

Appendix 10

Mobile Input and Output Files

MOBILE Input and Output Files

Following are 3 examples of input files to run MOBILE6, one for Harris County, one for an urban county (Galveston) and the other one for a rural county (Liberty). These examples are for the year 2009. The rural counties differ from the urban counties because they do not have I/M requirements. The urban counties are: Brazoria, Fort Bend, Galveston, and Montgomery. The rural counties are: Chambers, Liberty and Waller. Also attached, we have included an example of vmt by facility, vmt by speed and a part of an output file. Please note that the format of all input and output files have been modified in order to fit the page size limitation.

To view all the input and output files, please refer to the conformity CD-ROM.

2009 Harris County input to POLFAC63_3

MOBILE6 INPUT FILE :

> 30aug2009harr Wednesday
> RATE FORMAT : 3

RUN DATA :
EXPRESS HC AS VOC :
NO REFUELING :
REG DIST : D:\Mid09CON\MOB6in\ext\hgbrgd\harr08.rgd
WE DA TRI LEN DI : D:\Mid09CON\MOB6in\ext\HG09.tld
VMT BY HOUR : D:\Mid09CON\TRANSVMT\IB\eb\2009\harr09wk.vhr

* Statewide Diesel Sales Fractions Estimates - 2009
* HDV fractions are estimated from TxDOT registration data (Mid-year July 2008)
* LDV, LDT and Bus fractions are MOBILE6 defaults
* One record per vehicle type. The order of vehicle types is: LDV, LDT1, LDT2, LDT3, LDT4, HDV2B, HDV3, HDV4, HDV5, HDV6, HDV7, HDV8a, HDV8b, HDV8c

DIESEL FRACTIONS :
0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00060
0.00010 0.00030 0.00060 0.00130 0.00040 0.00040 0.00010 0.00270 0.00320 0.00970
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00070 0.00330 0.00480
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00070 0.00330 0.00480
0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01150
0.01110 0.01450 0.01150 0.01290 0.00960 0.00830 0.00720 0.00820 0.00820 0.01240 0.01240 0.01350
0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01150
0.01110 0.01450 0.01150 0.01290 0.00960 0.00830 0.00720 0.00820 0.01240 0.01350
0.70322 0.70322 0.78104 0.77701 0.81682 0.81511 0.76617 0.73412 0.69588 0.56999 0.61149 0.50315 0.43662 0.43485 0.21653
0.38548 0.37156 0.34646 0.35309 0.30994 0.27199 0.19841 0.15719 0.17719 0.16390
0.74662 0.74662 0.76231 0.77903 0.69612 0.67721 0.64307 0.63080 0.63362 0.64799 0.60707 0.47338 0.55825 0.52783 0.34291
0.53182 0.52291 0.57774 0.45914 0.57234 0.48033 0.40374 0.27124 0.29474 0.20900
0.73586 0.73586 0.81109 0.85643 0.81755 0.76618 0.72768 0.68040 0.69225 0.72295 0.64021 0.69839 0.74090 0.63828 0.42593
0.64985 0.62319 0.61650 0.69008 0.54545 0.66507 0.22222 0.23485 0.07071 0.09551
0.92575 0.92575 0.95141 0.90925 0.89474 0.87500 0.86012 0.87187 0.85993 0.88254 0.85745 0.67610 0.71290 0.78273 0.50820
0.65254 0.67943 0.60494 0.77816 0.64437 0.60662 0.39063 0.34706 0.20000 0.26882
0.93032 0.93032 0.96050 0.90586 0.90150 0.92612 0.90040 0.89068 0.90190 0.86905 0.84467 0.81289 0.80214 0.81021 0.61876
0.79980 0.77519 0.63392 0.67824 0.74766 0.75401 0.60082 0.72383 0.55579 0.44589
0.94107 0.94107 0.97920 0.92161 0.95933 0.95374 0.97698 0.91315 0.92151 0.92472 0.91502 0.86901 0.79577 0.82879 0.60778
0.85789 0.88491 0.86417 0.88006 0.86066 0.89568 0.81509 0.84942 0.71831 0.79909
0.98712 0.98712 0.99475 0.97008 0.97429 0.94836 0.96204 0.94725 0.94588 0.94226 0.95460 0.94282 0.90690 0.92136 0.80184
0.94711 0.94987 0.95597 0.93807 0.93607 0.93810 0.94471 0.94615 0.89885 0.93212
0.99632 0.99632 0.99672 0.99070 0.99799 0.99161 0.99827 0.97514 0.98578 0.98771 0.97978 0.98162 0.95165 0.97076 0.73669
0.96498 0.97814 0.98182 0.89189 0.94737 0.94118 0.94444 0.90909 0.96154 0.96667
0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.88570
0.85250 0.87950 0.99000 0.91050 0.87600 0.77100 0.75020 0.73450 0.67330 0.51550

