0.0100	0.0082
0.0063	0.0229	0.0269	0.0292	0.1045	0.0053	0.0024	0.0043

AVERAGE SPEED : 38 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural principle arterial- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :							
0.3688	0.0820	0.2729	0.0841	0.0386	0.0454	0.0045	0.0036
0.0028	0.0101	0.0131	0.0143	0.0511	0.0023	0.0011	0.0053

AVERAGE SPEED : 54 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor arterial- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :							
0.3881	0.0863	0.2871	0.0885	0.0407	0.0431	0.0042	0.0034
0.0026	0.0096	0.0063	0.0069	0.0244	0.0022	0.0010	0.0056

AVERAGE SPEED : 11 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :							
0.3928	0.0873	0.2906	0.0895	0.0411	0.0426	0.0042	0.0034
0.0027	0.0095	0.0046	0.0050	0.0178	0.0022	0.0010	0.0057

AVERAGE SPEED : 24 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor collector- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural minor collector mix and speeds

VTM FRACTIONS :  
0.3897 0.0866 0.2882 0.0888 0.0409 0.0451 0.0043 0.0036  
0.0028 0.0101 0.0052 0.0056 0.0201 0.0023 0.0011 0.0056

AVERAGE SPEED : 24 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural local- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural local mix and speeds

VTM FRACTIONS :  
0.3888 0.0866 0.2882 0.0888 0.0409 0.0453 0.0044 0.0037  
0.0029 0.0102 0.0052 0.0057 0.0202 0.0024 0.0011 0.0056

AVERAGE SPEED : 20 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban interstate- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban interstate mix and speeds

VTM FRACTIONS :  
0.3544 0.0788 0.2623 0.0808 0.0372 0.0583 0.0057 0.0047  
0.0036 0.0131 0.0153 0.0167 0.0596 0.0030 0.0014 0.0051

AVERAGE SPEED : 55 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban principle arterial- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban principle arterial mix and speeds

VTM FRACTIONS :  
0.4067 0.0903 0.3009 0.0927 0.0427 0.0292 0.0029 0.0023  
0.0018 0.0066 0.0026 0.0029 0.0103 0.0016 0.0007 0.0058

AVERAGE SPEED : 18 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban minor arterial- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS :  
0.4043 0.0899 0.2993 0.0922 0.0424 0.0336 0.0032 0.0027  
0.0021 0.0075 0.0024 0.0026 0.0094 0.0018 0.0007 0.0059

AVERAGE SPEED : 22 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban collector- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban collector mix and speeds

VMT FRACTIONS :  
0.4049 0.0900 0.2996 0.0923 0.0425 0.0348 0.0034 0.0028  
0.0021 0.0079 0.0019 0.0021 0.0073 0.0017 0.0009 0.0058

AVERAGE SPEED : 23 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Urban local- Iredell County(Pt)  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban local mix and speeds

VMT FRACTIONS :  
0.4052 0.0900 0.2996 0.0924 0.0425 0.0347 0.0034 0.0028  
0.0021 0.0077 0.0019 0.0021 0.0073 0.0018 0.0007 0.0058

AVERAGE SPEED : 18 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural principle arterial- Lincoln County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.3688 0.0820 0.2729 0.0841 0.0386 0.0454 0.0045 0.0036  
0.0028 0.0101 0.0131 0.0143 0.0511 0.0023 0.0011 0.0053

AVERAGE SPEED : 59 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*  
SCENARIO RECORD : Rural minor arterial- Lincoln County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

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> Rural minor arterial mix and speeds

VMT FRACTIONS      :
0.3881   0.0863   0.2871   0.0885   0.0407   0.0431   0.0042   0.0034
0.0026   0.0096   0.0063   0.0069   0.0244   0.0022   0.0010   0.0056

AVERAGE SPEED      : 37 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural major collector- Lincoln County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural major collector mix and speeds

VMT FRACTIONS      :
0.3928   0.0873   0.2906   0.0895   0.0411   0.0426   0.0042   0.0034
0.0027   0.0095   0.0046   0.0050   0.0178   0.0022   0.0010   0.0057

AVERAGE SPEED      : 51 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural minor collector- Lincoln County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural minor collector mix and speeds

VMT FRACTIONS      :
0.3897   0.0866   0.2882   0.0888   0.0409   0.0451   0.0043   0.0036
0.0028   0.0101   0.0052   0.0056   0.0201   0.0023   0.0011   0.0056

AVERAGE SPEED      : 45 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural local- Lincoln County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural local mix and speeds

VMT FRACTIONS      :
0.3888   0.0866   0.2882   0.0888   0.0409   0.0453   0.0044   0.0037
0.0029   0.0102   0.0052   0.0057   0.0202   0.0024   0.0011   0.0056

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban principle arterial- Lincoln County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

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> Urban principle arterial mix and speeds

VMT FRACTIONS      :
0.4067  0.0903  0.3009  0.0927  0.0427  0.0292  0.0029  0.0023
0.0018  0.0066  0.0026  0.0029  0.0103  0.0016  0.0007  0.0058

AVERAGE SPEED      : 41 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban minor arterial- Lincoln County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS      :
0.4043  0.0899  0.2993  0.0922  0.0424  0.0336  0.0032  0.0027
0.0021  0.0075  0.0024  0.0026  0.0094  0.0018  0.0007  0.0059

AVERAGE SPEED      : 23 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban collector- Lincoln County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban collector mix and speeds

VMT FRACTIONS      :
0.4049  0.0900  0.2996  0.0923  0.0425  0.0348  0.0034  0.0028
0.0021  0.0079  0.0019  0.0021  0.0073  0.0017  0.0009  0.0058

AVERAGE SPEED      : 22 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban local- Lincoln County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban local mix and speeds

VMT FRACTIONS      :
0.4052  0.0900  0.2996  0.0924  0.0425  0.0347  0.0034  0.0028
0.0021  0.0077  0.0019  0.0021  0.0073  0.0018  0.0007  0.0058

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

END OF RUN          :

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## UC08N.IN

MOBILE6 INPUT FILE :

> Cabarrus/Union Non I/M for 2008 using TDM Average Daily speeds  
> with DAQ generated vehicle Mix

POLLUTANTS : HC  
SPREADSHEET : Cabarrus/Union NOX VOC  
RUN DATA :

\*\*\*\*\* RUN SECTION \*\*\*\*\*

FUEL RVP : 9.0  
REG DIST : ncage04.prn

HOURLY TEMPERATURES: 71.0 73.8 77.0 80.3 82.5 85.4 87.3 88.5 89.1 88.5 89.6 89.2  
86.3 82.6 77.8 77.5 76.2 75.9 75.0 74.0 73.2 82.3 71.6 71.0

ANTI-TAMP PROG :  
91 74 50 22222 22222222 2 11 095. 22212222

NO CLEAN AIR ACT :

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural principle arterial- Cabarrus County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
0.3688 0.0820 0.2729 0.0841 0.0386 0.0454 0.0045 0.0036  
0.0028 0.0101 0.0131 0.0143 0.0511 0.0023 0.0011 0.0053

AVERAGE SPEED : 46 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor arterial- Cabarrus County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :  
0.3881 0.0863 0.2871 0.0885 0.0407 0.0431 0.0042 0.0034  
0.0026 0.0096 0.0063 0.0069 0.0244 0.0022 0.0010 0.0056

