

**NEW YORK STATE
DEPARTMENT OF TRANSPORTATION**

**MOBILE6.2 EMISSION FACTORS
FOR REGIONAL, MESOSCALE, and CMAQ PROJECT
EMISSION CALCULATIONS**

PART A

ENVIRONMENTAL ANALYSIS BUREAU

April 2007

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1. **About the Tables**

The U.S. Environmental Protection Agency (EPA) Mobile Source Emission Factor Model, MOBILE6, is a computer program that estimates pollutant emissions from highway motor vehicles. MOBILE6.2, the most recent version of the program, generates emission factors for hydrocarbons (HC), carbon monoxide (CO), nitrogen oxides (NO_x), particulate matter (PM), and air toxics.

Based on data obtained from the NYS Department of Environmental Conservation (NYSDEC), emission factors for volatile organic compounds (VOCs), CO, and NO_x were generated using MOBILE6.2. Composite emission factors were subsequently generated using default vehicle distribution data (see Appendix A). The composite emission factors are contained in tables on the NYSDOT Environmental Analysis Bureau (EAB) website, and should be used to estimate regional, mesoscale, and CMAQ project emissions for scenarios assuming the default regional vehicle distributions.

Thirty-one (31) sets of tables were created covering all of the counties in New York State. Counties with identical inputs (e.g., Cattaraugus and Chautauqua) were included in the same set of tables. The tables provide emission factors based on the following:

- Analysis year (2002 to 2035)
- Average vehicle speed (2.5 to 65 mph)
- Roadway type

Evaporative refueling emissions were excluded from the tables since these emissions are accounted for in the New York State Implementation Plan (SIP) as stationary sources.

2. **Modeling Input/Output Information**

The data that were used in the modeling are described below. Note that “downstate” (New York City Metropolitan Area) counties consist of Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Suffolk, and Westchester. All of the remaining counties are classified as “upstate.”

Evaluation Month

The month of July (i.e., summertime conditions) was specified in the VOC and NO_x emission factor input files, while the month of January (i.e., wintertime conditions) was specified in the CO emission factor input files.

Vehicle Registration Distribution

Two sets of vehicle registration data were used in the modeling: one set for the downstate region and one set for the upstate region. Year-specific data were used to model years 2002 through 2006. Year 2006 registration data were used to model years 2007 through 2035.

Vehicle Mileage Accumulation Rate

One set of mileage accumulation rate data (NY_Mile.d) is available for the entire state. This data set was used to model both upstate and downstate counties for all modeling years.

I/M Programs

NYSDEC inspection and maintenance (I/M) program data were used in the emission modeling. The I/M program for Downstate NY differs from that of Upstate NY; thus, different data files exist for the downstate and upstate regions.

Upstate Counties

The NYSDEC file, UPimTEST.d, contains data for the Upstate NY I/M program. This file was used for modeling years 2005 through 2035. No Upstate I/M program was specified for modeling years 2002 through 2004.

Downstate Counties

The NYSDEC files, noOBD.d and NYimTEST.d, contain data for the Downstate NY I/M program. The noOBD.d file was used for modeling years 2002 to 2005. The NYimTEST.d file was used for modeling years 2006 through 2035.

Anti-Tampering Program

One set of anti-tampering program data was used to model both upstate and downstate counties for all modeling years.

Fuel Program and Fuel RVP

Average and maximum fuel sulfur levels and fuel Reid Vapor Pressure (RVP) levels were specified in the input files (as listed in Table 1 below).

| TABLE 1 – FUEL SULFUR AND RVP LEVELS | | | | |
|---|--------|--------------------------|---------|-----------|
| Downstate Counties and Dutchess, Orange, and Putnam Counties | | | | |
| Year(s) | Season | Fuel Sulfur Levels (ppm) | | RVP (psi) |
| | | Average | Maximum | |
| 2002 - 2003 | Summer | 85.0 | 1000.0 | 6.8 |
| | Winter | 137.0 | 1000.0 | 12.5 |
| 2004 | Summer | 85.0 | 303.0 | 6.8 |
| | Winter | 120.0 | 303.0 | 12.5 |
| 2005 | Summer | 90.0 | 303.0 | 6.8 |
| | Winter | 90.0 | 303.0 | 12.5 |
| 2006 - 2007 | Summer | 30.0 | 87.0 | 6.8 |
| | Winter | 30.0 | 87.0 | 12.5 |
| 2008 - 2009 | Summer | 30.0 | 80.0 | 6.8 |
| | Winter | 30.0 | 87.0 | 12.5 |
| 2010 - 2035 | Summer | 30.0 | 80.0 | 6.8 |
| | Winter | 30.0 | 80.0 | 12.5 |
| Remaining Upstate Counties | | | | |
| Year(s) | Season | Fuel Sulfur Levels (ppm) | | RVP (psi) |
| | | Average | Maximum | |
| 2002 - 2003 | Summer | 297.0 | 1000.0 | 8.3 |
| | Winter | 293.0 | 1000.0 | 12.1 |
| 2004 | Summer | 120.0 | 303.0 | 8.3 |
| | Winter | 120.0 | 303.0 | 12.1 |
| 2005 | Summer | 90.0 | 303.0 | 8.3 |
| | Winter | 90.0 | 303.0 | 12.1 |
| 2006 - 2007 | Summer | 30.0 | 87.0 | 8.3 |
| | Winter | 30.0 | 87.0 | 12.1 |
| 2008 - 2009 | Summer | 30.0 | 80.0 | 8.3 |
| | Winter | 30.0 | 87.0 | 12.1 |
| 2010 - 2035 | Summer | 30.0 | 80.0 | 8.6 |
| | Winter | 30.0 | 80.0 | 12.5 |

Gasoline fuel oxygenate data were also specified in the input files (as listed in Table 2 below).

| TABLE 2 – GASOLINE FUEL OXYGENATE DATA | | | | |
|---|---------------|----------------|---------------------------------|------------------------------------|
| Downstate Counties and Dutchess, Orange, and Putnam Counties | | | | |
| Year(s) | Season | Oxygenate Type | Oxygenate Content (% by volume) | Market Share Fraction of Oxygenate |
| 2002 - 2003 | Summer | MTBE | 10.4% | 0.98 |
| | | TAME | 1.01% | 0.02 |
| | Winter | MTBE | 8.7% | 0.96 |
| | | TAME | 0.3% | 0.04 |
| 2004 - 2035 | Summer/Winter | Ethanol | 10% | 1.00 |
| Remaining Upstate Counties | | | | |
| Year(s) | Season | Oxygenate Type | Oxygenate Content (% by volume) | Market Share Fraction of Oxygenate |
| 2002 - 2003 | Summer | MTBE | 1.74% | 1.00 |
| | Winter | MTBE | 1.37% | 1.00 |
| 2004 - 2007 | Summer/Winter | None | None | None |
| 2008 - 2009 | Summer/Winter | Ethanol | 2.5% | 1.00 |
| 2010 - 2035 | Summer/Winter | Ethanol | 5% | 1.00 |

Note that the inputs for the downstate counties reflect the reformulated gasoline (RFG) program.

Temperature and Humidity

For the summer season, county-specific hourly temperatures and relative humidity levels were used in the modeling. For the winter season, county-specific hourly temperatures and MOBILE6.2 default humidity levels were used in the modeling.

Diesel Sale Fractions

Diesel sale fractions for the upstate and downstate regions were used in the modeling. Year-specific diesel sale fractions were used to model years 2002 through 2006. Year 2006 diesel sale fractions were used to model years 2007 through 2035.

Vehicle Start Distribution

County-specific vehicle start distribution data were used in the modeling.

VMT by Hour

County-specific VMT data (allocated by hour of day) were used in the modeling.

Low-Emission Vehicle (LEV) Standards

The following files were used to model the effects of implementing California's LEV I/LEV II programs in New York State:

- L2CERT.d – Specifies the LEV II 50,000-mile certification standards
- L2EVAP.d – Specifies the phase-in schedule for the LEV II evaporative emission standards
- L2EXH.d – Specifies the phase-in schedule for the LEV II exhaust emission standards
- LEV2.d – Provides fleet penetration fractions for light-duty gasoline vehicles under the LEV I/LEV II programs

3. Table Applicability

The emission factors in the tables are based on the data described above and the default summer and winter vehicle distributions presented in Appendix A. Before using the emission factor tables, users should confirm that the assumptions used to generate the tables (including the default vehicle distributions) are similar to those of the actual modeling scenario. In general, the emission factor tables are suitable for the following types of emission analyses:

- X Regional emission analyses
- X Mesoscale emission analyses
- X Long-range plan and TIP analyses
- X Analyses for CMAQ and other projects that are consistent with general fleet characteristics (vehicle mix, vehicle registration distribution, mileage accumulation rate, etc.) and are not expected to result in substantial changes to the fleet (e.g., traffic signalization, intersection channelization)

The emission factor tables are not intended for use in obtaining emission factors for specific vehicle types, specific vehicle model years, or specific fuel types.

4. How to Use the Tables

The emission factor tables are available separate from this guidance document on the NYSDOT EAB website. After accessing the website, the user should:

- Select the appropriate set of tables based on the county of interest
- Find the tables for the pollutant(s) and year(s) of interest (tables are available for years 2002 through 2035)
- Locate the emission factor based on average vehicle speed and roadway type (if a desired vehicle speed is not listed in the table, linear interpolation is recommended to obtain an emission factor)

Idle emission factors are not provided in the tables. If desired, idle emission factors can be calculated using the following formula (as specified in the EPA publication “*Technical Guidance on the Use of MOBILE6.2 for Emission Inventory Preparation*”):

$$EF_{\text{idle}} = EF_{2.5\text{mph}} \times 2.5 \text{ mph}$$

where EF_{idle} is the idle emission factor in grams/hour and $EF_{2.5\text{mph}}$ is the emission factor in grams/mile at 2.5 mph.

APPENDIX A

Summer and Winter Vehicle Distributions by NYSDOT Region

| VEHICLE TYPES | |
|---|---|
| Abbreviation | Description |
| LDGV | Light-Duty Gasoline Vehicles (Passenger Cars) |
| LDGT1 | Light-Duty Gasoline Trucks 1 (0-6,000 lbs. GVWR, 0-3,750 lbs. LVW) |
| LDGT2 | Light-Duty Gasoline Trucks 2 (0-6,000 lbs. GVWR, 3,751-5,750 lbs. LVW) |
| LDGT3 | Light-Duty Gasoline Trucks 3 (6,001-8,500 lbs. GVWR, 0-5,750 lbs. ALVW) |
| LDGT4 | Light-Duty Gasoline Trucks 4 (6,001-8,500 lbs. GVWR, >5,751 lbs. ALVW) |
| HDGV2B | Class 2B Heavy-Duty Gasoline Vehicles (8,501-10,000 lbs. GVWR) |
| HDGV3 | Class 3 Heavy-Duty Gasoline Vehicles (10,001-14,000 lbs. GVWR) |
| HDGV4 | Class 4 Heavy-Duty Gasoline Vehicles (14,001-16,000 lbs. GVWR) |
| HDGV5 | Class 5 Heavy-Duty Gasoline Vehicles (16,001-19,500 lbs. GVWR) |
| HDGV6 | Class 6 Heavy-Duty Gasoline Vehicles (19,501-26,000 lbs. GVWR) |
| HDGV7 | Class 7 Heavy-Duty Gasoline Vehicles (26,001-33,000 lbs. GVWR) |
| HDGV8A | Class 8A Heavy-Duty Gasoline Vehicles (33,001-60,000 lbs. GVWR) |
| LDDV | Light-Duty Diesel Vehicles (Passenger Cars) |
| LDDT12 | Light-Duty Diesel Trucks 1 and 2 (0-6,000 lbs. GVWR) |
| LDDT34 | Light-Duty Diesel Trucks 3 and 4 (6,001-8,500 lbs. GVWR) |
| HDDV2B | Class 2B Heavy-Duty Diesel Vehicles (8,501-10,000 lbs. GVWR) |
| HDDV3 | Class 3 Heavy-Duty Diesel Vehicles (10,001-14,000 lbs. GVWR) |
| HDDV4 | Class 4 Heavy-Duty Diesel Vehicles (14,001-16,000 lbs. GVWR) |
| HDDV5 | Class 5 Heavy-Duty Diesel Vehicles (16,001-19,500 lbs. GVWR) |
| HDDV6 | Class 6 Heavy-Duty Diesel Vehicles (19,501-26,000 lbs. GVWR) |
| HDDV7 | Class 7 Heavy-Duty Diesel Vehicles (26,001-33,000 lbs. GVWR) |
| HDDV8A | Class 8A Heavy-Duty Diesel Vehicles (33,001-60,000 lbs. GVWR) |
| HDDV8B | Class 8B Heavy-Duty Diesel Vehicles (>60,000 lbs. GVWR) |
| HDGB | Gasoline Buses (School, Transit, and Urban) |
| HDDBT | Diesel Transit and Urban Buses |
| HDDBS | Diesel School Buses |
| MC | Motorcycles (Gasoline) |
| <p>Key: GVWR = Gross Vehicle Weight Rating LWR = Loaded Vehicle Weight ALVW = Alternative Loaded Vehicle Weight Note: Vehicle class HDGV8B (Class 8B Heavy-Duty Gasoline Vehicles, >60,000 lbs. GVWR) was excluded from the emission factor tables, as manufacturers have ceased production of vehicles in this class.</p> | |

TABLE A-1

Summertime Vehicle Distribution by NYSDOT Region
 NYSDOT Region 1 (excluding Columbia County)

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 40.52% | 42.17% | 43.62% | 42.54% | 45.73% | 47.41% |
| LDGT1 | 6.58% | 6.85% | 7.09% | 6.91% | 7.43% | 7.70% |
| LDGT2 | 21.96% | 22.86% | 23.65% | 23.07% | 24.80% | 25.71% |
| LDGT3 | 10.16% | 12.06% | 11.65% | 12.81% | 10.16% | 9.27% |
| LDGT4 | 4.61% | 5.48% | 5.29% | 5.82% | 4.61% | 4.21% |
| HDGV2B | 3.08% | 1.85% | 1.44% | 1.47% | 1.17% | 0.85% |
| HDGV3 | 1.16% | 0.70% | 0.55% | 0.55% | 0.44% | 0.32% |
| HDGV4 | 0.33% | 0.19% | 0.16% | 0.15% | 0.13% | 0.09% |
| HDGV5 | 0.44% | 0.27% | 0.21% | 0.21% | 0.17% | 0.12% |
| HDGV6 | 0.35% | 0.21% | 0.17% | 0.16% | 0.13% | 0.09% |
| HDGV7 | 0.34% | 0.21% | 0.16% | 0.16% | 0.13% | 0.10% |
| HDGV8A | 0.55% | 0.33% | 0.26% | 0.26% | 0.21% | 0.15% |
| LDDV | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.11% | 0.11% | 0.12% | 0.11% | 0.12% | 0.13% |
| LDDT34 | 1.03% | 1.21% | 1.17% | 1.28% | 1.03% | 0.94% |
| HDDV2B | 0.55% | 0.33% | 0.26% | 0.26% | 0.21% | 0.15% |
| HDDV3 | 0.37% | 0.22% | 0.17% | 0.18% | 0.14% | 0.10% |
| HDDV4 | 0.24% | 0.15% | 0.11% | 0.12% | 0.09% | 0.07% |
| HDDV5 | 0.32% | 0.19% | 0.15% | 0.15% | 0.12% | 0.09% |
| HDDV6 | 0.60% | 0.36% | 0.28% | 0.29% | 0.23% | 0.17% |
| HDDV7 | 0.80% | 0.48% | 0.38% | 0.38% | 0.30% | 0.22% |
| HDDV8A | 2.50% | 1.50% | 1.17% | 1.19% | 0.95% | 0.69% |
| HDDV8B | 1.53% | 0.92% | 0.72% | 0.73% | 0.58% | 0.42% |
| HDGB | 0.19% | 0.11% | 0.09% | 0.09% | 0.07% | 0.05% |
| HDDBT | 0.57% | 0.34% | 0.27% | 0.27% | 0.22% | 0.16% |
| HDDBS | 0.57% | 0.34% | 0.27% | 0.27% | 0.22% | 0.16% |
| MC | 0.48% | 0.50% | 0.52% | 0.50% | 0.54% | 0.56% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 2