> ATP2
ANTI-TAMP PROG :
84 85 07 22222 22222222 2 11 096. 22112222
I/M DESC FILE : D:\Mid09CON\MOB6in\ext\H09.im

SCENARIO RECORD : harr30aug
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
FUEL RVP : 6.8
FUEL PROGRAM : 4
150.0 149.0 119.0 120.0 120.0 90.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0
OXYGENATED FUELS : 1.000 0.000 0.021 0.000 1

* HGA June through August Ozone Season (2006, 2007 and 2008 (10 maximum ozone day averages))
HOURLY TEMPERATURES: 72.4 76.0 79.6 83.1 85.6 87.8 89.0 90.1 91.2 91.2 91.4 90.9
88.8 85.4 82.7 81.0 80.3 78.8 77.1 75.7 75.2 74.1 72.7 72.5
RELATIVE HUMIDITY : 84.5 78.0 68.9 59.5 52.1 47.3 43.0 40.6 39.3 39.5 40.3 40.2
44.3 51.4 57.7 60.1 62.0 66.6 73.0 77.2 78.7 80.1 83.6 84.4
BAROMETRIC PRES : 29.87
SUNRISE/SUNSET : 7 8
END OF RUN :

2009 Liberty Conty Input to POLFAC62_3

MOBILE6 INPUT FILE :

> 30aug2009libe Wednesday
> RATE FORMAT :3

RUN DATA :
EXPRESS HC AS VOC :
NO REFUELING :
REG DIST : D:\Mid09CON\MOB6in\ext\hgbrgd\libe08.rgd
WE DA TRI LEN DI : D:\Mid09CON\MOB6in\ext\HG09.tld
VMT BY HOUR : D:\Mid09CON\TRANSVMT\IB\eb\2009\libe09wk.vhr

* Statewide Diesel Sales Fractions Estimates - 2009
* HDV fractions are estimated from TxDOT registration data (Mid-year July 2008)
* LDV, LDT and Bus fractions are MOBILE6 defaults
* One record per vehicle type. The order of vehicle types is: LDV, LDT1, LDT2, LDT3, LDT4, HDV2B, HDV3, HDV4, HDV5, HDV6, HDV7, HDV8a, HDV8b, HDBS

DIESEL FRACTIONS :
0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00090 0.00060
0.00010 0.00030 0.00060 0.00130 0.00040 0.00040 0.00010 0.00270 0.00320 0.00970
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00070 0.00330 0.00480
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00070 0.00330 0.00480
0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01150
0.01110 0.01450 0.01150 0.01290 0.00960 0.00830 0.00720 0.00820 0.01240 0.01350
0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01260 0.01150
0.01110 0.01450 0.01150 0.01290 0.00960 0.00830 0.00720 0.00820 0.01240 0.01350
0.70322 0.70322 0.78104 0.77701 0.81682 0.81511 0.76617 0.73412 0.69588 0.56999 0.61149 0.50315 0.43662 0.43485 0.21653
0.38548 0.37156 0.34646 0.35309 0.30994 0.27199 0.19841 0.15719 0.17719 0.16390
0.74662 0.74662 0.76231 0.77903 0.69612 0.67721 0.64307 0.63080 0.63362 0.64799 0.60707 0.47338 0.55825 0.52783 0.34291
0.53182 0.52291 0.57774 0.45914 0.57234 0.48033 0.40374 0.27124 0.29474 0.20900
0.73586 0.73586 0.81109 0.85643 0.81755 0.76618 0.72768 0.68040 0.69225 0.72295 0.64021 0.69839 0.74090 0.63828 0.42593
0.64985 0.62319 0.61650 0.69008 0.54545 0.66507 0.22222 0.23485 0.07071 0.09551
0.92575 0.92575 0.95141 0.90925 0.89474 0.87500 0.86012 0.87187 0.85993 0.88254 0.85745 0.67610 0.71290 0.78273 0.50820
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0.79980 0.77519 0.63392 0.67824 0.74766 0.75401 0.60082 0.72383 0.55579 0.44589
0.94107 0.94107 0.97920 0.92161 0.95933 0.95374 0.97698 0.91315 0.92151 0.92472 0.91502 0.86901 0.79577 0.82879 0.60778
0.85789 0.88491 0.86417 0.88006 0.86066 0.89568 0.81509 0.84942 0.71831 0.79909
0.98712 0.98712 0.99475 0.97008 0.97429 0.94836 0.96204 0.94725 0.94588 0.94226 0.95460 0.94282 0.90690 0.92136 0.80184
0.94711 0.94987 0.95597 0.93807 0.93607 0.93810 0.94471 0.94615 0.89885 0.93212
0.99632 0.99632 0.99672 0.99070 0.99799 0.99161 0.99827 0.97514 0.98578 0.98771 0.97978 0.98162 0.95165 0.97076 0.73669
0.96498 0.97814 0.98182 0.89189 0.94737 0.94118 0.94444 0.90909 0.96154 0.96667
0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.95850 0.88570
0.85250 0.87950 0.99000 0.91050 0.87600 0.77100 0.75020 0.73450 0.67330 0.51550