AVERAGE SPEED : 41 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector- Cabarrus County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :  
0.3928 0.0873 0.2906 0.0895 0.0411 0.0426 0.0042 0.0034  
0.0027 0.0095 0.0046 0.0050 0.0178 0.0022 0.0010 0.0057

```

AVERAGE SPEED      : 38 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural minor collector- Cabarrus County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural minor collector mix and speeds

VMT FRACTIONS       :
0.3897  0.0866  0.2882  0.0888  0.0409  0.0451  0.0043  0.0036
0.0028  0.0101  0.0052  0.0056  0.0201  0.0023  0.0011  0.0056

AVERAGE SPEED      : 34 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Rural local- Cabarrus County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Rural local mix and speeds

VMT FRACTIONS       :
0.3888  0.0866  0.2882  0.0888  0.0409  0.0453  0.0044  0.0037
0.0029  0.0102  0.0052  0.0057  0.0202  0.0024  0.0011  0.0056

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban interstate- Cabarrus County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban interstate mix and speeds

VMT FRACTIONS       :
0.3544  0.0788  0.2623  0.0808  0.0372  0.0583  0.0057  0.0047
0.0036  0.0131  0.0153  0.0167  0.0596  0.0030  0.0014  0.0051

AVERAGE SPEED      : 35 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban principle arterial- Cabarrus County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban principle arterial mix and speeds

VMT FRACTIONS       :

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0.4067	0.0903	0.3009	0.0927	0.0427	0.0292	0.0029	0.0023
0.0018	0.0066	0.0026	0.0029	0.0103	0.0016	0.0007	0.0058

AVERAGE SPEED : 28 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban minor arterial- Cabarrus County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMT FRACTIONS :							
0.4043	0.0899	0.2993	0.0922	0.0424	0.0336	0.0032	0.0027
0.0021	0.0075	0.0024	0.0026	0.0094	0.0018	0.0007	0.0059

AVERAGE SPEED : 29 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban collector- Cabarrus County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban collector mix and speeds

VMT FRACTIONS :							
0.4049	0.0900	0.2996	0.0923	0.0425	0.0348	0.0034	0.0028
0.0021	0.0079	0.0019	0.0021	0.0073	0.0017	0.0009	0.0058

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban local- Cabarrus County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Urban local mix and speeds

VMT FRACTIONS :							
0.4052	0.0900	0.2996	0.0924	0.0425	0.0347	0.0034	0.0028
0.0021	0.0077	0.0019	0.0021	0.0073	0.0018	0.0007	0.0058

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural principle arterial- Union County  
CALENDAR YEAR : 2008  
EVALUATION MONTH : 7

> Rural other principle arterial mix and speeds

VMT FRACTIONS :  
 0.3688 0.0820 0.2729 0.0841 0.0386 0.0454 0.0045 0.0036  
 0.0028 0.0101 0.0131 0.0143 0.0511 0.0023 0.0011 0.0053

AVERAGE SPEED : 46 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
 53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor arterial- Union County  
 CALENDAR YEAR : 2008  
 EVALUATION MONTH : 7

> Rural minor arterial mix and speeds

VMT FRACTIONS :  
 0.3881 0.0863 0.2871 0.0885 0.0407 0.0431 0.0042 0.0034  
 0.0026 0.0096 0.0063 0.0069 0.0244 0.0022 0.0010 0.0056

AVERAGE SPEED : 43 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
 53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural major collector- Union County  
 CALENDAR YEAR : 2008  
 EVALUATION MONTH : 7

> Rural major collector mix and speeds

VMT FRACTIONS :  
 0.3928 0.0873 0.2906 0.0895 0.0411 0.0426 0.0042 0.0034  
 0.0027 0.0095 0.0046 0.0050 0.0178 0.0022 0.0010 0.0057

AVERAGE SPEED : 45 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
 53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural minor collector- Union County  
 CALENDAR YEAR : 2008  
 EVALUATION MONTH : 7

> Rural minor collector mix and speeds

VMT FRACTIONS :  
 0.3897 0.0866 0.2882 0.0888 0.0409 0.0451 0.0043 0.0036  
 0.0028 0.0101 0.0052 0.0056 0.0201 0.0023 0.0011 0.0056

AVERAGE SPEED : 44 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
 53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Rural local- Union County  
 CALENDAR YEAR : 2008  
 EVALUATION MONTH : 7

> Rural local mix and speeds

VMF FRACTIONS :  
0.3888 0.0866 0.2882 0.0888 0.0409 0.0453 0.0044 0.0037  
0.0029 0.0102 0.0052 0.0057 0.0202 0.0024 0.0011 0.0056

AVERAGE SPEED : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban freeway- Union County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban freeway mix and speeds

VMF FRACTIONS :  
0.3859 0.0857 0.2854 0.0879 0.0404 0.0351 0.0034 0.0028  
0.0022 0.0079 0.0092 0.0100 0.0359 0.0018 0.0008 0.0056

AVERAGE SPEED : 36 Non-Ramp 100.0 0.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban principle arterial- Union County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban principle arterial mix and speeds

VMF FRACTIONS :  
0.4067 0.0903 0.3009 0.0927 0.0427 0.0292 0.0029 0.0023  
0.0018 0.0066 0.0026 0.0029 0.0103 0.0016 0.0007 0.0058

AVERAGE SPEED : 33 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban minor arterial- Union County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

> Urban minor arterial mix and speeds

VMF FRACTIONS :  
0.4043 0.0899 0.2993 0.0922 0.0424 0.0336 0.0032 0.0027  
0.0021 0.0075 0.0024 0.0026 0.0094 0.0018 0.0007 0.0059

AVERAGE SPEED : 32 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.  
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES : 30

\*\*\*\*\* SCENARIO SECTION \*\*\*\*\*

SCENARIO RECORD : Urban collector- Union County

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

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> Urban collector mix and speeds

VMT FRACTIONS      :
0.4049   0.0900   0.2996   0.0923   0.0425   0.0348   0.0034   0.0028
0.0021   0.0079   0.0019   0.0021   0.0073   0.0017   0.0009   0.0058

AVERAGE SPEED      : 36 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

***** SCENARIO SECTION *****
SCENARIO RECORD      : Urban local- Union County
CALENDAR YEAR        : 2008
EVALUATION MONTH     : 7

> Urban local mix and speeds

VMT FRACTIONS      :
0.4052   0.0900   0.2996   0.0924   0.0425   0.0347   0.0034   0.0028
0.0021   0.0077   0.0019   0.0021   0.0073   0.0018   0.0007   0.0058

AVERAGE SPEED      : 30 Arterial 0.0 100.0 0.0 0.0

RELATIVE HUMIDITY   : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
                     53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

BAROMETRIC PRES     : 30

END OF RUN          :

```

```
*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: DONUT02N.IN (file 1, run 1). *
*****
```

M 49 Warning:	1.00	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.998	MYR sum not = 1. (will normalize)
M 49 Warning:	0.999	MYR sum not = 1. (will normalize)
M 49 Warning:	1.00	MYR sum not = 1. (will normalize)

```
* #####
* Rural principle arterial-Cabarrus County
* File 1, Run 1, Scenario 1.
* #####
* Rural other principle arterial mix and speeds
```

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi

Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.4477	0.2946	0.1007		0.0430	0.0008	0.0019	0.1055	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.867	2.649	2.771	2.680	2.556	0.727	1.171	0.626	3.26	2.093
-----										

\* #

\* Rural minor arterial-Cabarrus County

\* File 1, Run 1, Scenario 2.