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 39.33% | 40.94% | 41.40% | 44.06% | 44.78% | 45.48% |
| LDGT1 | 6.85% | 7.13% | 7.21% | 7.68% | 7.80% | 7.92% |
| LDGT2 | 22.73% | 23.67% | 23.93% | 25.47% | 25.89% | 26.28% |
| LDGT3 | 10.45% | 12.21% | 12.61% | 9.90% | 9.71% | 9.52% |
| LDGT4 | 4.75% | 5.55% | 5.72% | 4.50% | 4.41% | 4.32% |
| HDGV2B | 2.36% | 1.42% | 1.19% | 1.10% | 0.93% | 0.78% |
| HDGV3 | 1.23% | 0.74% | 0.61% | 0.58% | 0.48% | 0.41% |
| HDGV4 | 0.40% | 0.24% | 0.20% | 0.18% | 0.16% | 0.13% |
| HDGV5 | 0.54% | 0.32% | 0.27% | 0.25% | 0.21% | 0.18% |
| HDGV6 | 0.17% | 0.10% | 0.08% | 0.08% | 0.06% | 0.05% |
| HDGV7 | 0.28% | 0.17% | 0.14% | 0.13% | 0.11% | 0.09% |
| HDGV8A | 0.42% | 0.25% | 0.21% | 0.19% | 0.17% | 0.14% |
| LDDV | 0.06% | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.11% | 0.12% | 0.12% | 0.12% | 0.13% | 0.13% |
| LDDT34 | 1.06% | 1.24% | 1.27% | 1.00% | 0.98% | 0.96% |
| HDDV2B | 0.42% | 0.25% | 0.21% | 0.20% | 0.17% | 0.14% |
| HDDV3 | 0.39% | 0.24% | 0.20% | 0.18% | 0.16% | 0.13% |
| HDDV4 | 0.29% | 0.18% | 0.15% | 0.14% | 0.12% | 0.10% |
| HDDV5 | 0.39% | 0.24% | 0.20% | 0.18% | 0.16% | 0.13% |
| HDDV6 | 0.29% | 0.18% | 0.15% | 0.14% | 0.12% | 0.10% |
| HDDV7 | 0.65% | 0.39% | 0.33% | 0.30% | 0.26% | 0.22% |
| HDDV8A | 1.89% | 1.14% | 0.95% | 0.89% | 0.75% | 0.63% |
| HDDV8B | 2.31% | 1.39% | 1.16% | 1.08% | 0.92% | 0.77% |
| HDGB | 0.46% | 0.28% | 0.23% | 0.22% | 0.18% | 0.15% |
| HDDBT | 0.69% | 0.42% | 0.35% | 0.32% | 0.28% | 0.23% |
| HDDBS | 0.93% | 0.56% | 0.47% | 0.43% | 0.37% | 0.31% |
| MC | 0.55% | 0.57% | 0.58% | 0.61% | 0.62% | 0.63% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 3

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 37.34% | 42.29% | 42.07% | 43.14% | 44.74% | 46.73% |
| LDGT1 | 6.45% | 7.30% | 7.26% | 7.45% | 7.72% | 8.07% |
| LDGT2 | 21.37% | 24.20% | 24.07% | 24.69% | 25.59% | 26.74% |
| LDGT3 | 10.04% | 11.72% | 12.89% | 9.39% | 10.50% | 9.33% |
| LDGT4 | 4.45% | 5.20% | 5.72% | 4.17% | 4.65% | 4.13% |
| HDGV2B | 3.61% | 1.44% | 1.17% | 1.85% | 0.98% | 0.65% |
| HDGV3 | 1.52% | 0.60% | 0.49% | 0.77% | 0.41% | 0.27% |
| HDGV4 | 0.58% | 0.23% | 0.19% | 0.29% | 0.15% | 0.10% |
| HDGV5 | 0.72% | 0.29% | 0.24% | 0.37% | 0.20% | 0.13% |
| HDGV6 | 0.37% | 0.15% | 0.12% | 0.19% | 0.10% | 0.07% |
| HDGV7 | 0.68% | 0.27% | 0.22% | 0.34% | 0.18% | 0.12% |
| HDGV8A | 0.46% | 0.18% | 0.14% | 0.23% | 0.12% | 0.08% |
| LDDV | 0.06% | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.10% | 0.12% | 0.12% | 0.12% | 0.13% | 0.13% |
| LDDT34 | 1.01% | 1.18% | 1.29% | 0.94% | 1.05% | 0.94% |
| HDDV2B | 0.65% | 0.26% | 0.21% | 0.33% | 0.18% | 0.12% |
| HDDV3 | 0.49% | 0.20% | 0.16% | 0.25% | 0.13% | 0.09% |
| HDDV4 | 0.42% | 0.17% | 0.14% | 0.22% | 0.12% | 0.08% |
| HDDV5 | 0.53% | 0.21% | 0.17% | 0.27% | 0.14% | 0.10% |
| HDDV6 | 0.63% | 0.25% | 0.21% | 0.32% | 0.17% | 0.11% |
| HDDV7 | 1.58% | 0.63% | 0.51% | 0.81% | 0.43% | 0.29% |
| HDDV8A | 2.05% | 0.82% | 0.67% | 1.05% | 0.56% | 0.37% |
| HDDV8B | 2.51% | 1.00% | 0.81% | 1.28% | 0.68% | 0.45% |
| HDGB | 0.50% | 0.20% | 0.16% | 0.26% | 0.14% | 0.09% |
| HDDBT | 0.50% | 0.20% | 0.16% | 0.26% | 0.14% | 0.09% |
| HDDBS | 1.00% | 0.40% | 0.33% | 0.51% | 0.27% | 0.18% |
| MC | 0.38% | 0.43% | 0.42% | 0.43% | 0.45% | 0.47% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 4

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 40.10% | 41.68% | 43.01% | 46.69% | 47.26% | 48.60% |
| LDGT1 | 6.54% | 6.80% | 7.02% | 7.61% | 7.71% | 7.93% |
| LDGT2 | 21.70% | 22.55% | 23.28% | 25.26% | 25.57% | 26.30% |
| LDGT3 | 9.30% | 11.72% | 12.30% | 9.11% | 8.86% | 8.67% |
| LDGT4 | 4.35% | 5.48% | 5.75% | 4.26% | 4.14% | 4.05% |
| HDGV2B | 3.28% | 1.98% | 1.35% | 1.09% | 0.98% | 0.58% |
| HDGV3 | 1.36% | 0.82% | 0.56% | 0.45% | 0.41% | 0.24% |
| HDGV4 | 0.44% | 0.27% | 0.19% | 0.15% | 0.13% | 0.08% |
| HDGV5 | 0.59% | 0.37% | 0.25% | 0.19% | 0.18% | 0.10% |
| HDGV6 | 0.28% | 0.17% | 0.12% | 0.10% | 0.09% | 0.05% |
| HDGV7 | 0.46% | 0.28% | 0.19% | 0.16% | 0.14% | 0.08% |
| HDGV8A | 0.37% | 0.23% | 0.15% | 0.13% | 0.11% | 0.06% |
| LDDV | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.11% | 0.11% | 0.11% | 0.12% | 0.12% | 0.13% |
| LDDT34 | 0.95% | 1.20% | 1.25% | 0.93% | 0.90% | 0.88% |
| HDDV2B | 0.59% | 0.36% | 0.24% | 0.20% | 0.17% | 0.10% |
| HDDV3 | 0.44% | 0.27% | 0.18% | 0.15% | 0.13% | 0.08% |
| HDDV4 | 0.33% | 0.20% | 0.13% | 0.11% | 0.10% | 0.06% |
| HDDV5 | 0.44% | 0.26% | 0.18% | 0.15% | 0.13% | 0.08% |
| HDDV6 | 0.49% | 0.30% | 0.20% | 0.16% | 0.14% | 0.09% |
| HDDV7 | 1.09% | 0.66% | 0.45% | 0.36% | 0.32% | 0.19% |
| HDDV8A | 1.69% | 1.02% | 0.70% | 0.56% | 0.50% | 0.30% |
| HDDV8B | 2.58% | 1.56% | 1.06% | 0.86% | 0.77% | 0.45% |
| HDGB | 0.52% | 0.31% | 0.21% | 0.17% | 0.15% | 0.09% |
| HDDBT | 0.52% | 0.31% | 0.21% | 0.17% | 0.15% | 0.09% |
| HDDBS | 1.03% | 0.63% | 0.43% | 0.34% | 0.31% | 0.18% |
| MC | 0.39% | 0.40% | 0.41% | 0.45% | 0.46% | 0.47% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 5

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 30.80% | 41.08% | 42.05% | 45.57% | 47.35% | 47.39% |
| LDGT1 | 4.83% | 6.44% | 6.58% | 7.14% | 7.42% | 7.43% |
| LDGT2 | 16.15% | 21.53% | 22.02% | 23.88% | 24.81% | 24.84% |
| LDGT3 | 10.03% | 12.61% | 13.87% | 9.39% | 9.20% | 10.03% |
| LDGT4 | 4.84% | 6.09% | 6.70% | 4.54% | 4.45% | 4.84% |
| HDGV2B | 6.88% | 2.25% | 1.47% | 1.70% | 1.12% | 0.82% |
| HDGV3 | 2.63% | 0.85% | 0.56% | 0.65% | 0.43% | 0.31% |
| HDGV4 | 1.00% | 0.33% | 0.21% | 0.25% | 0.16% | 0.12% |
| HDGV5 | 1.00% | 0.33% | 0.21% | 0.25% | 0.16% | 0.12% |
| HDGV6 | 0.43% | 0.14% | 0.09% | 0.11% | 0.07% | 0.05% |
| HDGV7 | 0.52% | 0.17% | 0.11% | 0.13% | 0.08% | 0.06% |
| HDGV8A | 0.63% | 0.20% | 0.13% | 0.15% | 0.11% | 0.07% |
| LDDV | 0.05% | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.08% | 0.10% | 0.11% | 0.12% | 0.12% | 0.12% |
| LDDT34 | 1.03% | 1.30% | 1.43% | 0.97% | 0.95% | 1.03% |
| HDDV2B | 1.24% | 0.40% | 0.26% | 0.31% | 0.20% | 0.15% |
| HDDV3 | 0.85% | 0.28% | 0.18% | 0.21% | 0.14% | 0.10% |
| HDDV4 | 0.74% | 0.24% | 0.16% | 0.18% | 0.12% | 0.09% |
| HDDV5 | 0.74% | 0.24% | 0.16% | 0.18% | 0.12% | 0.09% |
| HDDV6 | 0.73% | 0.24% | 0.16% | 0.18% | 0.12% | 0.09% |
| HDDV7 | 1.22% | 0.40% | 0.26% | 0.30% | 0.20% | 0.15% |
| HDDV8A | 2.85% | 0.93% | 0.61% | 0.71% | 0.46% | 0.34% |
| HDDV8B | 5.22% | 1.70% | 1.11% | 1.29% | 0.85% | 0.62% |
| HDGB | 1.16% | 0.38% | 0.25% | 0.29% | 0.19% | 0.14% |
| HDDBT | 2.32% | 0.76% | 0.49% | 0.57% | 0.38% | 0.28% |
| HDDBS | 1.74% | 0.57% | 0.37% | 0.43% | 0.28% | 0.21% |
| MC | 0.29% | 0.38% | 0.39% | 0.43% | 0.44% | 0.44% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
 NYSDOT Region 6 & Tioga County

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 28.17% | 33.17% | 36.42% | 34.10% | 38.83% | 40.47% |
| LDGT1 | 6.05% | 7.13% | 7.83% | 7.33% | 8.34% | 8.70% |
| LDGT2 | 20.26% | 23.87% | 26.20% | 24.54% | 27.92% | 29.11% |
| LDGT3 | 8.18% | 10.76% | 13.79% | 10.05% | 11.21% | 10.44% |
| LDGT4 | 3.69% | 4.85% | 6.22% | 4.54% | 5.06% | 4.71% |
| HDGV2B | 5.24% | 3.00% | 1.21% | 2.88% | 1.10% | 0.78% |
| HDGV3 | 2.87% | 1.65% | 0.66% | 1.58% | 0.60% | 0.42% |
| HDGV4 | 0.83% | 0.47% | 0.19% | 0.46% | 0.17% | 0.12% |
| HDGV5 | 1.10% | 0.63% | 0.25% | 0.61% | 0.23% | 0.16% |
| HDGV6 | 0.53% | 0.30% | 0.12% | 0.29% | 0.11% | 0.08% |
| HDGV7 | 0.57% | 0.33% | 0.13% | 0.32% | 0.12% | 0.08% |
| HDGV8A | 0.77% | 0.45% | 0.18% | 0.43% | 0.16% | 0.12% |
| LDDV | 0.04% | 0.05% | 0.06% | 0.05% | 0.06% | 0.06% |
| LDDT12 | 0.10% | 0.12% | 0.13% | 0.12% | 0.14% | 0.14% |
| LDDT34 | 0.83% | 1.09% | 1.39% | 1.01% | 1.13% | 1.05% |
| HDDV2B | 0.94% | 0.54% | 0.22% | 0.52% | 0.20% | 0.14% |
| HDDV3 | 0.93% | 0.53% | 0.22% | 0.51% | 0.20% | 0.14% |
| HDDV4 | 0.60% | 0.35% | 0.14% | 0.33% | 0.13% | 0.09% |
| HDDV5 | 0.80% | 0.46% | 0.19% | 0.44% | 0.17% | 0.12% |
| HDDV6 | 0.90% | 0.52% | 0.21% | 0.50% | 0.19% | 0.13% |
| HDDV7 | 1.33% | 0.76% | 0.31% | 0.73% | 0.28% | 0.20% |
| HDDV8A | 3.50% | 2.00% | 0.81% | 1.93% | 0.74% | 0.52% |
| HDDV8B | 6.65% | 3.81% | 1.54% | 3.66% | 1.40% | 0.99% |
| HDGB | 0.95% | 0.54% | 0.22% | 0.52% | 0.20% | 0.14% |
| HDDBT | 1.90% | 1.09% | 0.44% | 1.05% | 0.40% | 0.28% |
| HDDBS | 1.90% | 1.09% | 0.44% | 1.05% | 0.40% | 0.28% |
| MC | 0.37% | 0.44% | 0.48% | 0.45% | 0.51% | 0.53% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 7