SCENARIO RECORD : libe
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44.3 51.4 57.7 60.1 62.0 66.6 73.0 77.2 78.7 80.1 83.6 84.4
BAROMETRIC PRES : 29.87

SUNRISE/SUNSET : 7 8
END OF RUN

Example of VMT by Facility for Harris County for 2009

Note: Due to the size of this file, an example is provided here. Actual files are available in the conformity CD-ROM.

VMT BY FACILITY

* HGA Conformity Analysis

* 2009 Weekday

* HARRIS COUNTY (FIPS Code: 201)

1	0.4819	0.5120	0.0000	0.0061
	0.4819	0.5120	0.0000	0.0061
	0.4819	0.5120	0.0000	0.0061
	0.4537	0.5403	0.0000	0.0060
	0.4537	0.5403	0.0000	0.0060
	0.4537	0.5403	0.0000	0.0060
	0.4537	0.5403	0.0000	0.0060
	0.4537	0.5403	0.0000	0.0060
	0.4537	0.5403	0.0000	0.0060
	0.4507	0.5434	0.0000	0.0059
	0.4507	0.5434	0.0000	0.0059
	0.4507	0.5434	0.0000	0.0059
	0.4507	0.5434	0.0000	0.0059
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
	0.4420	0.5522	0.0000	0.0058
2	0.4494	0.5444	0.0000	0.0062
	0.4494	0.5444	0.0000	0.0062
	0.4494	0.5444	0.0000	0.0062
	0.4188	0.5751	0.0000	0.0061
	0.4188	0.5751	0.0000	0.0061
	0.4188	0.5751	0.0000	0.0061
	0.4188	0.5751	0.0000	0.0061
	0.4188	0.5751	0.0000	0.0061
	0.4188	0.5751	0.0000	0.0061
	0.4154	0.5786	0.0000	0.0060
	0.4154	0.5786	0.0000	0.0060
	0.4154	0.5786	0.0000	0.0060
	0.4154	0.5786	0.0000	0.0060
	0.4053	0.5888	0.0000	0.0059
	0.4053	0.5888	0.0000	0.0059

0.4053 0.5888 0.0000 0.0059
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3 0.4494 0.5444 0.0000 0.0062
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0.4494 0.5444 0.0000 0.0062
0.4188 0.5751 0.0000 0.0061
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0.4154 0.5786 0.0000 0.0060
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4 0.4429 0.5509 0.0000 0.0062
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0.4429 0.5509 0.0000 0.0062
0.4122 0.5817 0.0000 0.0061
0.4122 0.5817 0.0000 0.0061
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0.4122 0.5817 0.0000 0.0061
0.4122 0.5817 0.0000 0.0061
0.4122 0.5817 0.0000 0.0061
0.4090 0.5850 0.0000 0.0060
0.4090 0.5850 0.0000 0.0060
0.4090 0.5850 0.0000 0.0060
0.4090 0.5850 0.0000 0.0060

0.3987 0.5954 0.0000 0.0059
0.3987 0.5954 0.0000 0.0059
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0.3987 0.5954 0.0000 0.0059
5 0.4429 0.5509 0.0000 0.0062
0.4429 0.5509 0.0000 0.0062
0.4429 0.5509 0.0000 0.0062
0.4122 0.5817 0.0000 0.0061
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0.4122 0.5817 0.0000 0.0061
0.4090 0.5850 0.0000 0.0060
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0.4090 0.5850 0.0000 0.0060
0.3987 0.5954 0.0000 0.0059
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6 0.4025 0.5913 0.0000 0.0062
0.4025 0.5913 0.0000 0.0062
0.4025 0.5913 0.0000 0.0062
0.3675 0.6261 0.0000 0.0064
0.3675 0.6261 0.0000 0.0064
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0.3675 0.6261 0.0000 0.0064
0.3675 0.6261 0.0000 0.0064
0.3652 0.6283 0.0000 0.0065
0.3652 0.6283 0.0000 0.0065