\* #

\* Rural minor arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 46.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2002  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.4714	0.3100	0.1059		0.0401	0.0008	0.0020	0.0637	0.0061	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.831	2.612	2.732	2.643	2.442	0.710	1.148	0.553	3.23	2.118
-----										

\* #

\* Rural major collector-Cabarrus County

\* File 1, Run 1, Scenario 3.

\* #

\* Rural major collector mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 42.0  
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.







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:	0.4306	0.2831	0.0967		0.0551	0.0008	0.0018	0.1262	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.854	2.637	2.758	2.668	2.521	0.721	1.163	0.610	3.24	2.049

\* #

\* Urban principle arterial-Cabarrus County

\* File 1, Run 1, Scenario 7.

\* #

```
* Urban principle arterial mix and speeds
```

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 30.0 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.

M 48 Warning:

```
there are no sales for vehicle class HDGV8b
```

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. 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:	0.4942	0.3248	0.1110		0.0270	0.0009	0.0021	0.0336	0.0063	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.094	2.891	3.028	2.926	3.119	0.855	1.350	0.734	3.58	2.445

\* #

\* Urban minor arterial-Cabarrus County

\* File 1, Run 1, Scenario 8.

\* #

\* Urban minor arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 31.0 will be used for all hours of the day. 100% of VMT





Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.4477	0.2946	0.1007		0.0430	0.0008	0.0019	0.1055	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.843	2.625	2.746	2.656	2.497	0.715	1.154	0.606	3.23	2.068
-----										

\* #

\* Rural minor arterial-Union County

\* File 1, Run 1, Scenario 12.

\* #

\* Rural minor arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 49.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2002  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.4714	0.3100	0.1059		0.0401	0.0008	0.0020	0.0637	0.0061	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.797	2.574	2.693	2.605	2.373	0.696	1.128	0.532	3.21	2.082
-----										

\* #

\* Rural major collector-Union County

\* File 1, Run 1, Scenario 13.

\* #

\* Rural major collector mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:





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:	0.4685	0.3081	0.1052		0.0332	0.0008	0.0020	0.0761	0.0061	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.980	2.761	2.888	2.794	2.872	0.794	1.264	0.731	3.41	2.257

```
* #####
* Urban principle arterial-Union County
* File 1, Run 1, Scenario 17.
* #####
* Urban principle arterial mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 34.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

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:	0.4942	0.3248	0.1110		0.0270	0.0009	0.0021	0.0336	0.0063	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.000	2.784	2.913	2.817	2.871	0.805	1.279	0.659	3.44	2.341

```
* #####
* Urban minor arterial-Union County
* File 1, Run 1, Scenario 18.
* #####
* Urban minor arterial mix and speeds
* M615 Comment:
```







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)							
VTM Distribution:	0.4477	0.2946	0.1007		0.0430	0.0008	0.0019	0.1055	0.0058	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.686	2.411	2.520	2.439	2.248	0.671	1.093	0.531	3.99	1.897

```
* #####
* Rural minor arterial-Lincoln County
* File 1, Run 1, Scenario 22.
* #####
* Rural minor arterial mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 37.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

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)							
VTM Distribution:	0.4714	0.3100	0.1059		0.0401	0.0008	0.0020	0.0637	0.0061	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.948	2.730	2.855	2.762	2.748	0.774	1.236	0.653	3.36	2.242

```
* #####
* Rural major collector-Lincoln County
* File 1, Run 1, Scenario 23.
* #####
```





Calendar Year: 2002  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 71.0 (F)  
 Maximum Temperature: 89.6 (F)  
 Minimum Rel. Hum.: 47.0 (%)  
 Maximum Rel. Hum.: 91.0 (%)  
 Nominal Fuel RVP: 9.0 psi  
 Weathered RVP: 8.6 psi  
 Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.4942	0.3248	0.1110		0.0270	0.0009	0.0021	0.0336	0.0063	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.854	2.637	2.758	2.668	2.476	0.721	1.163	0.536	3.24	2.188
-----										

\* #  
 \* Urban minor arterial-Lincoln County  
 \* File 1, Run 1, Scenario 27.  
 \* #  
 \* Urban minor arterial mix and speeds  
 M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 22.0  
 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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
 effects have been disabled by the user.

Calendar Year: 2002  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 71.0 (F)  
 Maximum Temperature: 89.6 (F)  
 Minimum Rel. Hum.: 47.0 (%)  
 Maximum Rel. Hum.: 91.0 (%)  
 Nominal Fuel RVP: 9.0 psi  
 Weathered RVP: 8.6 psi  
 Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.4910	0.3231	0.1104		0.0311	0.0009	0.0021	0.0350	0.0064	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	2.345	3.173	3.324	3.211	3.899	0.999	1.551	0.912	3.94	2.726
-----										

\* #  
 \* Urban collector-Lincoln County



Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4919	0.3234	0.1106		0.0320	0.0009	0.0021	0.0327	0.0064	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.094	2.891	3.028	2.926	3.116	0.855	1.350	0.685	3.58	2.449

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. ppm

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
-----										
VMT Distribution:	0.4477	0.2946	0.1007		0.0430	0.0008	0.0019	0.1055	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.879	2.662	2.784	2.693	2.588	0.734	1.181	0.637	3.27	2.106

Reasonable Further Progress  
The Charlotte-Gastonia-Rock Hill, NC-SC 8-Hour Ozone  
North Carolina Attainment Demonstration





Reasonable Further Progress  
The Charlotte-Gastonia-Rock Hill, NC-SC 8-Hour Ozone  
North Carolina Attainment Demonstration

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
-----										
VMT Distribution:	0.4733	0.3113	0.1063		0.0418	0.0008	0.0020	0.0584	0.0061	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	2.094	2.891	3.028	2.926	3.126	0.855	1.350	0.758	3.58	2.413

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. ppm

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4306	0.2831	0.0967		0.0551	0.0008	0.0018	0.1262	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.725	2.473	2.587	2.502	2.271	0.673	1.096	0.530	3.45	1.907

Reasonable Further Progress  
The Charlotte-Gastonia-Rock Hill, NC-SC 8-Hour Ozone  
North Carolina Attainment Demonstration









Composite VOC: 2.605 3.470 3.632 3.511 4.627 1.101 1.692 1.164 4.22 2.978

\* #

\* Rural major collector-Iredell (Pt.)

\* File 1, Run 1, Scenario 43.

\* #

\* Rural major collector mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 32.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2002

Month: July

Altitude: Low

Minimum Temperature: 71.0 (F)

Maximum Temperature: 89.6 (F)

Minimum Rel. Hum.: 47.0 (%)

Maximum Rel. Hum.: 91.0 (%)

Nominal Fuel RVP: 9.0 psi

Weathered RVP: 8.6 psi

Fuel Sulfur Content: 300. 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:	0.4769	0.3137	0.1072		0.0396	0.0009	0.0020	0.0535	0.0062	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite VOC:	2.044	2.834	2.967	2.868	2.996	0.828	1.312	0.709	3.51	2.364
----------------	-------	-------	-------	-------	-------	-------	-------	-------	------	-------

\* #

\* Rural minor collector-Iredell (Pt.)

\* File 1, Run 1, Scenario 44.