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 31.23% | 34.75% | 35.65% | 36.01% | 37.56% | 39.17% |
| LDGT1 | 7.03% | 7.82% | 8.02% | 8.10% | 8.45% | 8.81% |
| LDGT2 | 23.44% | 26.07% | 26.75% | 27.02% | 28.17% | 29.38% |
| LDGT3 | 9.06% | 13.27% | 13.85% | 9.12% | 11.48% | 11.29% |
| LDGT4 | 4.22% | 6.18% | 6.44% | 4.25% | 5.35% | 5.26% |
| HDGV2B | 4.11% | 1.73% | 1.26% | 2.43% | 1.25% | 0.74% |
| HDGV3 | 1.69% | 0.71% | 0.52% | 1.00% | 0.52% | 0.30% |
| HDGV4 | 0.65% | 0.27% | 0.19% | 0.38% | 0.20% | 0.12% |
| HDGV5 | 0.86% | 0.36% | 0.27% | 0.51% | 0.26% | 0.16% |
| HDGV6 | 0.28% | 0.11% | 0.09% | 0.16% | 0.09% | 0.05% |
| HDGV7 | 0.44% | 0.19% | 0.14% | 0.26% | 0.13% | 0.08% |
| HDGV8A | 0.74% | 0.31% | 0.23% | 0.44% | 0.23% | 0.13% |
| LDDV | 0.05% | 0.05% | 0.05% | 0.06% | 0.06% | 0.06% |
| LDDT12 | 0.11% | 0.13% | 0.13% | 0.13% | 0.14% | 0.14% |
| LDDT34 | 0.92% | 1.35% | 1.41% | 0.93% | 1.17% | 1.15% |
| HDDV2B | 0.74% | 0.31% | 0.23% | 0.44% | 0.22% | 0.13% |
| HDDV3 | 0.55% | 0.23% | 0.17% | 0.32% | 0.16% | 0.10% |
| HDDV4 | 0.47% | 0.20% | 0.15% | 0.28% | 0.14% | 0.08% |
| HDDV5 | 0.63% | 0.27% | 0.19% | 0.37% | 0.19% | 0.11% |
| HDDV6 | 0.47% | 0.20% | 0.14% | 0.28% | 0.14% | 0.08% |
| HDDV7 | 1.05% | 0.44% | 0.32% | 0.62% | 0.32% | 0.19% |
| HDDV8A | 3.36% | 1.42% | 1.03% | 1.99% | 1.01% | 0.60% |
| HDDV8B | 4.48% | 1.89% | 1.37% | 2.65% | 1.35% | 0.80% |
| HDGB | 0.75% | 0.31% | 0.23% | 0.44% | 0.23% | 0.13% |
| HDDBT | 0.37% | 0.16% | 0.11% | 0.22% | 0.11% | 0.07% |
| HDDBS | 1.87% | 0.79% | 0.57% | 1.10% | 0.56% | 0.33% |
| MC | 0.43% | 0.48% | 0.49% | 0.49% | 0.51% | 0.54% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 8 & Columbia County

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 42.56% | 48.99% | 48.03% | 47.24% | 50.35% | 50.75% |
| LDGT1 | 6.27% | 7.21% | 7.07% | 6.96% | 7.41% | 7.47% |
| LDGT2 | 20.82% | 23.95% | 23.49% | 23.10% | 24.61% | 24.82% |
| LDGT3 | 6.97% | 8.70% | 10.81% | 7.81% | 7.87% | 8.31% |
| LDGT4 | 3.22% | 4.02% | 4.99% | 3.60% | 3.63% | 3.84% |
| HDGV2B | 5.04% | 1.48% | 1.02% | 2.62% | 1.23% | 0.86% |
| HDGV3 | 2.00% | 0.58% | 0.40% | 1.04% | 0.49% | 0.34% |
| HDGV4 | 0.57% | 0.17% | 0.12% | 0.30% | 0.14% | 0.10% |
| HDGV5 | 0.76% | 0.23% | 0.16% | 0.40% | 0.18% | 0.12% |
| HDGV6 | 0.24% | 0.07% | 0.05% | 0.12% | 0.06% | 0.04% |
| HDGV7 | 0.30% | 0.09% | 0.06% | 0.16% | 0.07% | 0.05% |
| HDGV8A | 0.42% | 0.13% | 0.09% | 0.21% | 0.10% | 0.07% |
| LDDV | 0.07% | 0.08% | 0.07% | 0.07% | 0.08% | 0.08% |
| LDDT12 | 0.10% | 0.12% | 0.11% | 0.11% | 0.12% | 0.12% |
| LDDT34 | 0.71% | 0.88% | 1.10% | 0.79% | 0.80% | 0.85% |
| HDDV2B | 0.90% | 0.26% | 0.18% | 0.47% | 0.22% | 0.15% |
| HDDV3 | 0.64% | 0.19% | 0.13% | 0.34% | 0.16% | 0.11% |
| HDDV4 | 0.42% | 0.12% | 0.08% | 0.22% | 0.10% | 0.07% |
| HDDV5 | 0.56% | 0.16% | 0.11% | 0.29% | 0.14% | 0.10% |
| HDDV6 | 0.42% | 0.12% | 0.08% | 0.22% | 0.10% | 0.07% |
| HDDV7 | 0.69% | 0.20% | 0.14% | 0.36% | 0.17% | 0.12% |
| HDDV8A | 1.89% | 0.55% | 0.38% | 0.99% | 0.46% | 0.32% |
| HDDV8B | 1.98% | 0.58% | 0.40% | 1.03% | 0.48% | 0.34% |
| HDGB | 0.33% | 0.10% | 0.07% | 0.17% | 0.08% | 0.06% |
| HDDBT | 0.66% | 0.19% | 0.13% | 0.34% | 0.16% | 0.11% |
| HDDBS | 0.99% | 0.29% | 0.20% | 0.52% | 0.24% | 0.17% |
| MC | 0.47% | 0.54% | 0.53% | 0.52% | 0.55% | 0.56% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
 NYSDOT Region 9 (excluding Tioga County)

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 34.35% | 40.04% | 40.86% | 40.34% | 43.34% | 45.09% |
| LDGT1 | 6.35% | 7.40% | 7.55% | 7.46% | 8.01% | 8.34% |
| LDGT2 | 20.94% | 24.40% | 24.91% | 24.61% | 26.42% | 27.50% |
| LDGT3 | 8.77% | 11.25% | 12.46% | 8.84% | 10.30% | 8.84% |
| LDGT4 | 4.13% | 5.30% | 5.87% | 4.16% | 4.85% | 4.16% |
| HDGV2B | 4.87% | 1.99% | 1.30% | 2.64% | 1.08% | 0.89% |
| HDGV3 | 2.04% | 0.83% | 0.54% | 1.10% | 0.45% | 0.38% |
| HDGV4 | 0.58% | 0.23% | 0.16% | 0.32% | 0.13% | 0.11% |
| HDGV5 | 0.97% | 0.40% | 0.26% | 0.53% | 0.21% | 0.18% |
| HDGV6 | 0.37% | 0.15% | 0.10% | 0.20% | 0.08% | 0.07% |
| HDGV7 | 0.50% | 0.21% | 0.13% | 0.28% | 0.11% | 0.09% |
| HDGV8A | 0.79% | 0.32% | 0.21% | 0.43% | 0.18% | 0.15% |
| LDDV | 0.05% | 0.06% | 0.06% | 0.06% | 0.07% | 0.07% |
| LDDT12 | 0.10% | 0.12% | 0.12% | 0.12% | 0.13% | 0.13% |
| LDDT34 | 0.90% | 1.15% | 1.27% | 0.90% | 1.05% | 0.90% |
| HDDV2B | 0.88% | 0.36% | 0.23% | 0.47% | 0.19% | 0.16% |
| HDDV3 | 0.66% | 0.27% | 0.18% | 0.36% | 0.15% | 0.12% |
| HDDV4 | 0.43% | 0.18% | 0.11% | 0.23% | 0.09% | 0.08% |
| HDDV5 | 0.72% | 0.29% | 0.19% | 0.39% | 0.16% | 0.13% |
| HDDV6 | 0.64% | 0.26% | 0.17% | 0.35% | 0.14% | 0.12% |
| HDDV7 | 1.19% | 0.48% | 0.32% | 0.64% | 0.26% | 0.22% |
| HDDV8A | 3.60% | 1.47% | 0.96% | 1.95% | 0.79% | 0.66% |
| HDDV8B | 3.04% | 1.24% | 0.81% | 1.65% | 0.67% | 0.56% |
| HDGB | 0.68% | 0.28% | 0.18% | 0.37% | 0.15% | 0.12% |
| HDDBT | 0.68% | 0.28% | 0.18% | 0.37% | 0.15% | 0.12% |
| HDDBS | 1.35% | 0.55% | 0.36% | 0.73% | 0.30% | 0.25% |
| MC | 0.42% | 0.49% | 0.51% | 0.50% | 0.54% | 0.56% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 10

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 0.00% | 48.43% | 51.90% | 47.97% | 54.79% | 55.91% |
| LDGT1 | 0.00% | 5.75% | 6.17% | 5.70% | 6.51% | 6.64% |
| LDGT2 | 0.00% | 19.18% | 20.56% | 19.00% | 21.70% | 22.14% |
| LDGT3 | 0.00% | 12.56% | 10.87% | 10.15% | 7.49% | 7.36% |
| LDGT4 | 0.00% | 5.71% | 4.94% | 4.61% | 3.40% | 3.34% |
| HDGV2B | 0.00% | 1.55% | 0.92% | 2.56% | 1.10% | 0.77% |
| HDGV3 | 0.00% | 0.45% | 0.27% | 0.74% | 0.32% | 0.22% |
| HDGV4 | 0.00% | 0.23% | 0.14% | 0.38% | 0.16% | 0.11% |
| HDGV5 | 0.00% | 0.21% | 0.13% | 0.34% | 0.14% | 0.10% |
| HDGV6 | 0.00% | 0.13% | 0.07% | 0.22% | 0.09% | 0.06% |
| HDGV7 | 0.00% | 0.14% | 0.08% | 0.23% | 0.10% | 0.07% |
| HDGV8A | 0.00% | 0.14% | 0.09% | 0.24% | 0.11% | 0.07% |
| LDDV | 0.00% | 0.11% | 0.12% | 0.11% | 0.13% | 0.13% |
| LDDT12 | 0.00% | 0.19% | 0.20% | 0.18% | 0.21% | 0.21% |
| LDDT34 | 0.00% | 1.03% | 0.89% | 0.83% | 0.61% | 0.60% |
| HDDV2B | 0.00% | 0.23% | 0.14% | 0.39% | 0.17% | 0.11% |
| HDDV3 | 0.00% | 0.24% | 0.14% | 0.40% | 0.17% | 0.12% |
| HDDV4 | 0.00% | 0.32% | 0.19% | 0.53% | 0.23% | 0.16% |
| HDDV5 | 0.00% | 0.34% | 0.20% | 0.57% | 0.25% | 0.17% |
| HDDV6 | 0.00% | 0.28% | 0.17% | 0.46% | 0.20% | 0.14% |
| HDDV7 | 0.00% | 0.55% | 0.33% | 0.91% | 0.39% | 0.27% |
| HDDV8A | 0.00% | 0.68% | 0.40% | 1.12% | 0.48% | 0.33% |
| HDDV8B | 0.00% | 0.55% | 0.33% | 0.91% | 0.39% | 0.27% |
| HDGB | 0.00% | 0.14% | 0.08% | 0.23% | 0.10% | 0.07% |
| HDDBT | 0.00% | 0.27% | 0.16% | 0.45% | 0.20% | 0.13% |
| HDDBS | 0.00% | 0.27% | 0.16% | 0.45% | 0.20% | 0.13% |
| MC | 0.00% | 0.32% | 0.35% | 0.32% | 0.36% | 0.37% |
| Sum | 0.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Summertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 11

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|-------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 0.00% | 0.00% | 0.00% | 62.40% | 60.18% | 57.64% |
| LDGT1 | 0.00% | 0.00% | 0.00% | 6.22% | 6.00% | 5.74% |
| LDGT2 | 0.00% | 0.00% | 0.00% | 20.83% | 20.09% | 19.23% |
| LDGT3 | 0.00% | 0.00% | 0.00% | 3.85% | 5.31% | 7.90% |
| LDGT4 | 0.00% | 0.00% | 0.00% | 1.64% | 2.26% | 3.37% |
| HDTV2B | 0.00% | 0.00% | 0.00% | 0.48% | 0.60% | 0.57% |
| HDTV3 | 0.00% | 0.00% | 0.00% | 0.14% | 0.18% | 0.17% |
| HDTV4 | 0.00% | 0.00% | 0.00% | 0.09% | 0.12% | 0.11% |
| HDTV5 | 0.00% | 0.00% | 0.00% | 0.08% | 0.11% | 0.09% |
| HDTV6 | 0.00% | 0.00% | 0.00% | 0.07% | 0.09% | 0.08% |
| HDTV7 | 0.00% | 0.00% | 0.00% | 0.06% | 0.06% | 0.06% |
| HDTV8A | 0.00% | 0.00% | 0.00% | 0.07% | 0.08% | 0.08% |
| LDDV | 0.00% | 0.00% | 0.00% | 0.15% | 0.14% | 0.14% |
| LDDT12 | 0.00% | 0.00% | 0.00% | 0.20% | 0.19% | 0.19% |
| LDDT34 | 0.00% | 0.00% | 0.00% | 0.31% | 0.43% | 0.63% |
| HDDV2B | 0.00% | 0.00% | 0.00% | 0.07% | 0.09% | 0.09% |
| HDDV3 | 0.00% | 0.00% | 0.00% | 0.08% | 0.10% | 0.09% |
| HDDV4 | 0.00% | 0.00% | 0.00% | 0.13% | 0.16% | 0.15% |
| HDDV5 | 0.00% | 0.00% | 0.00% | 0.14% | 0.17% | 0.17% |
| HDDV6 | 0.00% | 0.00% | 0.00% | 0.15% | 0.19% | 0.18% |
| HDDV7 | 0.00% | 0.00% | 0.00% | 0.22% | 0.28% | 0.27% |
| HDDV8A | 0.00% | 0.00% | 0.00% | 0.32% | 0.40% | 0.38% |
| HDDV8B | 0.00% | 0.00% | 0.00% | 0.78% | 0.96% | 0.93% |
| HDGB | 0.00% | 0.00% | 0.00% | 0.11% | 0.14% | 0.13% |
| HDDBT | 0.00% | 0.00% | 0.00% | 0.94% | 1.17% | 1.13% |
| HDDBS | 0.00% | 0.00% | 0.00% | 0.17% | 0.21% | 0.20% |
| MC | 0.00% | 0.00% | 0.00% | 0.30% | 0.29% | 0.28% |
| Sum | 0.00% | 0.00% | 0.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