0.3652 0.6283 0.0000 0.0065
0.3652 0.6283 0.0000 0.0065
0.3948 0.5993 0.0000 0.0059
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7 0.4025 0.5913 0.0000 0.0062
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0.4025 0.5913 0.0000 0.0062
0.3675 0.6261 0.0000 0.0064
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0.3675 0.6261 0.0000 0.0064
0.3652 0.6283 0.0000 0.0065
0.3652 0.6283 0.0000 0.0065
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0.3652 0.6283 0.0000 0.0065
0.3948 0.5993 0.0000 0.0059
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8 0.4025 0.5913 0.0000 0.0062
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0.3652 0.6283 0.0000 0.0065
0.3652 0.6283 0.0000 0.0065
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0.3948 0.5993 0.0000 0.0059
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9 0.4025 0.5913 0.0000 0.0062
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0.4025 0.5913 0.0000 0.0062
0.3676 0.6260 0.0000 0.0064
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0.3651 0.6284 0.0000 0.0065
0.3651 0.6284 0.0000 0.0065
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0.3651 0.6284 0.0000 0.0065
0.3949 0.5992 0.0000 0.0059
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Example of VMT by Speed for Harris County for 2009

SPEED VMT

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0.5079 0.1945 0.0805
1 2 0.0000 0.0000 0.0000 0.0000 0.0000 0.0053 0.0262 0.1029 0.0571 0.0625 0.1189
0.4092 0.1456 0.0723
1 3 0.0000 0.0000 0.0000 0.0000 0.0000 0.0016 0.0038 0.0337 0.0304 0.0478 0.0871
0.5118 0.2017 0.0821
1 4 0.0000 0.0000 0.0000 0.0000 0.0000 0.0010 0.0004 0.0011 0.0004 0.0011 0.0104
0.6637 0.2046 0.1173
1 5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0010 0.0004 0.0011 0.0000 0.0009 0.0108
0.6639 0.2046 0.1173
1 6 0.0000 0.0000 0.0000 0.0000 0.0000 0.0011 0.0004 0.0011 0.0004 0.0026 0.0087
0.6638 0.2046 0.1173
1 7 0.0000 0.0000 0.0000 0.0000 0.0000 0.0011 0.0006 0.0010 0.0007 0.0036 0.0089
0.6622 0.2046 0.1173
1 8 0.0000 0.0000 0.0000 0.0000 0.0000 0.0011 0.0009 0.0013 0.0009 0.0047 0.0090
0.6602 0.2046 0.1173
1 9 0.0000 0.0000 0.0000 0.0000 0.0000 0.0011 0.0011 0.0046 0.0019 0.0005 0.0204
0.6485 0.2046 0.1173
1 10 0.0000 0.0000 0.0000 0.0000 0.0000 0.0017 0.0029 0.0526 0.0350 0.0419 0.1053
0.4788 0.1925 0.0893
1 11 0.0000 0.0000 0.0000 0.0000 0.0000 0.0035 0.0245 0.0860 0.0387 0.0584 0.1420
0.3890 0.1783 0.0796
1 12 0.0000 0.0000 0.0000 0.0000 0.0000 0.0057 0.0422 0.1130 0.0442 0.0662 0.1421
0.3518 0.1593 0.0755
1 13 0.0000 0.0000 0.0000 0.0000 0.0000 0.0016 0.0025 0.0358 0.0262 0.0432 0.0860
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1 14 0.0000 0.0000 0.0000 0.0000 0.0000 0.0024 0.0008 0.0002 0.0000 0.0002 0.0060
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1 16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0007 0.0009 0.0003 0.0005 0.0061
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1 18 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0002 0.0000 0.0000 0.0059
0.6657 0.1961 0.1314
1 19 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0002 0.0000 0.0000 0.0059
0.6621 0.2004 0.1314
1 20 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0002 0.0000 0.0000 0.0059
0.6621 0.2004 0.1314
1 21 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0002 0.0000 0.0000 0.0059
0.6621 0.2004 0.1314
1 22 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0002 0.0000 0.0000 0.0059
0.6621 0.2004 0.1314