\* #

\* Rural minor collector mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 27.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2002

Month: July

Altitude: Low

Minimum Temperature: 71.0 (F)

Maximum Temperature: 89.6 (F)

Minimum Rel. Hum.: 47.0 (%)

Maximum Rel. Hum.: 91.0 (%)

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)							
VTM Distribution:	0.4734	0.3112	0.1063		0.0418	0.0008	0.0020	0.0584	0.0061	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.171	2.975	3.116	3.011	3.376	0.901	1.414	0.827	3.69	2.500

```
* #####
* Rural local-Iredell (Pt.)
* File 1, Run 1, Scenario 45.
* #####
* Rural local mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 27.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. 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:	0.4733	0.3113	0.1063		0.0418	0.0008	0.0020	0.0584	0.0061	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.171	2.975	3.116	3.011	3.367	0.901	1.414	0.828	3.69	2.500

```
* #####
* Urban interstate-Iredell (Pt.)
* File 1, Run 1, Scenario 46.
* #####
* Urban interstate mix and speeds
M615 Comment:
        User supplied VMT mix.
M581 Warning:
        The user supplied freeway average speed of 57.0
        will be used for all hours of the day. 100% of VMT
```







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)							
VTM Distribution:	0.4918	0.3235	0.1106		0.0320	0.0009	0.0021	0.0327	0.0064	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.201	3.007	3.150	3.043	3.440	0.919	1.439	0.772	3.74	2.567

\* #

\* Urban local-Iredell (Pt.)

\* File 1, Run 1, Scenario 50.

\* #

\* Urban local mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 19.0 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.

M 48 Warning:

```
there are no sales for vehicle class HDGV8b
```

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. ppm

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

Vehicle Type: GVWR:	LDGV <6000	LDGT12 >6000	LDGT34 (All)	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.4919	0.3234	0.1106		0.0320	0.0009	0.0021	0.0327	0.0064	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.518	3.371	3.530	3.411	4.378	1.074	1.655	0.986	4.14	2.922

```
*****
* MOBILE6.2.03 (24-Sep-2003)
* Input file: GASVC02N.IN (file 1, run 1).
*****
```

```
* Reading Registration Distributions from the following external
* data file: MEKAGE04.PRN
```

```
M 49 Warning:
      0.999      MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
```

Results Reflect No Clean Air Act of 1990

```
* #####
* Rural interstate-Gaston County
* File 1, Run 1, Scenario 1.
* #####
* Rural interstate mix and speeds
```

```
M615 Comment:
      User supplied VMT mix.
M581 Warning:
      The user supplied freeway average speed of 30.0
      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.
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

```
      Calendar Year: 2002
      Month: July
      Altitude: Low
      Minimum Temperature: 71.0 (F)
      Maximum Temperature: 89.6 (F)
      Minimum Rel. Hum.: 47.0 (%)
      Maximum Rel. Hum.: 91.0 (%)
      Barometric Pressure: 30.00 (inches Hg)
      Nominal Fuel RVP: 7.8 psi
      Weathered RVP: 7.5 psi
      Fuel Sulfur Content: 300. 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:	0.3589	0.2361	0.0806		0.0931	0.0005	0.0014	0.2248	0.0046	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.497	2.131	1.710	2.024	1.682	0.703	1.061	0.688	3.07	1.506
-----										

```
* #####
* Rural principle arterial-Gaston County
* File 1, Run 1, Scenario 2.
* #####
* Rural other principle arterial mix and speeds
```

```
M615 Comment:
      User supplied VMT mix.
M 96 Warning:
      72.0      speed reduced to 65 mph maximum
M581 Warning:
```

```
M 48 Warning:      there are no sales for vehicle class HDGV8b
M156 Warning:      Onboard Refueling Vapor Recovery Regulation (1994)
                   effects have been disabled by the user.
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VT Distribution:	0.4479	0.2948	0.1006		0.0415	0.0006	0.0018	0.1070	0.0058	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.258	1.813	1.474	1.727	1.193	0.544	0.841	0.436	3.47	1.364

```

M515 Warning:      User supplied VMT mix.
M583 Warning:      The user supplied arterial average speed of 41.0
                    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.
M 48 Warning:      there are no sales for vehicle class HDGV8b
M156 Warning:      Onboard Refueling Vapor Recovery Regulation (1994
                    effects have been disabled by the user.

```

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Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
-----										
VMT Distribution:	0.4736	0.3114	0.1062		0.0404	0.0006	0.0019	0.0598	0.0061	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.350	1.958	1.576	1.861	1.317	0.588	0.901	0.469	2.76	1.517

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	300. 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:	0.4735	0.3115	0.1062		0.0404	0.0006	0.0019	0.0598	0.0061	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.501	2.134	1.713	2.027	1.664	0.703	1.062	0.642	3.07	1.684

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\* Urban interstate mix and speeds

\* Urban interstate mix and speeds

M615 Comment:

User supplied VMT mix.

M581 Warning:

The user supplied freeway average speed of 49.0 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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	300. 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:	0.4308	0.2833	0.0967		0.0531	0.0006	0.0017	0.1282	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.316	1.916	1.545	1.822	1.262	0.566	0.871	0.469	2.73	1.404

```
* #####
* Urban freeway-Gaston County
* File 1, Run 1, Scenario 8.
* #####
* Urban freeway mix and speeds
```

\* Urban freeway mix and speeds

M615 Comment:

User supplied VMT mix.

M581 Warning:

The user supplied freeway average speed of 65.0 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.

M 48 Warning:

```
there are no sales for vehicle class HDGV8b
```

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

```

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 71.0 (F)
Maximum Temperature: 89.6 (F)
Minimum Rel. Hum.: 47.0 (%)
Maximum Rel. Hum.: 91.0 (%)
Barometric Pressure: 30.00 (inches Hg)
Nominal Fuel RVP: 7.8 psi
Weathered RVP: 7.5 psi

```





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```
*****
* MOBILE6.2.03 (24-Sep-2003)
* Input file: MEKVC02N.IN (file 1, run 1).
*****
```

```
* Reading Registration Distributions from the following external
* data file: MEKAGE04.PRN
```

```
M 49 Warning:
      0.999      MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
```

Results Reflect No Clean Air Act of 1990

```
* #####
* Rural principle arterial-Meck County
* File 1, Run 1, Scenario 1.
* #####
* Rural other principle arterial mix and speeds
```

```
M615 Comment:
      User supplied VMT mix.
M581 Warning:
      The user supplied freeway average speed of 33.0
      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.
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

```
      Calendar Year: 2002
      Month: July
      Altitude: Low
      Minimum Temperature: 71.0 (F)
      Maximum Temperature: 89.6 (F)
      Minimum Rel. Hum.: 47.0 (%)
      Maximum Rel. Hum.: 91.0 (%)
      Barometric Pressure: 30.00 (inches Hg)
      Nominal Fuel RVP: 7.8 psi
      Weathered RVP: 7.5 psi
      Fuel Sulfur Content: 300. 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:	0.4479	0.2948	0.1006		0.0415	0.0006	0.0018	0.1070	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.453	2.075	1.665	1.970	1.580	0.669	1.014	0.638	2.98	1.583
-----										

```
* #####
* Rural minor arterial-Meck County
* File 1, Run 1, Scenario 2.
* #####
* Rural minor arterial mix and speeds
```

```
M615 Comment:
      User supplied VMT mix.
M583 Warning:
      The user supplied arterial average speed of 28.0
      will be used for all hours of the day. 100% of VMT
```

```
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	300. 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:	0.4716	0.3102	0.1058		0.0387	0.0006	0.0019	0.0651	0.0061	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.534	2.172	1.743	2.063	1.754	0.728	1.097	0.694	3.15	1.716

```
* #####
* Rural major collector-Meck County
* File 1, Run 1, Scenario 3.
* #####
* Rural major collector mix and speeds
M615 Comment:
```

User supplied VMT mix.

M583 Warning:  
The user supplied arterial average speed of 51.0  
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.