TABLE A-2

Wintertime Vehicle Distribution by NYSDOT Region
 NYSDOT Region 1 (excluding Columbia County)

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 41.00% | 42.67% | 44.14% | 43.04% | 46.27% | 47.97% |
| LDGT1 | 6.58% | 6.85% | 7.09% | 6.91% | 7.43% | 7.70% |
| LDGT2 | 21.96% | 22.86% | 23.65% | 23.07% | 24.80% | 25.71% |
| LDGT3 | 10.16% | 12.06% | 11.65% | 12.81% | 10.16% | 9.27% |
| LDGT4 | 4.61% | 5.48% | 5.29% | 5.82% | 4.61% | 4.21% |
| HDGV2B | 3.08% | 1.85% | 1.44% | 1.47% | 1.17% | 0.85% |
| HDGV3 | 1.16% | 0.70% | 0.55% | 0.55% | 0.44% | 0.32% |
| HDGV4 | 0.33% | 0.19% | 0.16% | 0.15% | 0.13% | 0.09% |
| HDGV5 | 0.44% | 0.27% | 0.21% | 0.21% | 0.17% | 0.12% |
| HDGV6 | 0.35% | 0.21% | 0.17% | 0.16% | 0.13% | 0.09% |
| HDGV7 | 0.34% | 0.21% | 0.16% | 0.16% | 0.13% | 0.10% |
| HDGV8A | 0.55% | 0.33% | 0.26% | 0.26% | 0.21% | 0.15% |
| LDDV | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.11% | 0.11% | 0.12% | 0.11% | 0.12% | 0.13% |
| LDDT34 | 1.03% | 1.21% | 1.17% | 1.28% | 1.03% | 0.94% |
| HDDV2B | 0.55% | 0.33% | 0.26% | 0.26% | 0.21% | 0.15% |
| HDDV3 | 0.37% | 0.22% | 0.17% | 0.18% | 0.14% | 0.10% |
| HDDV4 | 0.24% | 0.15% | 0.11% | 0.12% | 0.09% | 0.07% |
| HDDV5 | 0.32% | 0.19% | 0.15% | 0.15% | 0.12% | 0.09% |
| HDDV6 | 0.60% | 0.36% | 0.28% | 0.29% | 0.23% | 0.17% |
| HDDV7 | 0.80% | 0.48% | 0.38% | 0.38% | 0.30% | 0.22% |
| HDDV8A | 2.50% | 1.50% | 1.17% | 1.19% | 0.95% | 0.69% |
| HDDV8B | 1.53% | 0.92% | 0.72% | 0.73% | 0.58% | 0.42% |
| HDGB | 0.19% | 0.11% | 0.09% | 0.09% | 0.07% | 0.05% |
| HDDBT | 0.57% | 0.34% | 0.27% | 0.27% | 0.22% | 0.16% |
| HDDBS | 0.57% | 0.34% | 0.27% | 0.27% | 0.22% | 0.16% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 2

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 39.88% | 41.51% | 41.98% | 44.67% | 45.40% | 46.11% |
| LDGT1 | 6.85% | 7.13% | 7.21% | 7.68% | 7.80% | 7.92% |
| LDGT2 | 22.73% | 23.67% | 23.93% | 25.47% | 25.89% | 26.28% |
| LDGT3 | 10.45% | 12.21% | 12.61% | 9.90% | 9.71% | 9.52% |
| LDGT4 | 4.75% | 5.55% | 5.72% | 4.50% | 4.41% | 4.32% |
| HDGV2B | 2.36% | 1.42% | 1.19% | 1.10% | 0.93% | 0.78% |
| HDGV3 | 1.23% | 0.74% | 0.61% | 0.58% | 0.48% | 0.41% |
| HDGV4 | 0.40% | 0.24% | 0.20% | 0.18% | 0.16% | 0.13% |
| HDGV5 | 0.54% | 0.32% | 0.27% | 0.25% | 0.21% | 0.18% |
| HDGV6 | 0.17% | 0.10% | 0.08% | 0.08% | 0.06% | 0.05% |
| HDGV7 | 0.28% | 0.17% | 0.14% | 0.13% | 0.11% | 0.09% |
| HDGV8A | 0.42% | 0.25% | 0.21% | 0.19% | 0.17% | 0.14% |
| LDDV | 0.06% | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.11% | 0.12% | 0.12% | 0.12% | 0.13% | 0.13% |
| LDDT34 | 1.06% | 1.24% | 1.27% | 1.00% | 0.98% | 0.96% |
| HDDV2B | 0.42% | 0.25% | 0.21% | 0.20% | 0.17% | 0.14% |
| HDDV3 | 0.39% | 0.24% | 0.20% | 0.18% | 0.16% | 0.13% |
| HDDV4 | 0.29% | 0.18% | 0.15% | 0.14% | 0.12% | 0.10% |
| HDDV5 | 0.39% | 0.24% | 0.20% | 0.18% | 0.16% | 0.13% |
| HDDV6 | 0.29% | 0.18% | 0.15% | 0.14% | 0.12% | 0.10% |
| HDDV7 | 0.65% | 0.39% | 0.33% | 0.30% | 0.26% | 0.22% |
| HDDV8A | 1.89% | 1.14% | 0.95% | 0.89% | 0.75% | 0.63% |
| HDDV8B | 2.31% | 1.39% | 1.16% | 1.08% | 0.92% | 0.77% |
| HDGB | 0.46% | 0.28% | 0.23% | 0.22% | 0.18% | 0.15% |
| HDDBT | 0.69% | 0.42% | 0.35% | 0.32% | 0.28% | 0.23% |
| HDDBS | 0.93% | 0.56% | 0.47% | 0.43% | 0.37% | 0.31% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 3

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 37.72% | 42.72% | 42.49% | 43.57% | 45.19% | 47.20% |
| LDGT1 | 6.45% | 7.30% | 7.26% | 7.45% | 7.72% | 8.07% |
| LDGT2 | 21.37% | 24.20% | 24.07% | 24.69% | 25.59% | 26.74% |
| LDGT3 | 10.04% | 11.72% | 12.89% | 9.39% | 10.50% | 9.33% |
| LDGT4 | 4.45% | 5.20% | 5.72% | 4.17% | 4.65% | 4.13% |
| HDGV2B | 3.61% | 1.44% | 1.17% | 1.85% | 0.98% | 0.65% |
| HDGV3 | 1.52% | 0.60% | 0.49% | 0.77% | 0.41% | 0.27% |
| HDGV4 | 0.58% | 0.23% | 0.19% | 0.29% | 0.15% | 0.10% |
| HDGV5 | 0.72% | 0.29% | 0.24% | 0.37% | 0.20% | 0.13% |
| HDGV6 | 0.37% | 0.15% | 0.12% | 0.19% | 0.10% | 0.07% |
| HDGV7 | 0.68% | 0.27% | 0.22% | 0.34% | 0.18% | 0.12% |
| HDGV8A | 0.46% | 0.18% | 0.14% | 0.23% | 0.12% | 0.08% |
| LDDV | 0.06% | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.10% | 0.12% | 0.12% | 0.12% | 0.13% | 0.13% |
| LDDT34 | 1.01% | 1.18% | 1.29% | 0.94% | 1.05% | 0.94% |
| HDDV2B | 0.65% | 0.26% | 0.21% | 0.33% | 0.18% | 0.12% |
| HDDV3 | 0.49% | 0.20% | 0.16% | 0.25% | 0.13% | 0.09% |
| HDDV4 | 0.42% | 0.17% | 0.14% | 0.22% | 0.12% | 0.08% |
| HDDV5 | 0.53% | 0.21% | 0.17% | 0.27% | 0.14% | 0.10% |
| HDDV6 | 0.63% | 0.25% | 0.21% | 0.32% | 0.17% | 0.11% |
| HDDV7 | 1.58% | 0.63% | 0.51% | 0.81% | 0.43% | 0.29% |
| HDDV8A | 2.05% | 0.82% | 0.67% | 1.05% | 0.56% | 0.37% |
| HDDV8B | 2.51% | 1.00% | 0.81% | 1.28% | 0.68% | 0.45% |
| HDGB | 0.50% | 0.20% | 0.16% | 0.26% | 0.14% | 0.09% |
| HDDBT | 0.50% | 0.20% | 0.16% | 0.26% | 0.14% | 0.09% |
| HDDBS | 1.00% | 0.40% | 0.33% | 0.51% | 0.27% | 0.18% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 4

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 40.49% | 42.08% | 43.42% | 47.14% | 47.72% | 49.07% |
| LDGT1 | 6.54% | 6.80% | 7.02% | 7.61% | 7.71% | 7.93% |
| LDGT2 | 21.70% | 22.55% | 23.28% | 25.26% | 25.57% | 26.30% |
| LDGT3 | 9.30% | 11.72% | 12.30% | 9.11% | 8.86% | 8.67% |
| LDGT4 | 4.35% | 5.48% | 5.75% | 4.26% | 4.14% | 4.05% |
| HDGV2B | 3.28% | 1.98% | 1.35% | 1.09% | 0.98% | 0.58% |
| HDGV3 | 1.36% | 0.82% | 0.56% | 0.45% | 0.41% | 0.24% |
| HDGV4 | 0.44% | 0.27% | 0.19% | 0.15% | 0.13% | 0.08% |
| HDGV5 | 0.59% | 0.37% | 0.25% | 0.19% | 0.18% | 0.10% |
| HDGV6 | 0.28% | 0.17% | 0.12% | 0.10% | 0.09% | 0.05% |
| HDGV7 | 0.46% | 0.28% | 0.19% | 0.16% | 0.14% | 0.08% |
| HDGV8A | 0.37% | 0.23% | 0.15% | 0.13% | 0.11% | 0.06% |
| LDDV | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.11% | 0.11% | 0.11% | 0.12% | 0.12% | 0.13% |
| LDDT34 | 0.95% | 1.20% | 1.25% | 0.93% | 0.90% | 0.88% |
| HDDV2B | 0.59% | 0.36% | 0.24% | 0.20% | 0.17% | 0.10% |
| HDDV3 | 0.44% | 0.27% | 0.18% | 0.15% | 0.13% | 0.08% |
| HDDV4 | 0.33% | 0.20% | 0.13% | 0.11% | 0.10% | 0.06% |
| HDDV5 | 0.44% | 0.26% | 0.18% | 0.15% | 0.13% | 0.08% |
| HDDV6 | 0.49% | 0.30% | 0.20% | 0.16% | 0.14% | 0.09% |
| HDDV7 | 1.09% | 0.66% | 0.45% | 0.36% | 0.32% | 0.19% |
| HDDV8A | 1.69% | 1.02% | 0.70% | 0.56% | 0.50% | 0.30% |
| HDDV8B | 2.58% | 1.56% | 1.06% | 0.86% | 0.77% | 0.45% |
| HDGB | 0.52% | 0.31% | 0.21% | 0.17% | 0.15% | 0.09% |
| HDDBT | 0.52% | 0.31% | 0.21% | 0.17% | 0.15% | 0.09% |
| HDDBS | 1.03% | 0.63% | 0.43% | 0.34% | 0.31% | 0.18% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 5

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 31.09% | 41.46% | 42.44% | 46.00% | 47.79% | 47.83% |
| LDGT1 | 4.83% | 6.44% | 6.58% | 7.14% | 7.42% | 7.43% |
| LDGT2 | 16.15% | 21.53% | 22.02% | 23.88% | 24.81% | 24.84% |
| LDGT3 | 10.03% | 12.61% | 13.87% | 9.39% | 9.20% | 10.03% |
| LDGT4 | 4.84% | 6.09% | 6.70% | 4.54% | 4.45% | 4.84% |
| HDGV2B | 6.88% | 2.25% | 1.47% | 1.70% | 1.12% | 0.82% |
| HDGV3 | 2.63% | 0.85% | 0.56% | 0.65% | 0.43% | 0.31% |
| HDGV4 | 1.00% | 0.33% | 0.21% | 0.25% | 0.16% | 0.12% |
| HDGV5 | 1.00% | 0.33% | 0.21% | 0.25% | 0.16% | 0.12% |
| HDGV6 | 0.43% | 0.14% | 0.09% | 0.11% | 0.07% | 0.05% |
| HDGV7 | 0.52% | 0.17% | 0.11% | 0.13% | 0.08% | 0.06% |
| HDGV8A | 0.63% | 0.20% | 0.13% | 0.15% | 0.11% | 0.07% |
| LDDV | 0.05% | 0.06% | 0.06% | 0.07% | 0.07% | 0.07% |
| LDDT12 | 0.08% | 0.10% | 0.11% | 0.12% | 0.12% | 0.12% |
| LDDT34 | 1.03% | 1.30% | 1.43% | 0.97% | 0.95% | 1.03% |
| HDDV2B | 1.24% | 0.40% | 0.26% | 0.31% | 0.20% | 0.15% |
| HDDV3 | 0.85% | 0.28% | 0.18% | 0.21% | 0.14% | 0.10% |
| HDDV4 | 0.74% | 0.24% | 0.16% | 0.18% | 0.12% | 0.09% |
| HDDV5 | 0.74% | 0.24% | 0.16% | 0.18% | 0.12% | 0.09% |
| HDDV6 | 0.73% | 0.24% | 0.16% | 0.18% | 0.12% | 0.09% |
| HDDV7 | 1.22% | 0.40% | 0.26% | 0.30% | 0.20% | 0.15% |
| HDDV8A | 2.85% | 0.93% | 0.61% | 0.71% | 0.46% | 0.34% |
| HDDV8B | 5.22% | 1.70% | 1.11% | 1.29% | 0.85% | 0.62% |
| HDGB | 1.16% | 0.38% | 0.25% | 0.29% | 0.19% | 0.14% |
| HDDBT | 2.32% | 0.76% | 0.49% | 0.57% | 0.38% | 0.28% |
| HDDBS | 1.74% | 0.57% | 0.37% | 0.43% | 0.28% | 0.21% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 6 & Tioga County