1 23 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0002 0.0000 0.0000 0.0059
0.6621 0.2004 0.1314
1 24 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0000 0.0013 0.0003 0.0003 0.0066
0.6662 0.1932 0.1314
2 1 0.0000 0.0000 0.0017 0.0161 0.1452 0.2877 0.3801 0.1045 0.0103 0.0332 0.0026
0.0044 0.0029 0.0113
2 2 0.0000 0.0000 0.0028 0.0365 0.1873 0.2915 0.3335 0.0926 0.0121 0.0237 0.0029
0.0046 0.0035 0.0090
2 3 0.0000 0.0000 0.0017 0.0149 0.1414 0.2880 0.3833 0.1050 0.0106 0.0338 0.0026
0.0044 0.0028 0.0115
2 4 0.0000 0.0000 0.0009 0.0085 0.1004 0.2469 0.4494 0.1211 0.0050 0.0476 0.0028
0.0036 0.0000 0.0138
2 5 0.0000 0.0000 0.0009 0.0083 0.0986 0.2435 0.4517 0.1233 0.0032 0.0499 0.0032
0.0036 0.0000 0.0138
2 6 0.0000 0.0000 0.0009 0.0087 0.1013 0.2479 0.4485 0.1201 0.0053 0.0471 0.0028
0.0036 0.0000 0.0138
2 7 0.0000 0.0000 0.0009 0.0100 0.1038 0.2523 0.4430 0.1175 0.0055 0.0471 0.0025
0.0036 0.0001 0.0137
2 8 0.0000 0.0000 0.0009 0.0124 0.1034 0.2581 0.4379 0.1149 0.0058 0.0471 0.0021
0.0036 0.0001 0.0137
2 9 0.0000 0.0000 0.0013 0.0149 0.1084 0.2653 0.4288 0.1102 0.0079 0.0444 0.0014
0.0036 0.0001 0.0137
2 10 0.0000 0.0000 0.0017 0.0254 0.1692 0.3028 0.3498 0.0939 0.0098 0.0281 0.0016
0.0041 0.0037 0.0099
2 11 0.0000 0.0000 0.0034 0.0410 0.2004 0.2968 0.3178 0.0875 0.0125 0.0217 0.0020
0.0043 0.0043 0.0083
2 12 0.0000 0.0000 0.0045 0.0546 0.2156 0.2999 0.2904 0.0860 0.0114 0.0192 0.0025
0.0047 0.0039 0.0073
2 13 0.0000 0.0000 0.0012 0.0203 0.1537 0.3051 0.3625 0.0973 0.0094 0.0309 0.0017
0.0041 0.0033 0.0105
2 14 0.0000 0.0000 0.0028 0.0069 0.0904 0.2188 0.4518 0.1496 0.0030 0.0523 0.0053
0.0040 0.0000 0.0151
2 15 0.0000 0.0000 0.0023 0.0058 0.0880 0.2066 0.4485 0.1679 0.0009 0.0556 0.0053
0.0040 0.0000 0.0151
2 16 0.0000 0.0000 0.0022 0.0053 0.0869 0.2044 0.4424 0.1779 0.0009 0.0556 0.0053
0.0040 0.0000 0.0151
2 17 0.0000 0.0000 0.0005 0.0069 0.0860 0.2027 0.4331 0.1899 0.0006 0.0559 0.0053
0.0040 0.0000 0.0151
2 18 0.0000 0.0000 0.0005 0.0052 0.0876 0.2004 0.4323 0.1928 0.0009 0.0559 0.0053
0.0040 0.0000 0.0151
2 19 0.0000 0.0000 0.0005 0.0052 0.0858 0.2008 0.4336 0.1929 0.0009 0.0559 0.0053
0.0040 0.0000 0.0151
2 20 0.0000 0.0000 0.0005 0.0052 0.0858 0.2007 0.4337 0.1929 0.0009 0.0559 0.0053
0.0040 0.0000 0.0151
2 21 0.0000 0.0000 0.0005 0.0052 0.0858 0.2007 0.4337 0.1929 0.0009 0.0559 0.0053
0.0040 0.0000 0.0151

2 22 0.0000 0.0000 0.0005 0.0052 0.0858 0.2007 0.4337 0.1929 0.0009 0.0559 0.0053
0.0040 0.0000 0.0151
2 23 0.0000 0.0000 0.0005 0.0052 0.0858 0.2008 0.4336 0.1929 0.0009 0.0559 0.0053
0.0040 0.0000 0.0151
2 24 0.0000 0.0000 0.0022 0.0053 0.0864 0.2039 0.4393 0.1820 0.0008 0.0557 0.0053
0.0040 0.0000 0.0151
* HGA Conformity Analysis
* 2009 Weekday
* HARRIS COUNTY (FIPS Code: 201)