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

M156 Warning:  
Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	300. 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)							



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)							
VTM Distribution:	0.4735	0.3115	0.1062		0.0404	0.0006	0.0019	0.0598	0.0061	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.501	2.134	1.713	2.027	1.664	0.703	1.062	0.642	3.07	1.684

```
* #####
* Urban interstate-Meck County
* File 1, Run 1, Scenario 6.
* #####
* Urban interstate mix and speeds
  M615 Comment:
      User supplied VMT mix.
M581 Warning:
      The user supplied freeway average speed of 43.0
      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.
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

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)							
VTM Distribution:	0.4308	0.2833	0.0967		0.0531	0.0006	0.0017	0.1282	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.358	1.966	1.582	1.868	1.345	0.593	0.908	0.511	2.77	1.449

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #  
* Urban freeway-Meck County  
* File 1, Run 1, Scenario 7.
```

\* Urban freeway mix and speeds

M615 Comment:

User supplied VMT mix.

M581 Warning:

The user supplied freeway average speed of 43.0 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.

M 48 Warning:

```
there are no sales for vehicle class HDGV8b
```

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

```

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 71.0 (F)
Maximum Temperature: 89.6 (F)
Minimum Rel. Hum.: 47.0 (%)
Maximum Rel. Hum.: 91.0 (%)
Barometric Pressure: 30.00 (inches Hg)
Nominal Fuel RVP: 7.8 psi
Weathered RVP: 7.5 psi
Fuel Sulfur Content: 300. 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:0.4687 0.3083 0.1052 0.0320 0.0006 0.0019 0.0773 0.0061 1.0000

Composite Emission Factors (g/mi):

Composite VOC:	1.358	1.966	1.582	1.868	1.346	0.593	0.909	0.511	2.77	1.510
----------------	-------	-------	-------	-------	-------	-------	-------	-------	------	-------

\* #

\* Urban principle arterial-Meck County

\* File 1, Run 1, Scenario 8.

\* #

\* Urban principle arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 26.0 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.

M 48 Warning:

```
there are no sales for vehicle class HDGV8b
```

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year:	2002
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	300. 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)							
-----										
VTM Distribution:	0.4945	0.3251	0.1110		0.0261	0.0006	0.0020	0.0345	0.0063	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.571	2.215	1.778	2.104	1.838	0.758	1.138	0.708	3.23	1.790
-----										

\* #  
 \* Urban minor arterial-Meck County  
 \* File 1, Run 1, Scenario 9.  
 \* #  
 \* Urban minor arterial mix and speeds  
 M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 26.0  
 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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
 effects have been disabled by the user.

Calendar Year: 2002  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 71.0 (F)  
 Maximum Temperature: 89.6 (F)  
 Minimum Rel. Hum.: 47.0 (%)  
 Maximum Rel. Hum.: 91.0 (%)  
 Barometric Pressure: 30.00 (inches Hg)  
 Nominal Fuel RVP: 7.8 psi  
 Weathered RVP: 7.5 psi  
 Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.4913	0.3234	0.1103		0.0301	0.0006	0.0020	0.0360	0.0064	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.571	2.215	1.778	2.104	1.837	0.758	1.138	0.690	3.23	1.788
-----										

\* #  
 \* Urban collector-Meck County  
 \* File 1, Run 1, Scenario 10.  
 \* #  
 \* Urban collector mix and speeds  
 M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 25.0  
 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.

M 48 Warning:



Composite Emission Factors (g/mi):  
Composite VOC: 1.501 2.134 1.713 2.027 1.662 0.703 1.061 0.600 3.07 1.713  
-----

```
*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: MG08N.IN (file 1, run 1). *
*****
```

```
* Reading Registration Distributions from the following external
* data file: MEKAGE04.PRN
```

```
M 49 Warning:
      0.999      MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
```

Results Reflect No Clean Air Act of 1990

```
* #####
* Rural principle arterial-Meck County
* File 1, Run 1, Scenario 1.
* #####
* Rural other principle arterial mix and speeds
```

```
M615 Comment:
      User supplied VMT mix.
M581 Warning:
      The user supplied freeway average speed of 22.0
      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.
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

```
      Calendar Year: 2008
      Month: July
      Altitude: Low
      Minimum Temperature: 71.0 (F)
      Maximum Temperature: 89.6 (F)
      Minimum Rel. Hum.: 47.0 (%)
      Maximum Rel. Hum.: 91.0 (%)
      Barometric Pressure: 30.00 (inches Hg)
      Nominal Fuel RVP: 7.8 psi
      Weathered RVP: 7.5 psi
      Fuel Sulfur Content: 300. 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:	0.3684	0.3548	0.1209		0.0413	0.0004	0.0019	0.1070	0.0053	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.512	1.914	1.542	1.819	1.757	0.595	0.836	0.810	3.21	1.601
-----										

```
* #####
* Rural minor arterial-Meck County
* File 1, Run 1, Scenario 2.
* #####
* Rural minor arterial mix and speeds
```

```
M615 Comment:
      User supplied VMT mix.
M583 Warning:
      The user supplied arterial average speed of 18.0
      will be used for all hours of the day. 100% of VMT
```

```
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	300. 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:	0.3877	0.3733	0.1273		0.0386	0.0004	0.0020	0.0651	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.703	2.135	1.730	2.032	2.039	0.662	0.936	0.900	3.46	1.836

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural major collector-Meck County
* File 1, Run 1, Scenario 3.
* # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural major collector mix and speeds
M615 Comment:
```

M583 Warning:  
The user supplied arterial average speed of 32.0 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.

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

M156 Warning:  
Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	7.8 psi
Weathered RVP:	7.5 psi
Fuel Sulfur Content:	300. 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)							



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)							
VTM Distribution:	0.3884	0.3747	0.1278		0.0406	0.0004	0.0020	0.0605	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.386	1.775	1.437	1.689	1.425	0.499	0.694	0.594	2.90	1.499

```
* #####
* Urban interstate-Meck County
* File 1, Run 1, Scenario 6.
* #####
* Urban interstate mix and speeds
  M615 Comment:
      User supplied VMT mix.
M581 Warning:
      The user supplied freeway average speed of 41.0
      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.
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

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)							
VTM Distribution:	0.3541	0.3410	0.1163		0.0529	0.0003	0.0018	0.1285	0.0051	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.268	1.649	1.341	1.571	1.189	0.423	0.581	0.482	2.64	1.307

```
* # # # # # # # # # # # # # # # # # # # # # # #  
* Urban freeway-Meck County  
* File 1, Run 1, Scenario 7.
```





Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VTM Distribution:	0.4063	0.3911	0.1334		0.0261	0.0004	0.0021	0.0348	0.0058	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.472	1.867	1.510	1.776	1.605	0.554	0.776	0.681	3.08	1.615

```

Calendar Year: 2008
Month: July
Altitude: Low
Minimum Temperature: 71.0 (F)
Maximum Temperature: 89.6 (F)
Minimum Rel. Hum.: 47.0 (%)
Maximum Rel. Hum.: 91.0 (%)
Barometric Pressure: 30.00 (inches Hg)
Nominal Fuel RVP: 7.8 psi
Weathered RVP: 7.5 psi
Fuel Sulfur Content: 300. ppm

```

Vehicle Type: GVWR:	LDGV <6000	LDGT12 >6000	LDGT34 (All)	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.4039	0.3891	0.1326		0.0299	0.0004	0.0020	0.0361	0.0059	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.452	1.846	1.493	1.756	1.562	0.542	0.757	0.648	3.04	1.592

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

```
* #####
* Rural minor arterial- Gaston County
* File 1, Run 1, Scenario 14.
* #####
* Rural minor arterial mix and speeds
M615 Comment:
    User supplied VMT mix.
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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

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