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 28.54% | 33.61% | 36.90% | 34.55% | 39.34% | 41.00% |
| LDGT1 | 6.05% | 7.13% | 7.83% | 7.33% | 8.34% | 8.70% |
| LDGT2 | 20.26% | 23.87% | 26.20% | 24.54% | 27.92% | 29.11% |
| LDGT3 | 8.18% | 10.76% | 13.79% | 10.05% | 11.21% | 10.44% |
| LDGT4 | 3.69% | 4.85% | 6.22% | 4.54% | 5.06% | 4.71% |
| HDGV2B | 5.24% | 3.00% | 1.21% | 2.88% | 1.10% | 0.78% |
| HDGV3 | 2.87% | 1.65% | 0.66% | 1.58% | 0.60% | 0.42% |
| HDGV4 | 0.83% | 0.47% | 0.19% | 0.46% | 0.17% | 0.12% |
| HDGV5 | 1.10% | 0.63% | 0.25% | 0.61% | 0.23% | 0.16% |
| HDGV6 | 0.53% | 0.30% | 0.12% | 0.29% | 0.11% | 0.08% |
| HDGV7 | 0.57% | 0.33% | 0.13% | 0.32% | 0.12% | 0.08% |
| HDGV8A | 0.77% | 0.45% | 0.18% | 0.43% | 0.16% | 0.12% |
| LDDV | 0.04% | 0.05% | 0.06% | 0.05% | 0.06% | 0.06% |
| LDDT12 | 0.10% | 0.12% | 0.13% | 0.12% | 0.14% | 0.14% |
| LDDT34 | 0.83% | 1.09% | 1.39% | 1.01% | 1.13% | 1.05% |
| HDDV2B | 0.94% | 0.54% | 0.22% | 0.52% | 0.20% | 0.14% |
| HDDV3 | 0.93% | 0.53% | 0.22% | 0.51% | 0.20% | 0.14% |
| HDDV4 | 0.60% | 0.35% | 0.14% | 0.33% | 0.13% | 0.09% |
| HDDV5 | 0.80% | 0.46% | 0.19% | 0.44% | 0.17% | 0.12% |
| HDDV6 | 0.90% | 0.52% | 0.21% | 0.50% | 0.19% | 0.13% |
| HDDV7 | 1.33% | 0.76% | 0.31% | 0.73% | 0.28% | 0.20% |
| HDDV8A | 3.50% | 2.00% | 0.81% | 1.93% | 0.74% | 0.52% |
| HDDV8B | 6.65% | 3.81% | 1.54% | 3.66% | 1.40% | 0.99% |
| HDGB | 0.95% | 0.54% | 0.22% | 0.52% | 0.20% | 0.14% |
| HDDBT | 1.90% | 1.09% | 0.44% | 1.05% | 0.40% | 0.28% |
| HDDBS | 1.90% | 1.09% | 0.44% | 1.05% | 0.40% | 0.28% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 7

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 31.66% | 35.23% | 36.14% | 36.50% | 38.07% | 39.71% |
| LDGT1 | 7.03% | 7.82% | 8.02% | 8.10% | 8.45% | 8.81% |
| LDGT2 | 23.44% | 26.07% | 26.75% | 27.02% | 28.17% | 29.38% |
| LDGT3 | 9.06% | 13.27% | 13.85% | 9.12% | 11.48% | 11.29% |
| LDGT4 | 4.22% | 6.18% | 6.44% | 4.25% | 5.35% | 5.26% |
| HDGV2B | 4.11% | 1.73% | 1.26% | 2.43% | 1.25% | 0.74% |
| HDGV3 | 1.69% | 0.71% | 0.52% | 1.00% | 0.52% | 0.30% |
| HDGV4 | 0.65% | 0.27% | 0.19% | 0.38% | 0.20% | 0.12% |
| HDGV5 | 0.86% | 0.36% | 0.27% | 0.51% | 0.26% | 0.16% |
| HDGV6 | 0.28% | 0.11% | 0.09% | 0.16% | 0.09% | 0.05% |
| HDGV7 | 0.44% | 0.19% | 0.14% | 0.26% | 0.13% | 0.08% |
| HDGV8A | 0.74% | 0.31% | 0.23% | 0.44% | 0.23% | 0.13% |
| LDDV | 0.05% | 0.05% | 0.05% | 0.06% | 0.06% | 0.06% |
| LDDT12 | 0.11% | 0.13% | 0.13% | 0.13% | 0.14% | 0.14% |
| LDDT34 | 0.92% | 1.35% | 1.41% | 0.93% | 1.17% | 1.15% |
| HDDV2B | 0.74% | 0.31% | 0.23% | 0.44% | 0.22% | 0.13% |
| HDDV3 | 0.55% | 0.23% | 0.17% | 0.32% | 0.16% | 0.10% |
| HDDV4 | 0.47% | 0.20% | 0.15% | 0.28% | 0.14% | 0.08% |
| HDDV5 | 0.63% | 0.27% | 0.19% | 0.37% | 0.19% | 0.11% |
| HDDV6 | 0.47% | 0.20% | 0.14% | 0.28% | 0.14% | 0.08% |
| HDDV7 | 1.05% | 0.44% | 0.32% | 0.62% | 0.32% | 0.19% |
| HDDV8A | 3.36% | 1.42% | 1.03% | 1.99% | 1.01% | 0.60% |
| HDDV8B | 4.48% | 1.89% | 1.37% | 2.65% | 1.35% | 0.80% |
| HDGB | 0.75% | 0.31% | 0.23% | 0.44% | 0.23% | 0.13% |
| HDDBT | 0.37% | 0.16% | 0.11% | 0.22% | 0.11% | 0.07% |
| HDDBS | 1.87% | 0.79% | 0.57% | 1.10% | 0.56% | 0.33% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 8 & Columbia County

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 43.03% | 49.53% | 48.56% | 47.76% | 50.90% | 51.31% |
| LDGT1 | 6.27% | 7.21% | 7.07% | 6.96% | 7.41% | 7.47% |
| LDGT2 | 20.82% | 23.95% | 23.49% | 23.10% | 24.61% | 24.82% |
| LDGT3 | 6.97% | 8.70% | 10.81% | 7.81% | 7.87% | 8.31% |
| LDGT4 | 3.22% | 4.02% | 4.99% | 3.60% | 3.63% | 3.84% |
| HDGV2B | 5.04% | 1.48% | 1.02% | 2.62% | 1.23% | 0.86% |
| HDGV3 | 2.00% | 0.58% | 0.40% | 1.04% | 0.49% | 0.34% |
| HDGV4 | 0.57% | 0.17% | 0.12% | 0.30% | 0.14% | 0.10% |
| HDGV5 | 0.76% | 0.23% | 0.16% | 0.40% | 0.18% | 0.12% |
| HDGV6 | 0.24% | 0.07% | 0.05% | 0.12% | 0.06% | 0.04% |
| HDGV7 | 0.30% | 0.09% | 0.06% | 0.16% | 0.07% | 0.05% |
| HDGV8A | 0.42% | 0.13% | 0.09% | 0.21% | 0.10% | 0.07% |
| LDDV | 0.07% | 0.08% | 0.07% | 0.07% | 0.08% | 0.08% |
| LDDT12 | 0.10% | 0.12% | 0.11% | 0.11% | 0.12% | 0.12% |
| LDDT34 | 0.71% | 0.88% | 1.10% | 0.79% | 0.80% | 0.85% |
| HDDV2B | 0.90% | 0.26% | 0.18% | 0.47% | 0.22% | 0.15% |
| HDDV3 | 0.64% | 0.19% | 0.13% | 0.34% | 0.16% | 0.11% |
| HDDV4 | 0.42% | 0.12% | 0.08% | 0.22% | 0.10% | 0.07% |
| HDDV5 | 0.56% | 0.16% | 0.11% | 0.29% | 0.14% | 0.10% |
| HDDV6 | 0.42% | 0.12% | 0.08% | 0.22% | 0.10% | 0.07% |
| HDDV7 | 0.69% | 0.20% | 0.14% | 0.36% | 0.17% | 0.12% |
| HDDV8A | 1.89% | 0.55% | 0.38% | 0.99% | 0.46% | 0.32% |
| HDDV8B | 1.98% | 0.58% | 0.40% | 1.03% | 0.48% | 0.34% |
| HDGB | 0.33% | 0.10% | 0.07% | 0.17% | 0.08% | 0.06% |
| HDDBT | 0.66% | 0.19% | 0.13% | 0.34% | 0.16% | 0.11% |
| HDDBS | 0.99% | 0.29% | 0.20% | 0.52% | 0.24% | 0.17% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
 NYSDOT Region 9 (excluding Tioga County)

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 34.77% | 40.53% | 41.37% | 40.84% | 43.88% | 45.65% |
| LDGT1 | 6.35% | 7.40% | 7.55% | 7.46% | 8.01% | 8.34% |
| LDGT2 | 20.94% | 24.40% | 24.91% | 24.61% | 26.42% | 27.50% |
| LDGT3 | 8.77% | 11.25% | 12.46% | 8.84% | 10.30% | 8.84% |
| LDGT4 | 4.13% | 5.30% | 5.87% | 4.16% | 4.85% | 4.16% |
| HDGV2B | 4.87% | 1.99% | 1.30% | 2.64% | 1.08% | 0.89% |
| HDGV3 | 2.04% | 0.83% | 0.54% | 1.10% | 0.45% | 0.38% |
| HDGV4 | 0.58% | 0.23% | 0.16% | 0.32% | 0.13% | 0.11% |
| HDGV5 | 0.97% | 0.40% | 0.26% | 0.53% | 0.21% | 0.18% |
| HDGV6 | 0.37% | 0.15% | 0.10% | 0.20% | 0.08% | 0.07% |
| HDGV7 | 0.50% | 0.21% | 0.13% | 0.28% | 0.11% | 0.09% |
| HDGV8A | 0.79% | 0.32% | 0.21% | 0.43% | 0.18% | 0.15% |
| LDDV | 0.05% | 0.06% | 0.06% | 0.06% | 0.07% | 0.07% |
| LDDT12 | 0.10% | 0.12% | 0.12% | 0.12% | 0.13% | 0.13% |
| LDDT34 | 0.90% | 1.15% | 1.27% | 0.90% | 1.05% | 0.90% |
| HDDV2B | 0.88% | 0.36% | 0.23% | 0.47% | 0.19% | 0.16% |
| HDDV3 | 0.66% | 0.27% | 0.18% | 0.36% | 0.15% | 0.12% |
| HDDV4 | 0.43% | 0.18% | 0.11% | 0.23% | 0.09% | 0.08% |
| HDDV5 | 0.72% | 0.29% | 0.19% | 0.39% | 0.16% | 0.13% |
| HDDV6 | 0.64% | 0.26% | 0.17% | 0.35% | 0.14% | 0.12% |
| HDDV7 | 1.19% | 0.48% | 0.32% | 0.64% | 0.26% | 0.22% |
| HDDV8A | 3.60% | 1.47% | 0.96% | 1.95% | 0.79% | 0.66% |
| HDDV8B | 3.04% | 1.24% | 0.81% | 1.65% | 0.67% | 0.56% |
| HDGB | 0.68% | 0.28% | 0.18% | 0.37% | 0.15% | 0.12% |
| HDDBT | 0.68% | 0.28% | 0.18% | 0.37% | 0.15% | 0.12% |
| HDDBS | 1.35% | 0.55% | 0.36% | 0.73% | 0.30% | 0.25% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
 02 - Rural Principal Arterial
 06 - Rural Minor Arterial
 07 - Rural Major Collectors
 08 - Rural Minor Collectors
 09 - Rural Local
 11 - Urban Interstate
 12 - Urban Freeways and Expressways
 14 - Urban Principal Arterial
 16 - Urban Minor Arterial
 17 - Urban Collectors
 19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 10

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|---------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 0.00% | 48.75% | 52.25% | 48.29% | 55.15% | 56.28% |
| LDGT1 | 0.00% | 5.75% | 6.17% | 5.70% | 6.51% | 6.64% |
| LDGT2 | 0.00% | 19.18% | 20.56% | 19.00% | 21.70% | 22.14% |
| LDGT3 | 0.00% | 12.56% | 10.87% | 10.15% | 7.49% | 7.36% |
| LDGT4 | 0.00% | 5.71% | 4.94% | 4.61% | 3.40% | 3.34% |
| HDGV2B | 0.00% | 1.55% | 0.92% | 2.56% | 1.10% | 0.77% |
| HDGV3 | 0.00% | 0.45% | 0.27% | 0.74% | 0.32% | 0.22% |
| HDGV4 | 0.00% | 0.23% | 0.14% | 0.38% | 0.16% | 0.11% |
| HDGV5 | 0.00% | 0.21% | 0.13% | 0.34% | 0.14% | 0.10% |
| HDGV6 | 0.00% | 0.13% | 0.07% | 0.22% | 0.09% | 0.06% |
| HDGV7 | 0.00% | 0.14% | 0.08% | 0.23% | 0.10% | 0.07% |
| HDGV8A | 0.00% | 0.14% | 0.09% | 0.24% | 0.11% | 0.07% |
| LDDV | 0.00% | 0.11% | 0.12% | 0.11% | 0.13% | 0.13% |
| LDDT12 | 0.00% | 0.19% | 0.20% | 0.18% | 0.21% | 0.21% |
| LDDT34 | 0.00% | 1.03% | 0.89% | 0.83% | 0.61% | 0.60% |
| HDDV2B | 0.00% | 0.23% | 0.14% | 0.39% | 0.17% | 0.11% |
| HDDV3 | 0.00% | 0.24% | 0.14% | 0.40% | 0.17% | 0.12% |
| HDDV4 | 0.00% | 0.32% | 0.19% | 0.53% | 0.23% | 0.16% |
| HDDV5 | 0.00% | 0.34% | 0.20% | 0.57% | 0.25% | 0.17% |
| HDDV6 | 0.00% | 0.28% | 0.17% | 0.46% | 0.20% | 0.14% |
| HDDV7 | 0.00% | 0.55% | 0.33% | 0.91% | 0.39% | 0.27% |
| HDDV8A | 0.00% | 0.68% | 0.40% | 1.12% | 0.48% | 0.33% |
| HDDV8B | 0.00% | 0.55% | 0.33% | 0.91% | 0.39% | 0.27% |
| HDGB | 0.00% | 0.14% | 0.08% | 0.23% | 0.10% | 0.07% |
| HDDBT | 0.00% | 0.27% | 0.16% | 0.45% | 0.20% | 0.13% |
| HDDBS | 0.00% | 0.27% | 0.16% | 0.45% | 0.20% | 0.13% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 0.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