Example of Final Output from SUMALL

HGA MID09CON 2009 OZONE SEASON WEEKDAY EMISSIONS

COUNTY: ALL COUNTIES	24 HOUR VEHICLE MILES OF TRAVEL									
	VEHICLE TYPE									
ROADWAY TYPE	LDGV	LDGT1	LDGT2	LDGT3	LDGT4	HDGV2b	HDGV3	HDGV4	HDGV5	
	HDGV6	HDGV7	HDGV8a	HDGV8b	LDDV	LDDT12	HDDV2b	HDDV3	HDDV4	
	HDDV5	HDDV6	HDDV7	HDDV8a	HDDV8b	MC	HDGB	HDDBT	HDDBS	
	LDDT34	TOTALS								
URBAN INTERSTATE	6806413.2		506852.4	1687317.9		651135.1	299434.1	75747.0	19540.8	
5489.1	1976.0	3952.2	1097.9	1756.5	219.6	6237.2	80.7	145681.1	35273.2	
16632.8	14625.6	33552.7	12904.9	28103.7	378374.9	10789.1	2405.9	11297.8	21224.0	
10980.4		10789095.8								
URBAN OTHER FREEWAY	2883653.2		214755.6	714923.9	275905.6	126879.2	31864.5	8220.2	2309.1	
831.2	1662.6	461.8	738.9	92.4	2642.5	34.2	61292.6	14840.6	6997.9	
6153.5	14116.7	5429.5	11824.1	156029.7	4565.9	1031.4	4843.1	9098.2	4652.5	
4565850.3										
TOLL ROADS	4920782.2		366472.1	1219990.2		470819.1	216513.1	54214.7	13986.0	
3928.7	1414.3	2828.7	785.8	1257.2	157.2	4509.2	58.3	104290.3	25251.4	
11907.1	10470.2	24019.7	9238.3	20118.9	264317.7	7788.8	1769.7	8310.3	15611.7	
7939.2		7788750.3								
RAMPS (FWY/TOLL/FRNT)	486117.7	39780.9	132431.2	51956.9	23893.2	6930.4	1787.8	502.2	180.8	
361.6	100.5	160.7	20.1	445.5	6.3	15863.9	3841.1	1811.2	1592.6	
3653.7	1405.3	3060.4	29106.0	809.2	176.8	830.4	1559.9	861.8	809248.3	
URBAN PRIN. ART.	1963271.0		160688.9	534935.5	209882.5	96517.7	28345.6	7312.3	2054.0	
739.4	1478.8	410.9	657.3	82.3	1799.3	25.6	64865.2	15705.6	7405.9	
6512.1	14939.5	5746.0	12513.5	118242.0	3271.2	710.8	3337.8	6270.2	3481.2	
3271201.9										
URBAN OTHER ART.	4320410.2		353623.5	1177217.3		461871.9	212398.9	61857.0	15957.3	
4482.4	1613.6	3227.2	896.7	1434.3	179.5	3959.5	56.4	141567.2	34277.2	
16163.3	14212.5	32605.1	12540.4	27310.4	259448.3	7194.8	1560.2	7326.4	13763.0	
7661.0		7194815.4								
URBAN COLLECTOR	253941.3	26550.2	88386.1	36373.9	16727.1	5295.0	1366.0	383.7	138.1	
276.3	76.7	122.8	15.4	232.8	4.2	15381.4	3724.2	1756.1	1544.2	
3542.6	1362.5	2967.3	20203.3	484.8	229.7	1078.5	2026.0	575.2	484765.4	
LOCAL (CENT. CONN.)	6782536.2		709257.4	2361128.2		971665.7	446835.0	140170.5	36160.1	
10157.4	3656.4	7313.6	2031.7	3250.6	406.5	6217.5	112.8	407238.8	98602.9	