```
* #####
* Rural major collector- Gaston County
* File 1, Run 1, Scenario 15.
* #####
```



Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
-----										
VMT Distribution:	0.3893	0.3747	0.1278		0.0403	0.0004	0.0020	0.0599	0.0056	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.268	1.649	1.341	1.571	1.184	0.423	0.581	0.457	2.64	1.374

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
-----										
VMT Distribution:	0.3884	0.3747	0.1278		0.0406	0.0004	0.0020	0.0605	0.0056	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.386	1.775	1.437	1.689	1.425	0.499	0.694	0.594	2.90	1.499

```
there are no sales for vehicle class HDGV8b
```

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

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

```
* #####
* Urban freeway- Gaston County
* File 1, Run 1, Scenario 19.
* #####
* Urban freeway mix and speeds
  M615 Comment:
                User supplied VMT mix.
```

M581 Warning:  
The user supplied freeway average speed of 65.0 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.

M156 Warning:  
Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

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

Reasonable Further Progress  
The Charlotte-Gastonia-Rock Hill, NC-SC 8-Hour Ozone  
North Carolina Attainment Demonstration

```

* #####
* Urban principle arterial- Gaston County
* File 1, Run 1, Scenario 20.
* #####
* Urban principle arterial mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 26.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.

```

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

VMT Distribution:0.4063 0.3911 0.1334 0.0261 0.0004 0.0021 0.0348 0.0058 1.0000

```
* #####
* Urban minor arterial- Gaston County
* File 1, Run 1, Scenario 21.
* #####
* Urban minor arterial mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 29.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

Reasonable Further Progress  
The Charlotte-Gastonia-Rock Hill, NC-SC 8-Hour Ozone  
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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:	0.4039	0.3891	0.1326		0.0299	0.0004	0.0020	0.0361	0.0059	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.401	1.791	1.450	1.704	1.454	0.509	0.708	0.591	2.93	1.539

```
* #####
* Urban collector- Gaston County
* File 1, Run 1, Scenario 22.
* #####
* Urban collector mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 26.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

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)							
VTMT Distribution:	0.4045	0.3895	0.1328		0.0310	0.0004	0.0020	0.0339	0.0058	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.452	1.846	1.493	1.756	1.560	0.542	0.757	0.636	3.04	1.594

```
* #####
* Urban local- Gaston County
* File 1, Run 1, Scenario 23.
* #####
* Urban local mix and speeds
```

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 30.0 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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 7.8 psi  
Weathered RVP: 7.5 psi  
Fuel Sulfur Content: 300. 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:	0.4048	0.3895	0.1329		0.0308	0.0004	0.0021	0.0337	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.386	1.775	1.437	1.689	1.422	0.499	0.694	0.563	2.90	1.525
-----										

```

*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: RIL08N.IN (file 1, run 1). *
*****

```

```

* Reading Registration Distributions from the following external
* data file: NCAGE04.PRN

```

```

M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
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M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.999     MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)

```

Results Reflect No Clean Air Act of 1990

```

* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural principle arterial- Rowan County
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #

```

```

* Rural other principle arterial mix and speeds

```

```

M615 Comment:

```

```

      User supplied VMT mix.

```

```

M581 Warning:

```

```

      The user supplied freeway average speed of 45.0
      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.

```

```

M 48 Warning:

```

```

      there are no sales for vehicle class HDGV8b

```

```

M156 Warning:

```

```

      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.

```

```

      Calendar Year: 2008

```

```

      Month: July

```

```

      Altitude: Low

```

```

      Minimum Temperature: 71.0 (F)

```

```

      Maximum Temperature: 89.6 (F)

```

```

      Minimum Rel. Hum.: 47.0 (%)

```

```

      Maximum Rel. Hum.: 91.0 (%)

```

```

      Barometric Pressure: 30.00 (inches Hg)

```

```

      Nominal Fuel RVP: 9.0 psi

```

```

      Weathered RVP: 8.6 psi

```

```

      Fuel Sulfur Content: 300. 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:	0.3684	0.3548	0.1209		0.0419	0.0004	0.0019	0.1064	0.0053	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.636	2.114	2.011	2.088	1.870	0.485	0.690	0.479	3.04	1.743
-----										

\* #

\* Rural minor arterial- Rowan County

\* File 1, Run 1, Scenario 2.

\* #

\* Rural minor arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 49.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008

Month: July

Altitude: Low

Minimum Temperature: 71.0 (F)

Maximum Temperature: 89.6 (F)

Minimum Rel. Hum.: 47.0 (%)

Maximum Rel. Hum.: 91.0 (%)

Barometric Pressure: 30.00 (inches Hg)

Nominal Fuel RVP: 9.0 psi

Weathered RVP: 8.6 psi

Fuel Sulfur Content: 300. 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:	0.3877	0.3733	0.1273		0.0392	0.0004	0.0020	0.0645	0.0056	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.593	2.071	1.969	2.045	1.786	0.472	0.669	0.434	3.03	1.758
-----										

\* #

\* Rural major collector- Rowan County

\* File 1, Run 1, Scenario 3.

\* #

\* Rural major collector mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 50.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.3924	0.3778	0.1287		0.0387	0.0004	0.0020	0.0543	0.0057	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.584	2.061	1.960	2.035	1.768	0.468	0.664	0.419	3.02	1.762
-----										

\* #

\* Rural minor collector- Rowan County

\* File 1, Run 1, Scenario 4.

\* #

\* Rural minor collector mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 50.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.3893	0.3747	0.1278		0.0409	0.0004	0.0020	0.0593	0.0056	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.584	2.061	1.960	2.035	1.768	0.468	0.664	0.421	3.02	1.755
-----										



Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.3540	0.3410	0.1163		0.0537	0.0004	0.0018	0.1277	0.0051	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.534	1.993	1.896	1.968	1.706	0.456	0.645	0.423	3.17	1.606
-----										

\* #

\* Urban principle arterial- Rowan County

\* File 1, Run 1, Scenario 7.

\* #

\* Urban principle arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 38.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.4063	0.3911	0.1334		0.0265	0.0004	0.0020	0.0344	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.721	2.192	2.086	2.165	2.030	0.522	0.745	0.503	3.14	1.926
-----										

\* #

\* Urban minor arterial- Rowan County

\* File 1, Run 1, Scenario 8.

\* #

\* Urban minor arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

```
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4039	0.3891	0.1327		0.0303	0.0004	0.0020	0.0357	0.0059	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.708	2.180	2.074	2.153	1.998	0.516	0.736	0.483	3.12	1.911

```
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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994
    effects have been disabled by the user.
```

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Appendix O  
June 15, 2007



```
* #####
* Urban local- Rowan County
* File 1, Run 1, Scenario 10.
* #####
* Urban local mix and speeds
* M615 Comment:
```

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No