Wintertime Vehicle Distribution by NYSDOT Region
NYSDOT Region 11

| Veh. Type | Functional Class | | | | | |
|-----------|------------------|-------|----------|---------|---------|---------|
| | 01 | 02/06 | 07/08/09 | 11/12 | 14/16 | 17/19 |
| LDGV | 0.00% | 0.00% | 0.00% | 62.70% | 60.47% | 57.92% |
| LDGT1 | 0.00% | 0.00% | 0.00% | 6.22% | 6.00% | 5.74% |
| LDGT2 | 0.00% | 0.00% | 0.00% | 20.83% | 20.09% | 19.23% |
| LDGT3 | 0.00% | 0.00% | 0.00% | 3.85% | 5.31% | 7.90% |
| LDGT4 | 0.00% | 0.00% | 0.00% | 1.64% | 2.26% | 3.37% |
| HDTV2B | 0.00% | 0.00% | 0.00% | 0.48% | 0.60% | 0.57% |
| HDTV3 | 0.00% | 0.00% | 0.00% | 0.14% | 0.18% | 0.17% |
| HDTV4 | 0.00% | 0.00% | 0.00% | 0.09% | 0.12% | 0.11% |
| HDTV5 | 0.00% | 0.00% | 0.00% | 0.08% | 0.11% | 0.09% |
| HDTV6 | 0.00% | 0.00% | 0.00% | 0.07% | 0.09% | 0.08% |
| HDTV7 | 0.00% | 0.00% | 0.00% | 0.06% | 0.06% | 0.06% |
| HDTV8A | 0.00% | 0.00% | 0.00% | 0.07% | 0.08% | 0.08% |
| LDDV | 0.00% | 0.00% | 0.00% | 0.15% | 0.14% | 0.14% |
| LDDT12 | 0.00% | 0.00% | 0.00% | 0.20% | 0.19% | 0.19% |
| LDDT34 | 0.00% | 0.00% | 0.00% | 0.31% | 0.43% | 0.63% |
| HDDV2B | 0.00% | 0.00% | 0.00% | 0.07% | 0.09% | 0.09% |
| HDDV3 | 0.00% | 0.00% | 0.00% | 0.08% | 0.10% | 0.09% |
| HDDV4 | 0.00% | 0.00% | 0.00% | 0.13% | 0.16% | 0.15% |
| HDDV5 | 0.00% | 0.00% | 0.00% | 0.14% | 0.17% | 0.17% |
| HDDV6 | 0.00% | 0.00% | 0.00% | 0.15% | 0.19% | 0.18% |
| HDDV7 | 0.00% | 0.00% | 0.00% | 0.22% | 0.28% | 0.27% |
| HDDV8A | 0.00% | 0.00% | 0.00% | 0.32% | 0.40% | 0.38% |
| HDDV8B | 0.00% | 0.00% | 0.00% | 0.78% | 0.96% | 0.93% |
| HDGB | 0.00% | 0.00% | 0.00% | 0.11% | 0.14% | 0.13% |
| HDDBT | 0.00% | 0.00% | 0.00% | 0.94% | 1.17% | 1.13% |
| HDDBS | 0.00% | 0.00% | 0.00% | 0.17% | 0.21% | 0.20% |
| MC | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Sum | 0.00% | 0.00% | 0.00% | 100.00% | 100.00% | 100.00% |

Note: 01 - Rural Interstate
02 - Rural Principal Arterial
06 - Rural Minor Arterial
07 - Rural Major Collectors
08 - Rural Minor Collectors
09 - Rural Local
11 - Urban Interstate
12 - Urban Freeways and Expressways
14 - Urban Principal Arterial
16 - Urban Minor Arterial
17 - Urban Collectors
19 - Urban Local

APPENDIX B

Sample MOBILE6.2 Input Files

Sample Input File – Albany County, Summer 2002

```

MOBILE6 INPUT FILE :
*CMAQ Table Input File - Albany                For Year 2002 - 2002, Summer

POLLUTANTS      : HC NOX CO
PARTICULATES    :
AIR TOXICS      :
REPORT FILE     : 2007tbl\output\summer\alb02sum.out
DATABASE OUTPUT :
EMISSION TABLE : 2007tbl\output\summer\alb02sum.tbl
WITH FIELDNAMES :
AGGREGATED OUTPUT :
DATABASE EMISSIONS : 2222 2221 22
DATABASE VEHICLES : 22222 22222222 2 222 22222222 222

RUN DATA
EXPRESS HC AS VOC :
EXPAND BUS EFS    :
EXPAND LDT EFS    :
EXPAND HDDV EFS   :
EXPAND HDGV EFS   :
EXPAND EXHAUST    :
EXPAND EVAPORATIVE :

ANTI-TAMP PROG   :
84 84 50 22222 22222222 2 11 098 22212222
START DIST       : 2007tbl\nysparam\start\001sdist.d
REG DIST         : 2007tbl\nysparam\reg\02_UPreg.d

DIESEL FRACTIONS :
0.0015 0.0006 0.0006 0.0010 0.0011 0.0004 0.0006 0.0002 0.0002 0.0001
0.0004 0.0012 0.0005 0.0008 0.0002 0.0020 0.0041 0.0114 0.0186 0.0371
0.0543 0.0463 0.0294 0.0165 0.0028
0.0008 0.0011 0.0012 0.0030 0.0016 0.0025 0.0023 0.0034 0.0047 0.0038
0.0031 0.0040 0.0050 0.0052 0.0049 0.0066 0.0107 0.0151 0.0177 0.0289
0.0447 0.0299 0.0167 0.0039 0.0028
0.0008 0.0011 0.0012 0.0030 0.0016 0.0025 0.0023 0.0034 0.0047 0.0038
0.0031 0.0040 0.0050 0.0052 0.0049 0.0066 0.0107 0.0151 0.0177 0.0289
0.0448 0.0299 0.0167 0.0039 0.0028
0.0448 0.0540 0.0574 0.0767 0.0443 0.0839 0.0914 0.0759 0.0788 0.1006
0.0900 0.1047 0.0867 0.0635 0.0538 0.0662 0.0982 0.0914 0.0834 0.0984
0.0921 0.0111 0.0147 0.0048 0.0057
0.0448 0.0540 0.0574 0.0767 0.0443 0.0838 0.0914 0.0758 0.0788 0.1008
0.0901 0.1052 0.0867 0.0636 0.0537 0.0660 0.0982 0.0909 0.0831 0.0984
0.0926 0.0109 0.0149 0.0047 0.0057
0.1777 0.1605 0.1510 0.1841 0.1186 0.2033 0.1856 0.1685 0.1780 0.2169
0.1747 0.2100 0.1817 0.1221 0.0975 0.1167 0.1566 0.1200 0.0962 0.1225
0.1401 0.0241 0.0265 0.0127 0.0182
0.3574 0.3378 0.3407 0.3620 0.2766 0.2975 0.2716 0.2465 0.2451 0.2979
0.2742 0.2944 0.2416 0.1862 0.1549 0.1513 0.1830 0.1773 0.1188 0.1627
0.1162 0.1732 0.0655 0.0552 0.0682
0.6133 0.5641 0.5444 0.5767 0.3906 0.4759 0.5511 0.4712 0.4279 0.4463
0.4677 0.4660 0.3674 0.4356 0.2263 0.2269 0.2394 0.2122 0.2866 0.2177
0.2500 0.1485 0.1584 0.1150 0.1131
0.6734 0.6936 0.6462 0.6863 0.6197 0.6173 0.6536 0.6906 0.6229 0.6674
0.5882 0.6281 0.5383 0.4390 0.3557 0.3417 0.3627 0.3413 0.2972 0.3000
0.2794 0.3242 0.2531 0.1413 0.0821
0.9170 0.8877 0.8951 0.9116 0.8164 0.8615 0.8538 0.7817 0.8092 0.7818
0.7451 0.7203 0.7838 0.7106 0.6683 0.5933 0.6393 0.5367 0.6321 0.4785
0.5440 0.5000 0.4439 0.3529 0.2096
0.9622 0.9715 0.9405 0.9406 0.8890 0.8861 0.8711 0.8455 0.8680 0.8550

```

0.8793 0.8228 0.8056 0.7212 0.6671 0.6444 0.6248 0.6524 0.6104 0.5573
0.5400 0.6538 0.5470 0.3804 0.1771
0.9785 0.9794 0.9721 0.9487 0.9513 0.9446 0.9577 0.9295 0.9268 0.9356
0.9351 0.9438 0.9108 0.9093 0.8964 0.8939 0.8659 0.8938 0.8922 0.8755
0.8483 0.8800 0.8297 0.7613 0.5396
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.7093 0.8934 0.9056 0.8965 0.9071 0.8697 0.8761 0.8309 0.8881 0.9183
0.9180 0.9233 0.9038 0.8636 0.8541 0.8234 0.7661 0.5991 0.4641 0.4322
0.3508 0.2014 0.0356 0.0082 0.0115

MILE ACCUM RATE : 2007tbl\nysparam\im_mile\NY_Mile.d
VMT BY HOUR : 2007tbl\nysparam\hvmt\001_hvmt.def
SEASON : 1

HOURLY TEMPERATURES: 68.5 71.6 74.7 77.7 81.2 83.6 86.5 87.8 89.6 89.7 88.7 88.2
86.6 82.6 80.0 77.5 75.7 74.5 70.7 69.5 68.4 67.7 66.7 66.5

T2 EXH PHASE-IN : 2007tbl\nysparam\lev2\L2EXH.d
T2 EVAP PHASE-IN : 2007tbl\nysparam\lev2\L2EVAP.d
T2 CERT : 2007tbl\nysparam\lev2\L2CERT.d
94+ LDG IMP : 2007tbl\nysparam\lev2\LEV2.d
REBUILD EFFECTS : 0.05

SCENARIO RECORD : Scenario No.: 1; Summer 2002; FREEWAY ; Speed: 2.5 mph
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 86.6 79.4 71.9 67.2 61.8 57.8 53.0 51.1 47.7 48.3 50.0 51.2
54.6 61.8 67.7 73.1 75.6 78.9 76.0 80.5 84.0 86.0 88.6 87.5

BAROMETRIC PRES : 29.92
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 400
FUEL PROGRAM : 4
297.00 297.00 297.00 297.00 297.00 297.00 297.00 297.00
297.00 297.00 297.00 297.00 297.00 297.00 297.00 297.00
1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00
1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00

FUEL RVP : 8.3
GAS AROMATIC% : 28.0
GAS OLEFIN% : 12.1
GAS BENZENE% : 1.10
E200 : 45
E300 : 81
OXYGENATE : MTBE 1.74 1.00
: ETBE 0.00 0.00
: ETOH 0.00 0.00
: TAME 0.00 0.00
AVERAGE SPEED : 2.5 FREEWAY 100.0 0.0 0.0 0.0

END OF RUN

Sample Input File – Albany County, Summer 2006

```

MOBILE6 INPUT FILE :
*CMAQ Table Input File - Albany                For Year 2006, Summer

POLLUTANTS      : HC NOX CO
PARTICULATES    :
AIR TOXICS      :
REPORT FILE     : 2007tbl\output\summer\alb06sum.out
DATABASE OUTPUT :
EMISSION TABLE : 2007tbl\output\summer\alb06sum.tbl
WITH FIELDNAMES :
AGGREGATED OUTPUT :
DATABASE EMISSIONS : 2222 2221 22
DATABASE VEHICLES : 22222 22222222 2 222 22222222 222

RUN DATA
EXPRESS HC AS VOC :
EXPAND BUS EFS    :
EXPAND LDT EFS   :
EXPAND HDDV EFS  :
EXPAND HDGV EFS  :
EXPAND EXHAUST   :
EXPAND EVAPORATIVE :

ANTI-TAMP PROG   :
84 84 50 22222 22222222 2 11 098 22212222
I/M DESC FILE    : 2007tbl\nysparam\im_mile\UPimTEST.d
START DIST       : 2007tbl\nysparam\start\001sdist.d
REG DIST         : 2007tbl\nysparam\reg\06_UPreg.d

DIESEL FRACTIONS :
0.0002 0.0004 0.0004 0.0027 0.0026 0.0013 0.0011 0.0014 0.0017 0.0005
0.0008 0.0003 0.0002 0.0003 0.0008 0.0028 0.0014 0.0017 0.0001 0.0072
0.0090 0.0239 0.0343 0.0693 0.0081
0.0010 0.0007 0.0008 0.0025 0.0016 0.0016 0.0016 0.0034 0.0021 0.0038
0.0033 0.0043 0.0054 0.0050 0.0057 0.0078 0.0094 0.0105 0.0099 0.0158
0.0256 0.0329 0.0341 0.0490 0.0116
0.0010 0.0007 0.0008 0.0025 0.0016 0.0016 0.0016 0.0034 0.0021 0.0038
0.0033 0.0043 0.0054 0.0050 0.0057 0.0078 0.0094 0.0105 0.0100 0.0158
0.0256 0.0329 0.0340 0.0488 0.0116
0.0666 0.0535 0.0542 0.0717 0.0773 0.0893 0.0871 0.1149 0.0600 0.1208
0.1346 0.1094 0.1123 0.1403 0.1208 0.1306 0.1321 0.0903 0.0845 0.1036
0.1247 0.1125 0.0965 0.0967 0.0151
0.0666 0.0535 0.0542 0.0717 0.0773 0.0894 0.0871 0.1150 0.0600 0.1207
0.1345 0.1093 0.1123 0.1407 0.1206 0.1306 0.1315 0.0903 0.0846 0.1029
0.1243 0.1116 0.0956 0.0938 0.0152
0.2999 0.2415 0.2223 0.2271 0.2066 0.1856 0.1819 0.2259 0.1537 0.2363
0.2109 0.2211 0.2177 0.2476 0.2302 0.2049 0.2084 0.1507 0.1051 0.1276
0.1682 0.1344 0.0913 0.1212 0.0348
0.5743 0.4211 0.3556 0.4106 0.3525 0.3605 0.3666 0.3755 0.2823 0.3240
0.2866 0.2750 0.2787 0.3224 0.2824 0.3147 0.2984 0.2221 0.1852 0.1736
0.1844 0.1557 0.1518 0.2294 0.1007
0.7455 0.6932 0.6367 0.5028 0.5811 0.5630 0.5375 0.5555 0.4175 0.5049
0.6032 0.4890 0.4467 0.5121 0.5030 0.4942 0.4228 0.4700 0.2773 0.2222
0.2764 0.2944 0.3451 0.2771 0.1641
0.7630 0.7036 0.6554 0.6064 0.6475 0.7018 0.6652 0.6915 0.6261 0.6505
0.7253 0.7095 0.6441 0.6453 0.6090 0.6693 0.5564 0.5215 0.3993 0.3697
0.4354 0.3966 0.3250 0.3063 0.1424
0.9165 0.8563 0.8167 0.8478 0.9290 0.8805 0.8951 0.8922 0.8468 0.8730
0.8618 0.7971 0.8317 0.7748 0.7969 0.7203 0.8333 0.7543 0.6987 0.6486
0.6880 0.5891 0.6710 0.5455 0.2920

```

0.9796 0.9690 0.9601 0.9566 0.8987 0.9722 0.9315 0.9325 0.8932 0.8927
0.8929 0.8671 0.8972 0.8656 0.8849 0.8443 0.8010 0.7368 0.6982 0.6667
0.6398 0.6804 0.6522 0.5900 0.2723
0.9917 0.9867 0.9844 0.9889 0.9737 0.9821 0.9735 0.9505 0.9606 0.9447
0.9583 0.9399 0.9337 0.9406 0.9509 0.9512 0.9294 0.9288 0.9172 0.9179
0.8875 0.9082 0.9147 0.8889 0.6154
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9022 0.8733 0.9032 0.9028 0.8941 0.9110 0.9024 0.9049 0.9100 0.8941
0.9005 0.8441 0.9133 0.9263 0.9223 0.9015 0.8970 0.8741 0.8621 0.8349
0.7868 0.6030 0.4725 0.4368 0.0359