46495.8	40883.9	93793.2	36074.4	78561.7	537395.7	12937.2	6126.7	28768.5	54042.9
15365.7	12937186.9								
RURAL INTERSTATE	19634363.7		1462067.3		4867240.3		1878238.7		863735.8
216835.7	55938.2	15713.2	5656.6	11313.6	3142.8	5028.3	628.7	17992.2	232.8
417050.0	100978.8	47615.6	41869.6	96053.4	36943.5	80454.3	1094697.9		31117.2
6933.1	32556.6	61160.3	31674.1	31117232.0					
RURAL OTHER FREEWAY	2455341.9		182855.9	608729.7	234920.2	108031.5	27111.3	6994.0	1964.6
707.2	1414.6	393.0	628.7	78.6	2250.0	29.1	52149.9	12626.9	5954.1
5235.6	12011.0	4619.6	10060.4	133050.9	3887.8	878.3	4124.3	7747.8	3961.4
3887758.1									
RURAL PRIN. ART.	11151957.0		912716.9	3038446.1		1192062.5		548188.2	159013.6
41020.7	11522.7	4148.0	8296.1	2305.0	3687.2	461.5	10220.4	145.5	363946.9
88121.4	41553.2	36538.2	83822.6	32239.5	70210.8	673322.6	18570.4	4004.6	18805.2
35326.5	19773.3	18570426.4							
RURAL OTHER ART.	22415505.5		1834609.7		6107439.1		2396129.4		1101896.9
292.4	318752.9	82228.7	23097.9	8314.9	16630.0	4620.5	7391.3	925.0	20543.0
37314.8	729590.2	176653.4	83300.0	73246.7	168036.0	64629.3	140748.8	1345851.5	
RURAL MAJOR COL.	8078.2	37934.8	71262.4	39745.3	37314768.8				
1186.0	2216652.1		231821.0	771735.6	317586.3	146046.8	45467.8	11729.4	3294.8
13263.6	2372.4	659.0	1054.4	131.9	2032.0	36.9	132117.2	31988.9	15084.3
4225269.7	30428.6	11703.3	25487.1	174853.8	4225.3	2017.6	9474.0	17797.3	5022.3
RURAL COLLECTOR	1369778.1		143258.6	476909.9	196258.5	90252.4	27993.3	7221.5	2028.5
730.2	1460.6	405.8	649.2	81.2	1255.7	22.8	81348.7	19696.6	9287.8
8166.8	18735.8	7206.1	15693.2	107703.5	2610.0	1253.1	5884.1	11053.6	3103.6
2610049.2									
LOCAL (INTRA ZONAL)	319362.8	33401.1	111192.8	45757.5	21042.3	6595.9	1701.6	478.0	172.1
344.2	95.6	153.0	19.1	292.8	5.3	19163.8	4640.1	2188.0	1923.9
4413.7	1697.6	3697.0	25283.4	609.0	279.5	1312.7	2465.9	723.6	609012.2
TOTALS	87980086.2		7178711.6		23898023.9		9390563.9		4318392.1
80629.5	1206195.3		311164.7	87406.3	31464.8	62932.2	17483.5	27970.5	3498.9
5317881.1	1143.3	2751547.1		666222.2	314153.0	276239.2	633724.2	243740.0	530811.5
	146175.4	37455.6	175884.5	330409.5	155520.6	146175430.8			

HGA MID09CON 2009 OZONE SEASON WEEKDAY

EMISSIONS

24 HOUR
VEHICLE HOURS

COUNTY: ALL COUNTIES

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	LDGT3	LDGT4	HDBGV2b	HDBGV3	HDBGV4	HDBGV5
	HDBGV6	HDBGV7	HDBGV8a	HDBGV8b	LDDV	LDDT12	HDDV2b	HDDV3	HDDV4
	HDDV5	HDDV6	HDDV7	HDDV8a	HDDV8b	MC	HDGB	HDDBT	HDDBS
	LDDT34	TOTALS							
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URBAN INTERSTATE	133931.21		9974.19	33204.19	12814.12	5892.76	1471.00	379.48	106.60
38.37	76.75	21.32	34.11	4.27	122.73	1.59	2829.69	685.14	323.07
284.09	651.72	250.66	545.88	7239.88	212.01	47.97	225.26	423.16	216.08
212007.30									
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URBAN OTHER FREEWAY	55890.69	4162.59	13857.32	5348.07	2459.39	611.14	157.66	44.29	15.94
31.89	8.86	14.17	1.77	51.22	0.66	1175.73	284.67	134.24	118.04
270.79	104.15	226.81	2962.48	88.40	20.17	94.72	177.94	90.18	88403.96
TOLL ROADS	86411.54	6435.50	21423.85	8267.94	3802.13	950.44	245.19	68.87	24.79
49.59	13.78	22.04	2.76	79.18	1.02	1828.37	442.70	208.75	183.56
421.10	161.96	352.71	4625.88	136.75	31.13	146.18	274.61	139.42	136751.73