```
* #####
* Rural Interstate - Iredell County(Pt)
* File 1, Run 1, Scenario 11.
* #####
* Rural interstate mix and speeds
* M615 Comment:
```

Reasonable Further Progress  
The Charlotte-Gastonia-Rock Hill, NC-SC 8-Hour Ozone  
North Carolina Attainment Demonstration



\* Rural minor arterial- Iredell County(Pt)  
 \* File 1, Run 1, Scenario 13.  
 \* #  
 \* Rural minor arterial mix and speeds  
 M615 Comment:  
     User supplied VMT mix.  
 M583 Warning:  
     The user supplied arterial average speed of 11.0  
     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.  
 M 48 Warning:  
     there are no sales for vehicle class HDGV8b  
 M156 Warning:  
     Onboard Refueling Vapor Recovery Regulation (1994)  
     effects have been disabled by the user.

Calendar Year: 2008  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 71.0 (F)  
 Maximum Temperature: 89.6 (F)  
 Minimum Rel. Hum.: 47.0 (%)  
 Maximum Rel. Hum.: 91.0 (%)  
 Barometric Pressure: 30.00 (inches Hg)  
 Nominal Fuel RVP: 9.0 psi  
 Weathered RVP: 8.6 psi  
 Fuel Sulfur Content: 300. 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:	0.3877	0.3733	0.1273		0.0392	0.0004	0.0020	0.0645	0.0056	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	3.220	3.813	3.664	3.775	4.901	0.959	1.403	1.273	4.85	3.443
-----										

\* #  
 \* Rural major collector- Iredell County(Pt)  
 \* File 1, Run 1, Scenario 14.  
 \* #  
 \* Rural major collector mix and speeds  
 M615 Comment:  
     User supplied VMT mix.  
 M583 Warning:  
     The user supplied arterial average speed of 24.0  
     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.  
 M 48 Warning:  
     there are no sales for vehicle class HDGV8b  
 M156 Warning:  
     Onboard Refueling Vapor Recovery Regulation (1994)  
     effects have been disabled by the user.

Calendar Year: 2008  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 71.0 (F)  
 Maximum Temperature: 89.6 (F)  
 Minimum Rel. Hum.: 47.0 (%)  
 Maximum Rel. Hum.: 91.0 (%)  
 Barometric Pressure: 30.00 (inches Hg)  
 Nominal Fuel RVP: 9.0 psi  
 Weathered RVP: 8.6 psi



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

```
* #####
* Urban collector- Iredell County(Pt)
* File 1, Run 1, Scenario 20.
* #####
* Urban collector mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 23.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

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

```
* #####
* Urban local- Iredell County(Pt)
* File 1, Run 1, Scenario 21.
* #####
```

\* Urban local mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 18.0 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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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:	0.4048	0.3895	0.1329		0.0313	0.0004	0.0020	0.0332	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	2.347	2.845	2.719	2.813	3.348	0.772	1.121	0.879	3.93	2.579
-----										

\* #

\* Rural principle arterial- Lincoln County

\* File 1, Run 1, Scenario 22.

\* #

\* Rural other principle arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M581 Warning:

The user supplied freeway average speed of 59.0 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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No



Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3684	0.3548	0.1209		0.0419	0.0004	0.0019	0.1064	0.0053	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.523	1.977	1.880	1.952	1.693	0.453	0.642	0.422	3.31	1.625

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. ppm

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3877	0.3733	0.1273		0.0392	0.0004	0.0020	0.0645	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.735	2.205	2.098	2.178	2.062	0.529	0.756	0.533	3.16	1.897

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Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

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

```
* #####
* Rural minor collector- Lincoln County
* File 1, Run 1, Scenario 25.
* #####
* Rural minor collector mix and speeds
* M615 Comment:
```

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.

```
there are no sales for vehicle class HDGV8b
```

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

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

Reasonable Further Progress  
The Charlotte-Gastonia-Rock Hill, NC-SC 8-Hour Ozone  
North Carolina Attainment Demonstration



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:	0.4063	0.3911	0.1334		0.0265	0.0004	0.0020	0.0344	0.0058	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.683	2.157	2.052	2.130	1.947	0.504	0.719	0.473	3.09	1.888

```
* #####
* Urban minor arterial- Lincoln County
* File 1, Run 1, Scenario 28.
* #####
* Urban minor arterial mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 23.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

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:	0.4039	0.3891	0.1327		0.0303	0.0004	0.0020	0.0357	0.0059	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.063	2.538	2.420	2.508	2.786	0.680	0.983	0.750	3.63	2.277

```
* #####
* Urban collector- Lincoln County
* File 1, Run 1, Scenario 29.
* #####
* Urban collector mix and speeds
* M615 Comment:
      User supplied VMT mix.
```

The user supplied arterial average speed of 22.0 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.

```
there are no sales for vehicle class HDGV8b
```

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. ppm

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

Vehicle Type: GVWR:	LDGV <6000	LDGT12 >6000	LDGT34 (All)	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.4045	0.3895	0.1328		0.0314	0.0004	0.0020	0.0335	0.0058	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	2.101	2.579	2.460	2.549	2.865	0.696	1.007	0.761	3.68	2.321

[illegible]

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 30.0 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.

M 48 Warning:

```
there are no sales for vehicle class HDGV8b
```

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. 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:	0.4048	0.3895	0.1329		0.0313	0.0004	0.0020	0.0332	0.0058	1.0000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite Emission Factors (g/mi):										
Composite VOC:	1.868	2.337	2.226	2.309	2.332	0.589	0.846	0.589	3.35	2.076
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

```
*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: UC08N.IN (file 1, run 1). *
*****
```

```
* Reading Registration Distributions from the following external
* data file: NCAGE04.PRN
```

```
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
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M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.998     MYR sum not = 1. (will normalize)
M 49 Warning:
      0.999     MYR sum not = 1. (will normalize)
M 49 Warning:
      1.00      MYR sum not = 1. (will normalize)
```

Results Reflect No Clean Air Act of 1990

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural principle arterial- Cabarrus County
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural other principle arterial mix and speeds
```

```
M615 Comment:
      User supplied VMT mix.
M581 Warning:
      The user supplied freeway average speed of 46.0
      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.
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

```
      Calendar Year: 2008
      Month: July
      Altitude: Low
      Minimum Temperature: 71.0 (F)
      Maximum Temperature: 89.6 (F)
      Minimum Rel. Hum.: 47.0 (%)
      Maximum Rel. Hum.: 91.0 (%)
      Barometric Pressure: 30.00 (inches Hg)
      Nominal Fuel RVP: 9.0 psi
      Weathered RVP: 8.6 psi
      Fuel Sulfur Content: 300. ppm
```

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

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VTM Distribution:	0.3684	0.3548	0.1209		0.0419	0.0004	0.0019	0.1064	0.0053	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.624	2.103	2.000	2.076	1.851	0.482	0.684	0.472	3.04	1.732

Reformulated Gas: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3877	0.3733	0.1273		0.0392	0.0004	0.0020	0.0645	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.683	2.157	2.052	2.130	1.949	0.504	0.719	0.491	3.09	1.846

M156 Warning:



Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.3924	0.3778	0.1287		0.0387	0.0004	0.0020	0.0543	0.0057	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.721	2.192	2.086	2.165	2.030	0.522	0.746	0.509	3.14	1.898
-----										

\* #

\* Rural minor collector- Cabarrus County

\* File 1, Run 1, Scenario 4.

\* #

\* Rural minor collector mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 34.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.3893	0.3747	0.1278		0.0409	0.0004	0.0020	0.0593	0.0056	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.783	2.251	2.142	2.223	2.165	0.552	0.790	0.562	3.23	1.953
-----										



Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.3540	0.3410	0.1163		0.0537	0.0004	0.0018	0.1277	0.0051	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.765	2.232	2.124	2.205	2.142	0.544	0.778	0.581	3.21	1.840
-----										

\* #

\* Urban principle arterial- Cabarrus County

\* File 1, Run 1, Scenario 7.

\* #

\* Urban principle arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 28.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008  
Month: July  
Altitude: Low  
Minimum Temperature: 71.0 (F)  
Maximum Temperature: 89.6 (F)  
Minimum Rel. Hum.: 47.0 (%)  
Maximum Rel. Hum.: 91.0 (%)  
Barometric Pressure: 30.00 (inches Hg)  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.6 psi  
Fuel Sulfur Content: 300. 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)							
-----										
VTM Distribution:	0.4063	0.3911	0.1334		0.0265	0.0004	0.0020	0.0344	0.0058	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.914	2.383	2.271	2.354	2.445	0.611	0.880	0.651	3.42	2.121
-----										

\* #

\* Urban minor arterial- Cabarrus County

\* File 1, Run 1, Scenario 8.

\* #

\* Urban minor arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