MILE ACCUM RATE : 2007tbl\nysparam\im_mile\NY_Mile.d
VMT BY HOUR : 2007tbl\nysparam\hvmt\001_hvmt.def
SEASON : 1

HOURLY TEMPERATURES: 68.5 71.6 74.7 77.7 81.2 83.6 86.5 87.8 89.6 89.7 88.7 88.2
86.6 82.6 80.0 77.5 75.7 74.5 70.7 69.5 68.4 67.7 66.7 66.5

T2 EXH PHASE-IN : 2007tbl\nysparam\lev2\L2EXH.d
T2 EVAP PHASE-IN : 2007tbl\nysparam\lev2\L2EVAP.d
T2 CERT : 2007tbl\nysparam\lev2\L2CERT.d
94+ LDG IMP : 2007tbl\nysparam\lev2\LEV2.d
REBUILD EFFECTS : 0.05

SCENARIO RECORD : Scenario No.: 1; Summer 2006; FREEWAY ; Speed: 2.5 mph
CALENDAR YEAR : 2006
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 86.6 79.4 71.9 67.2 61.8 57.8 53.0 51.1 47.7 48.3 50.0 51.2
54.6 61.8 67.7 73.1 75.6 78.9 76.0 80.5 84.0 86.0 88.6 87.5

BAROMETRIC PRES : 29.92
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 15
FUEL PROGRAM : 4
30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00
30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00
87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00
87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00

FUEL RVP : 8.3
GAS AROMATIC% : 28.0
GAS OLEFIN% : 12.0
GAS BENZENE% : 1.10
E200 : 46
E300 : 81
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 0.00 0.00
: TAME 0.00 0.00

AVERAGE SPEED : 2.5 FREEWAY 100.0 0.0 0.0 0.0

END OF RUN

Sample Input File – Suffolk County, Summer 2002

MOBILE6 INPUT FILE :
*CMAQ Table Input File - Suffolk For Year 2002 - 2002, Summer

POLLUTANTS : HC NOX CO
PARTICULATES :
AIR TOXICS :
REPORT FILE : 2007tbl\output\summer\suf02sum.out
DATABASE OUTPUT :
EMISSION TABLE : 2007tbl\output\summer\suf02sum.tbl
WITH FIELDNAMES :
AGGREGATED OUTPUT :
DATABASE EMISSIONS : 2222 2221 22
DATABASE VEHICLES : 22222 22222222 2 222 22222222 222

RUN DATA
EXPRESS HC AS VOC :
EXPAND BUS EFS :
EXPAND LDT EFS :
EXPAND HDDV EFS :
EXPAND HDGV EFS :
EXPAND EXHAUST :
EXPAND EVAPORATIVE :

STAGE II REFUELING :
89 1 77 77

ANTI-TAMP PROG :
84 84 50 22222 22222222 2 11 098 22212222
I/M DESC FILE : 2007tbl\nysparam\im_mile\noOBD.d
START DIST : 2007tbl\nysparam\start\l03sdist.d
REG DIST : 2007tbl\nysparam\reg\02_NYreg.d

DIESEL FRACTIONS :
0.0004 0.0002 0.0003 0.0011 0.0009 0.0005 0.0005 0.0005 0.0002 0.0004
0.0006 0.0010 0.0005 0.0003 0.0002 0.0040 0.0033 0.0183 0.0352 0.0636
0.0918 0.0800 0.0558 0.0325 0.0045
0.0017 0.0035 0.0066 0.0100 0.0078 0.0069 0.0047 0.0074 0.0088 0.0110
0.0081 0.0083 0.0084 0.0064 0.0068 0.0109 0.0086 0.0183 0.0236 0.0348
0.0475 0.0443 0.0365 0.0140 0.0030
0.0017 0.0035 0.0066 0.0100 0.0078 0.0069 0.0047 0.0074 0.0088 0.0110
0.0081 0.0083 0.0084 0.0064 0.0068 0.0109 0.0086 0.0183 0.0235 0.0348
0.0475 0.0443 0.0364 0.0140 0.0030
0.0371 0.0413 0.0576 0.0496 0.0485 0.0666 0.0569 0.0613 0.0681 0.0682
0.0655 0.0721 0.0774 0.0576 0.0545 0.0635 0.0752 0.0689 0.1116 0.1054
0.0825 0.0380 0.0222 0.0035 0.0043
0.0371 0.0413 0.0576 0.0496 0.0485 0.0666 0.0569 0.0613 0.0681 0.0682
0.0655 0.0721 0.0774 0.0576 0.0547 0.0634 0.0752 0.0689 0.1115 0.1056
0.0817 0.0372 0.0224 0.0035 0.0043
0.1388 0.1125 0.1146 0.1410 0.1065 0.1433 0.1471 0.1714 0.1804 0.1878
0.1959 0.1659 0.1381 0.1556 0.1233 0.1385 0.1238 0.0880 0.1146 0.1501
0.1367 0.0655 0.0368 0.0170 0.0050
0.3539 0.3886 0.4016 0.4444 0.4214 0.4249 0.4216 0.3837 0.4354 0.4177
0.4516 0.3891 0.3722 0.3051 0.2482 0.2720 0.2274 0.1959 0.3168 0.1814
0.2402 0.3237 0.0952 0.1077 0.0596
0.7373 0.7215 0.6996 0.6752 0.6969 0.6555 0.7700 0.6629 0.5736 0.6067
0.5978 0.4406 0.4670 0.3643 0.2517 0.2995 0.3503 0.1818 0.3947 0.3800
0.3509 0.2642 0.0167 0.0638 0.0439
0.8603 0.8795 0.8293 0.8295 0.8141 0.7997 0.8316 0.7597 0.7504 0.7031
0.6815 0.6695 0.5302 0.5520 0.4387 0.3997 0.3230 0.4051 0.3978 0.4023
0.3158 0.4786 0.3000 0.1533 0.0700

0.9309 0.9164 0.8897 0.9108 0.8489 0.7971 0.8075 0.7628 0.8030 0.7958
0.7642 0.8420 0.7074 0.7470 0.6381 0.7189 0.6323 0.7029 0.6600 0.6923
0.7156 0.7143 0.3806 0.6544 0.1018
0.9615 0.9572 0.9326 0.9382 0.9214 0.8364 0.8822 0.8709 0.8830 0.9105
0.8176 0.8139 0.8327 0.7612 0.7470 0.7697 0.7795 0.7507 0.7028 0.6103
0.7368 0.5432 0.6053 0.4539 0.1779
0.9758 0.9705 0.9333 0.9463 0.9173 0.9345 0.9120 0.9305 0.8827 0.9065
0.8910 0.8470 0.8859 0.8989 0.8706 0.8537 0.8879 0.8868 0.8776 0.8729
0.8856 0.8626 0.9082 0.7754 0.4123
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.6445 0.8078 0.8927 0.8734 0.8101 0.7677 0.7431 0.8156 0.7558 0.7714
0.8490 0.8105 0.8031 0.7651 0.6990 0.5625 0.5734 0.5369 0.3527 0.3056
0.4384 0.3375 0.1548 0.0291 0.0008

MILE ACCUM RATE : 2007tbl\nysparam\im_mile\NY_Mile.d
VMT BY HOUR : 2007tbl\nysparam\hvmt\103_hvmt.def
SEASON : 1

HOURLY TEMPERATURES: 71.3 75.7 79.7 82.7 86.1 86.9 88.3 88.4 87.2 86.2 84.4 81.9
80.1 78.1 76.2 76.1 75.1 74.7 72.6 72.2 71.5 70.8 69.6 69.3

T2 EXH PHASE-IN : 2007tbl\nysparam\lev2\L2EXH.d
T2 EVAP PHASE-IN : 2007tbl\nysparam\lev2\L2EVAP.d
T2 CERT : 2007tbl\nysparam\lev2\L2CERT.d
94+ LDG IMP : 2007tbl\nysparam\lev2\LEV2.d
REBUILD EFFECTS : 0.05

SCENARIO RECORD : Scenario No.: 1; Summer 2002; FREEWAY ; Speed: 2.5 mph
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 88.7 81.2 70.6 63.9 55.3 54.4 52.4 54.6 55.4 57.6 62.0 67.9
69.6 75.4 78.1 79.6 82.7 84.6 87.1 87.2 87.9 88.6 91.9 92.6

BAROMETRIC PRES : 29.92
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 400
FUEL PROGRAM : 4
85.00 85.00 85.00 85.00 85.00 85.00 85.00 85.00
85.00 85.00 85.00 85.00 85.00 85.00 85.00 85.00
1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00
1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00

FUEL RVP : 6.8
GAS AROMATIC% : 21.6
GAS OLEFIN% : 12.7
GAS BENZENE% : 0.70
E200 : 47
E300 : 84
OXYGENATE : MTBE 10.40 0.98
: ETBE 0.00 0.00
: ETOH 0.00 0.00
: TAME 1.01 0.02
AVERAGE SPEED : 2.5 FREEWAY 100.0 0.0 0.0 0.0

END OF RUN

Sample Input File – Suffolk County, Summer 2006

```

MOBILE6 INPUT FILE :
*CMAQ Table Input File - Suffolk           For Year 2006, Summer

POLLUTANTS           : HC NOX CO
PARTICULATES        :
AIR TOXICS           :
REPORT FILE          : 2007tbl\output\summer\suf06sum.out
DATABASE OUTPUT      :
EMISSION TABLE      : 2007tbl\output\summer\suf06sum.tbl
WITH FIELDNAMES      :
AGGREGATED OUTPUT    :
DATABASE EMISSIONS   : 2222 2221 22
DATABASE VEHICLES    : 22222 22222222 2 222 22222222 222

RUN DATA
EXPRESS HC AS VOC   :
EXPAND BUS EFS      :
EXPAND LDT EFS      :
EXPAND HDDV EFS     :
EXPAND HDGV EFS     :
EXPAND EXHAUST      :
EXPAND EVAPORATIVE  :

STAGE II REFUELING  :
89 1 77 77

ANTI-TAMP PROG      :
84 84 50 22222 22222222 2 11 098 22212222
I/M DESC FILE       : 2007tbl\nysparam\im_mile\NYimTEST.d
START DIST          : 2007tbl\nysparam\start\103sdist.d
REG DIST            : 2007tbl\nysparam\reg\06_NYreg.d

DIESEL FRACTIONS    :
0.0001 0.0004 0.0002 0.0007 0.0015 0.0005 0.0007 0.0016 0.0014 0.0008
0.0010 0.0011 0.0003 0.0008 0.0014 0.0028 0.0012 0.0008 0.0006 0.0159
0.0103 0.0490 0.0725 0.1282 0.0173
0.0039 0.0037 0.0030 0.0042 0.0066 0.0054 0.0082 0.0100 0.0082 0.0081
0.0067 0.0091 0.0115 0.0139 0.0111 0.0121 0.0152 0.0134 0.0136 0.0220
0.0245 0.0466 0.0503 0.0601 0.0148
0.0039 0.0037 0.0030 0.0042 0.0066 0.0054 0.0082 0.0100 0.0082 0.0081
0.0067 0.0091 0.0115 0.0139 0.0111 0.0121 0.0152 0.0134 0.0136 0.0220
0.0246 0.0466 0.0503 0.0602 0.0148
0.0383 0.0465 0.0407 0.0539 0.0782 0.0874 0.1040 0.0942 0.0785 0.1151
0.1026 0.1100 0.1310 0.1330 0.1186 0.1434 0.1558 0.1405 0.1159 0.1441
0.1391 0.1167 0.1514 0.1272 0.0144
0.0383 0.0465 0.0407 0.0539 0.0783 0.0874 0.1040 0.0942 0.0784 0.1152
0.1025 0.1101 0.1308 0.1329 0.1184 0.1427 0.1554 0.1402 0.1157 0.1440
0.1379 0.1180 0.1508 0.1269 0.0144
0.2026 0.1889 0.1624 0.1606 0.1817 0.1517 0.1604 0.1991 0.1705 0.2212
0.1918 0.2401 0.2502 0.2508 0.2940 0.2596 0.2052 0.2133 0.1821 0.1704
0.1680 0.0957 0.0836 0.1203 0.0375
0.4886 0.3895 0.3471 0.3384 0.4125 0.4497 0.4818 0.5032 0.4988 0.5160
0.5224 0.4908 0.5195 0.5280 0.5432 0.5421 0.5000 0.4053 0.3360 0.3936
0.2987 0.2200 0.3516 0.1678 0.1362
0.8550 0.7841 0.7832 0.7708 0.7510 0.8053 0.7996 0.7871 0.8100 0.8124
0.8605 0.8242 0.7280 0.7684 0.7344 0.5756 0.5207 0.4903 0.2727 0.3873
0.3647 0.1818 0.3947 0.2188 0.0874
0.9003 0.8607 0.8657 0.8645 0.8992 0.9245 0.9057 0.9340 0.9107 0.9076
0.9141 0.9246 0.8518 0.8620 0.8750 0.8065 0.6482 0.6692 0.4482 0.4086
0.3188 0.4305 0.3700 0.4444 0.1647

```

0.9077 0.9477 0.9220 0.9468 0.9559 0.9593 0.9461 0.9683 0.9335 0.9114
0.9327 0.8745 0.9286 0.8949 0.8880 0.9006 0.8489 0.7833 0.7818 0.8094
0.6800 0.7200 0.7337 0.7241 0.2168
0.9851 0.9802 0.9851 0.9838 0.9752 0.9737 0.9746 0.9759 0.9821 0.9051
0.9536 0.9607 0.9408 0.9647 0.9220 0.9165 0.9235 0.8627 0.8608 0.8151
0.8241 0.8000 0.7660 0.6634 0.2775
0.9921 0.9862 0.9851 0.9719 0.9855 0.9804 0.9773 0.9752 0.9801 0.9692
0.9608 0.9667 0.9497 0.9449 0.9450 0.9050 0.9606 0.9597 0.9426 0.8879
0.9341 0.9469 0.9211 0.8534 0.4996
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.8625 0.7539 0.8330 0.8571 0.8768 0.8756 0.9144 0.8807 0.8245 0.8436
0.8278 0.8618 0.8249 0.8014 0.9072 0.8638 0.8383 0.8020 0.6097 0.5820
0.5553 0.4167 0.2581 0.2554 0.0271

MILE ACCUM RATE : 2007tbl\nysparam\im_mile\NY_Mile.d
VMT BY HOUR : 2007tbl\nysparam\hvmt\103_hvmt.def
SEASON : 1

HOURLY TEMPERATURES: 71.3 75.7 79.7 82.7 86.1 86.9 88.3 88.4 87.2 86.2 84.4 81.9
80.1 78.1 76.2 76.1 75.1 74.7 72.6 72.2 71.5 70.8 69.6 69.3

T2 EXH PHASE-IN : 2007tbl\nysparam\lev2\L2EXH.d
T2 EVAP PHASE-IN : 2007tbl\nysparam\lev2\L2EVAP.d
T2 CERT : 2007tbl\nysparam\lev2\L2CERT.d
94+ LDG IMP : 2007tbl\nysparam\lev2\LEV2.d
REBUILD EFFECTS : 0.05