```
M 48 Warning:
      there are no sales for vehicle class HDGV8b
M156 Warning:
      Onboard Refueling Vapor Recovery Regulation (1994)
      effects have been disabled by the user.
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VTM Distribution:	0.4039	0.3891	0.1327		0.0303	0.0004	0.0020	0.0357	0.0059	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.890	2.359	2.248	2.331	2.387	0.600	0.863	0.620	3.39	2.096

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. ppm
Exhaust I/M Program:	No
Evap I/M Program:	No
ATP Program:	Yes
Reformulated Gas:	No



Calendar Year: 2008  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 71.0 (F)  
 Maximum Temperature: 89.6 (F)  
 Minimum Rel. Hum.: 47.0 (%)  
 Maximum Rel. Hum.: 91.0 (%)  
 Barometric Pressure: 30.00 (inches Hg)  
 Nominal Fuel RVP: 9.0 psi  
 Weathered RVP: 8.6 psi  
 Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.3684	0.3548	0.1209		0.0419	0.0004	0.0019	0.1064	0.0053	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.624	2.103	2.000	2.076	1.851	0.482	0.684	0.472	3.04	1.732
-----										

\* #  
 \* Rural minor arterial- Union County  
 \* File 1, Run 1, Scenario 12.  
 \* #  
 \* Rural minor arterial mix and speeds  
 M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 43.0  
 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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
 effects have been disabled by the user.

Calendar Year: 2008  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 71.0 (F)  
 Maximum Temperature: 89.6 (F)  
 Minimum Rel. Hum.: 47.0 (%)  
 Maximum Rel. Hum.: 91.0 (%)  
 Barometric Pressure: 30.00 (inches Hg)  
 Nominal Fuel RVP: 9.0 psi  
 Weathered RVP: 8.6 psi  
 Fuel Sulfur Content: 300. 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)							
VTM Distribution:	0.3877	0.3733	0.1273		0.0392	0.0004	0.0020	0.0645	0.0056	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.658	2.134	2.031	2.108	1.901	0.494	0.704	0.473	3.07	1.822
-----										

\* #

```

* Rural major collector- Union County
* File 1, Run 1, Scenario 13.
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural major collector mix and speeds
M615 Comment:
    User supplied VMT mix.
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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.

```

```

    Calendar Year: 2008
    Month: July
    Altitude: Low
    Minimum Temperature: 71.0 (F)
    Maximum Temperature: 89.6 (F)
    Minimum Rel. Hum.: 47.0 (%)
    Maximum Rel. Hum.: 91.0 (%)
    Barometric Pressure: 30.00 (inches Hg)
    Nominal Fuel RVP: 9.0 psi
    Weathered RVP: 8.6 psi
    Fuel Sulfur Content: 300. 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:	0.3924	0.3778	0.1287		0.0387	0.0004	0.0020	0.0543	0.0057	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC:	1.636	2.114	2.011	2.088	1.856	0.485	0.690	0.447	3.04	1.814
-----										

```

* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural minor collector- Union County
* File 1, Run 1, Scenario 14.
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Rural minor collector mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 44.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.

```

```

    Calendar Year: 2008
    Month: July
    Altitude: Low
    Minimum Temperature: 71.0 (F)
    Maximum Temperature: 89.6 (F)
    Minimum Rel. Hum.: 47.0 (%)
    Maximum Rel. Hum.: 91.0 (%)
    Barometric Pressure: 30.00 (inches Hg)
    Nominal Fuel RVP: 9.0 psi
    Weathered RVP: 8.6 psi

```

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:	0.3893	0.3747	0.1278		0.0409	0.0004	0.0020	0.0593	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.647	2.124	2.021	2.098	1.877	0.490	0.697	0.457	3.05	1.818

```
* #####
* Rural local- Union County
* File 1, Run 1, Scenario 15.
* #####
* Rural local mix and speeds
M615 Comment:
    User supplied VMT mix.
M583 Warning:
    The user supplied arterial average speed of 30.0
    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.
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M156 Warning:
    Onboard Refueling Vapor Recovery Regulation (1994)
    effects have been disabled by the user.
```

Calendar Year:	2008
Month:	July
Altitude:	Low
Minimum Temperature:	71.0 (F)
Maximum Temperature:	89.6 (F)
Minimum Rel. Hum.:	47.0 (%)
Maximum Rel. Hum.:	91.0 (%)
Barometric Pressure:	30.00 (inches Hg)
Nominal Fuel RVP:	9.0 psi
Weathered RVP:	8.6 psi
Fuel Sulfur Content:	300. 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)							
VTM Distribution:	0.3884	0.3747	0.1278		0.0412	0.0004	0.0020	0.0599	0.0056	1.0000
Composite Emission Factors (g/mi):										
Composite VOC:	1.868	2.337	2.226	2.309	2.342	0.589	0.846	0.625	3.35	2.040

```
* #####
* Urban freeway- Union County
* File 1, Run 1, Scenario 16.
* #####
* Urban freeway mix and speeds
M615 Comment:
    User supplied VMT mix.
M581 Warning:
    The user supplied freeway average speed of 36.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the freeway roadway type for
```



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VTM Distribution:0.4063 0.3911 0.1334 0.0265 0.0004 0.0020 0.0344 0.0058 1.0000

-----  
Composite Emission Factors (g/mi):  
Composite VOC: 1.802 2.270 2.161 2.243 2.205 0.560 0.803 0.566 3.26 2.007  
-----

\* #

\* Urban minor arterial- Union County

\* File 1, Run 1, Scenario 18.

\* #

\* Urban minor arterial mix and speeds

M615 Comment:

User supplied VMT mix.

M583 Warning:

The user supplied arterial average speed of 32.0  
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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008

Month: July

Altitude: Low

Minimum Temperature: 71.0 (F)

Maximum Temperature: 89.6 (F)

Minimum Rel. Hum.: 47.0 (%)

Maximum Rel. Hum.: 91.0 (%)

Barometric Pressure: 30.00 (inches Hg)

Nominal Fuel RVP: 9.0 psi

Weathered RVP: 8.6 psi

Fuel Sulfur Content: 300. 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)

-----  
VTM Distribution:0.4039 0.3891 0.1327 0.0303 0.0004 0.0020 0.0357 0.0059 1.0000  
-----

Composite Emission Factors (g/mi):  
Composite VOC: 1.823 2.291 2.182 2.263 2.244 0.569 0.816 0.570 3.29 2.027  
-----

\* #

\* Urban collector- Union County

\* File 1, Run 1, Scenario 19.

\* #

\* Urban collector mix and speeds

M615 Comment:

User supplied VMT mix.

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.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M156 Warning:

Onboard Refueling Vapor Recovery Regulation (1994)  
effects have been disabled by the user.

Calendar Year: 2008

Month: July

Altitude: Low

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

```
* #####
* Urban local- Union County
* File 1, Run 1, Scenario 20.
* #####
* Urban local mix and speeds
M615 Comment:
```

The user supplied arterial average speed of 30.0 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.

Onboard Refueling Vapor Recovery Regulation (1994) effects have been disabled by the user.

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

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