SCENARIO RECORD : Scenario No.: 1; Summer 2006; FREEWAY ; Speed: 2.5 mph
CALENDAR YEAR : 2006
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 88.7 81.2 70.6 63.9 55.3 54.4 52.4 54.6 55.4 57.6 62.0 67.9
69.6 75.4 78.1 79.6 82.7 84.6 87.1 87.2 87.9 88.6 91.9 92.6

BAROMETRIC PRES : 29.92
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 15
FUEL PROGRAM : 4
30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00
30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00
87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00
87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00

FUEL RVP : 6.8
GAS AROMATIC% : 22.0
GAS OLEFIN% : 13.0
GAS BENZENE% : 0.65
E200 : 47
E300 : 84
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
AVERAGE SPEED : 2.5 FREEWAY 100.0 0.0 0.0 0.0

END OF RUN

Sample Input File – Dutchess County, Summer 2002

```

MOBILE6 INPUT FILE :
*CMAQ Table Input File - Dutchess          For Year 2002 - 2002, Summer

POLLUTANTS           : HC NOX CO
PARTICULATES        :
AIR TOXICS           :
REPORT FILE          : 2007tbl\output\summer\dut02sum.out
DATABASE OUTPUT      :
EMISSION TABLE      : 2007tbl\output\summer\dut02sum.tbl
WITH FIELDNAMES      :
AGGREGATED OUTPUT    :
DATABASE EMISSIONS   : 2222 2221 22
DATABASE VEHICLES    : 22222 22222222 2 222 22222222 222

RUN DATA
EXPRESS HC AS VOC   :
EXPAND BUS EFS      :
EXPAND LDT EFS      :
EXPAND HDDV EFS     :
EXPAND HDGV EFS     :
EXPAND EXHAUST      :
EXPAND EVAPORATIVE :

ANTI-TAMP PROG      :
84 84 50 22222 22222222 2 11 098 22212222
START DIST          : 2007tbl\nysparam\start\027sdist.d
REG DIST            : 2007tbl\nysparam\reg\02_UPreg.d

DIESEL FRACTIONS    :
0.0015 0.0006 0.0006 0.0010 0.0011 0.0004 0.0006 0.0002 0.0002 0.0001
0.0004 0.0012 0.0005 0.0008 0.0002 0.0020 0.0041 0.0114 0.0186 0.0371
0.0543 0.0463 0.0294 0.0165 0.0028
0.0008 0.0011 0.0012 0.0030 0.0016 0.0025 0.0023 0.0034 0.0047 0.0038
0.0031 0.0040 0.0050 0.0052 0.0049 0.0066 0.0107 0.0151 0.0177 0.0289
0.0447 0.0299 0.0167 0.0039 0.0028
0.0008 0.0011 0.0012 0.0030 0.0016 0.0025 0.0023 0.0034 0.0047 0.0038
0.0031 0.0040 0.0050 0.0052 0.0049 0.0066 0.0107 0.0151 0.0177 0.0289
0.0448 0.0299 0.0167 0.0039 0.0028
0.0448 0.0540 0.0574 0.0767 0.0443 0.0839 0.0914 0.0759 0.0788 0.1006
0.0900 0.1047 0.0867 0.0635 0.0538 0.0662 0.0982 0.0914 0.0834 0.0984
0.0921 0.0111 0.0147 0.0048 0.0057
0.0448 0.0540 0.0574 0.0767 0.0443 0.0838 0.0914 0.0758 0.0788 0.1008
0.0901 0.1052 0.0867 0.0636 0.0537 0.0660 0.0982 0.0909 0.0831 0.0984
0.0926 0.0109 0.0149 0.0047 0.0057
0.1777 0.1605 0.1510 0.1841 0.1186 0.2033 0.1856 0.1685 0.1780 0.2169
0.1747 0.2100 0.1817 0.1221 0.0975 0.1167 0.1566 0.1200 0.0962 0.1225
0.1401 0.0241 0.0265 0.0127 0.0182
0.3574 0.3378 0.3407 0.3620 0.2766 0.2975 0.2716 0.2465 0.2451 0.2979
0.2742 0.2944 0.2416 0.1862 0.1549 0.1513 0.1830 0.1773 0.1188 0.1627
0.1162 0.1732 0.0655 0.0552 0.0682
0.6133 0.5641 0.5444 0.5767 0.3906 0.4759 0.5511 0.4712 0.4279 0.4463
0.4677 0.4660 0.3674 0.4356 0.2263 0.2269 0.2394 0.2122 0.2866 0.2177
0.2500 0.1485 0.1584 0.1150 0.1131
0.6734 0.6936 0.6462 0.6863 0.6197 0.6173 0.6536 0.6906 0.6229 0.6674
0.5882 0.6281 0.5383 0.4390 0.3557 0.3417 0.3627 0.3413 0.2972 0.3000
0.2794 0.3242 0.2531 0.1413 0.0821
0.9170 0.8877 0.8951 0.9116 0.8164 0.8615 0.8538 0.7817 0.8092 0.7818
0.7451 0.7203 0.7838 0.7106 0.6683 0.5933 0.6393 0.5367 0.6321 0.4785
0.5440 0.5000 0.4439 0.3529 0.2096
0.9622 0.9715 0.9405 0.9406 0.8890 0.8861 0.8711 0.8455 0.8680 0.8550
    
```

0.8793 0.8228 0.8056 0.7212 0.6671 0.6444 0.6248 0.6524 0.6104 0.5573
0.5400 0.6538 0.5470 0.3804 0.1771
0.9785 0.9794 0.9721 0.9487 0.9513 0.9446 0.9577 0.9295 0.9268 0.9356
0.9351 0.9438 0.9108 0.9093 0.8964 0.8939 0.8659 0.8938 0.8922 0.8755
0.8483 0.8800 0.8297 0.7613 0.5396
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.7093 0.8934 0.9056 0.8965 0.9071 0.8697 0.8761 0.8309 0.8881 0.9183
0.9180 0.9233 0.9038 0.8636 0.8541 0.8234 0.7661 0.5991 0.4641 0.4322
0.3508 0.2014 0.0356 0.0082 0.0115

MILE ACCUM RATE : 2007tbl\nysparam\im_mile\NY_Mile.d
VMT BY HOUR : 2007tbl\nysparam\hvmt\027_hvmt.def
SEASON : 1

HOURLY TEMPERATURES: 67.0 69.8 74.1 78.3 81.9 84.0 86.9 88.6 89.8 89.6 89.3 87.5
84.5 80.8 78.8 77.4 75.8 74.7 70.0 68.6 67.0 66.3 65.2 65.5

T2 EXH PHASE-IN : 2007tbl\nysparam\lev2\L2EXH.d
T2 EVAP PHASE-IN : 2007tbl\nysparam\lev2\L2EVAP.d
T2 CERT : 2007tbl\nysparam\lev2\L2CERT.d
94+ LDG IMP : 2007tbl\nysparam\lev2\LEV2.d
REBUILD EFFECTS : 0.05

SCENARIO RECORD : Scenario No.: 1; Summer 2002; FREEWAY ; Speed: 2.5 mph
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 85.7 83.3 73.6 65.3 57.7 53.6 48.6 44.8 45.2 46.2 47.0 51.5
58.8 65.8 70.5 71.7 76.3 79.4 77.0 80.2 84.0 85.6 87.0 88.4

BAROMETRIC PRES : 29.92
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 400
FUEL PROGRAM : 4
85.00 85.00 85.00 85.00 85.00 85.00 85.00 85.00
85.00 85.00 85.00 85.00 85.00 85.00 85.00 85.00
1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00
1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00 1000.00

FUEL RVP : 6.8
GAS AROMATIC% : 21.6
GAS OLEFIN% : 12.7
GAS BENZENE% : 0.70
E200 : 47
E300 : 84
OXYGENATE : MTBE 10.40 0.98
: ETBE 0.00 0.00
: ETOH 0.00 0.00
: TAME 1.01 0.02
AVERAGE SPEED : 2.5 FREEWAY 100.0 0.0 0.0 0.0

END OF RUN

Sample Input File – Dutchess County, Summer 2006

MOBILE6 INPUT FILE :
 *CMAQ Table Input File - Dutchess For Year 2006, Summer

POLLUTANTS : HC NOX CO
 PARTICULATES :
 AIR TOXICS :
 REPORT FILE : 2007tbl\output\summer\dut06sum.out
 DATABASE OUTPUT :
 EMISSION TABLE : 2007tbl\output\summer\dut06sum.tbl
 WITH FIELDNAMES :
 AGGREGATED OUTPUT :
 DATABASE EMISSIONS : 2222 2221 22
 DATABASE VEHICLES : 22222 22222222 2 222 22222222 222

RUN DATA
 EXPRESS HC AS VOC :
 EXPAND BUS EFS :
 EXPAND LDT EFS :
 EXPAND HDDV EFS :
 EXPAND HDGV EFS :
 EXPAND EXHAUST :
 EXPAND EVAPORATIVE :

ANTI-TAMP PROG :
 84 84 50 22222 22222222 2 11 098 22212222
 I/M DESC FILE : 2007tbl\nysparam\im_mile\UPimTEST.d
 START DIST : 2007tbl\nysparam\start\027sdist.d
 REG DIST : 2007tbl\nysparam\reg\06_UPreg.d

DIESEL FRACTIONS :
 0.0002 0.0004 0.0004 0.0027 0.0026 0.0013 0.0011 0.0014 0.0017 0.0005
 0.0008 0.0003 0.0002 0.0003 0.0008 0.0028 0.0014 0.0017 0.0001 0.0072
 0.0090 0.0239 0.0343 0.0693 0.0081
 0.0010 0.0007 0.0008 0.0025 0.0016 0.0016 0.0016 0.0034 0.0021 0.0038
 0.0033 0.0043 0.0054 0.0050 0.0057 0.0078 0.0094 0.0105 0.0099 0.0158
 0.0256 0.0329 0.0341 0.0490 0.0116
 0.0010 0.0007 0.0008 0.0025 0.0016 0.0016 0.0016 0.0034 0.0021 0.0038
 0.0033 0.0043 0.0054 0.0050 0.0057 0.0078 0.0094 0.0105 0.0100 0.0158
 0.0256 0.0329 0.0340 0.0488 0.0116
 0.0666 0.0535 0.0542 0.0717 0.0773 0.0893 0.0871 0.1149 0.0600 0.1208
 0.1346 0.1094 0.1123 0.1403 0.1208 0.1306 0.1321 0.0903 0.0845 0.1036
 0.1247 0.1125 0.0965 0.0967 0.0151
 0.0666 0.0535 0.0542 0.0717 0.0773 0.0894 0.0871 0.1150 0.0600 0.1207
 0.1345 0.1093 0.1123 0.1407 0.1206 0.1306 0.1315 0.0903 0.0846 0.1029
 0.1243 0.1116 0.0956 0.0938 0.0152
 0.2999 0.2415 0.2223 0.2271 0.2066 0.1856 0.1819 0.2259 0.1537 0.2363
 0.2109 0.2211 0.2177 0.2476 0.2302 0.2049 0.2084 0.1507 0.1051 0.1276
 0.1682 0.1344 0.0913 0.1212 0.0348
 0.5743 0.4211 0.3556 0.4106 0.3525 0.3605 0.3666 0.3755 0.2823 0.3240
 0.2866 0.2750 0.2787 0.3224 0.2824 0.3147 0.2984 0.2221 0.1852 0.1736
 0.1844 0.1557 0.1518 0.2294 0.1007
 0.7455 0.6932 0.6367 0.5028 0.5811 0.5630 0.5375 0.5555 0.4175 0.5049
 0.6032 0.4890 0.4467 0.5121 0.5030 0.4942 0.4228 0.4700 0.2773 0.2222
 0.2764 0.2944 0.3451 0.2771 0.1641
 0.7630 0.7036 0.6554 0.6064 0.6475 0.7018 0.6652 0.6915 0.6261 0.6505
 0.7253 0.7095 0.6441 0.6453 0.6090 0.6693 0.5564 0.5215 0.3993 0.3697
 0.4354 0.3966 0.3250 0.3063 0.1424
 0.9165 0.8563 0.8167 0.8478 0.9290 0.8805 0.8951 0.8922 0.8468 0.8730
 0.8618 0.7971 0.8317 0.7748 0.7969 0.7203 0.8333 0.7543 0.6987 0.6486
 0.6880 0.5891 0.6710 0.5455 0.2920

0.9796 0.9690 0.9601 0.9566 0.8987 0.9722 0.9315 0.9325 0.8932 0.8927
0.8929 0.8671 0.8972 0.8656 0.8849 0.8443 0.8010 0.7368 0.6982 0.6667
0.6398 0.6804 0.6522 0.5900 0.2723
0.9917 0.9867 0.9844 0.9889 0.9737 0.9821 0.9735 0.9505 0.9606 0.9447
0.9583 0.9399 0.9337 0.9406 0.9509 0.9512 0.9294 0.9288 0.9172 0.9179
0.8875 0.9082 0.9147 0.8889 0.6154
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9022 0.8733 0.9032 0.9028 0.8941 0.9110 0.9024 0.9049 0.9100 0.8941
0.9005 0.8441 0.9133 0.9263 0.9223 0.9015 0.8970 0.8741 0.8621 0.8349
0.7868 0.6030 0.4725 0.4368 0.0359

MILE ACCUM RATE : 2007tbl\nysparam\im_mile\NY_Mile.d
VMT BY HOUR : 2007tbl\nysparam\hvmt\027_hvmt.def
SEASON : 1

HOURLY TEMPERATURES: 67.0 69.8 74.1 78.3 81.9 84.0 86.9 88.6 89.8 89.6 89.3 87.5
84.5 80.8 78.8 77.4 75.8 74.7 70.0 68.6 67.0 66.3 65.2 65.5

T2 EXH PHASE-IN : 2007tbl\nysparam\lev2\L2EXH.d
T2 EVAP PHASE-IN : 2007tbl\nysparam\lev2\L2EVAP.d
T2 CERT : 2007tbl\nysparam\lev2\L2CERT.d
94+ LDG IMP : 2007tbl\nysparam\lev2\LEV2.d
REBUILD EFFECTS : 0.05

SCENARIO RECORD : Scenario No.: 1; Summer 2006; FREEWAY ; Speed: 2.5 mph
CALENDAR YEAR : 2006
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 85.7 83.3 73.6 65.3 57.7 53.6 48.6 44.8 45.2 46.2 47.0 51.5
58.8 65.8 70.5 71.7 76.3 79.4 77.0 80.2 84.0 85.6 87.0 88.4

BAROMETRIC PRES : 29.92
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 15
FUEL PROGRAM : 4
30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00
30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00
87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00
87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00 87.00

FUEL RVP : 6.8
GAS AROMATIC% : 22.0
GAS OLEFIN% : 13.0
GAS BENZENE% : 0.65
E200 : 47
E300 : 84
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
AVERAGE SPEED : 2.5 FREEWAY 100.0 0.0 0.0 0.0

END OF RUN