RAMPS (FWY/TOLL/FRNT	15142.42	1239.07	4124.88	1618.34	744.22	214.95	55.45	15.58	5.61
11.21	3.12	4.98	0.62	13.88	0.20	492.10	119.15	56.18	49.40
113.34	43.59	94.93	895.37	25.19	5.58	26.21	49.24	26.84	25191.66
URBAN PRIN. ART.	80814.46	6614.27	22019.00	8639.38	3972.95	1155.79	298.16	83.75	30.15
60.30	16.75	26.80	3.35	74.06	1.05	2645.49	640.55	302.05	265.59
609.30	234.35	510.36	4762.47	134.49	29.80	139.93	262.86	143.29	134490.76
URBAN OTHER ART.	184853.80		15129.91	50367.65	19761.73	9087.74	2628.12	677.98	190.44
68.56	137.11	38.10	60.94	7.63	169.41	2.41	6015.84	1456.60	686.85
603.96	1385.54	532.90	1160.55	10917.09	307.56	67.70	317.94	597.26	327.78
307559.08									
URBAN COLLECTOR	10249.33	1071.55	3567.20	1468.04	675.10	212.86	54.91	15.43	5.55
11.11	3.09	4.94	0.62	9.40	0.17	618.48	149.75	70.61	62.09
142.45	54.79	119.31	807.84	19.55	9.40	44.12	82.89	23.21	19553.79
LOCAL (CENT. CONN.)	288745.02		30193.61	100514.96		41364.64	19022.15	5977.48	1542.02
433.15	155.92	311.89	86.64	138.62	17.33	264.69	4.80	17365.79	4204.70
1982.71	1743.40	3999.60	1538.31	3350.09	22905.12	550.85	260.62	1223.76	2298.89
654.13	550850.92								
RURAL INTERSTATE	344814.52		25677.58	85481.00	32987.39	15169.74	3784.87	976.40	274.27
98.73	197.48	54.86	87.77	10.97	315.97	4.09	7280.36	1762.77	831.22
730.91	1676.78	644.91	1404.47	18936.30	546.09	122.69	576.15	1082.35	556.28
546086.93									
RURAL OTHER FREEWAY	45712.23	3404.39	11333.25	4373.78	2011.35	502.85	129.72	36.44	13.12
26.24	7.29	11.66	1.46	41.89	0.54	967.31	234.21	110.44	97.11
222.79	85.69	186.61	2456.62	72.35	16.41	77.08	144.79	73.75	72351.37
RURAL PRIN. ART.	306260.80		25064.01	83438.40	32735.89	15054.10	4341.95	1120.09	314.63
113.26	226.53	62.94	100.68	12.60	280.68	3.99	9939.66	2406.66	1134.85
997.89	2289.26	880.48	1917.51	18161.51	509.54	111.95	525.72	987.58	542.99
509536.16									
RURAL OTHER ART.	729063.31		59668.74	198637.98		77932.74	35838.57	10329.51	2664.71
748.51	269.45	538.91	149.73	239.52	29.98	668.16	9.51	23645.85	5725.30
2699.73	2373.91	5446.01	2094.62	4561.64	43292.62	1212.99	265.56	1247.04	2342.63
1292.67	1212989.90								
RURAL MAJOR COL.	65262.25	6824.91	22720.23	9349.96	4299.72	1335.97	344.64	96.81	34.85
69.71	19.36	30.98	3.87	59.83	1.09	3882.48	940.05	443.28	389.77
894.19	343.92	748.98	5118.75	124.36	60.03	281.87	529.50	147.86	124359.22
RURAL COLLECTOR	33248.43	3477.07	11575.22	4763.50	2190.57	678.08	174.93	49.14	17.69
35.38	9.83	15.72	1.97	30.48	0.55	1970.81	477.18	225.01	197.86
453.91	174.58	380.20	2596.77	63.33	30.81	144.66	271.74	75.33	63330.75
LOCAL (INTRAZONAL)	12355.30	1292.18	4301.68	1770.21	814.06	255.48	65.91	18.51	6.66
13.33	3.70	5.92	0.74	11.33	0.21	742.24	179.71	84.74	74.52
170.95	65.75	143.19	978.96	23.56	10.81	50.76	95.36	27.99	23563.77
TOTALS	2392755.32		200229.56			666566.82		263195.73	121034.53
	34450.50	8887.25	2496.43	898.67	1797.42	499.36	798.87	99.94	2192.90
31.89	81400.20	19709.14	9293.74	8172.09	18747.73	7210.67	15703.23	146657.65	
4027.03	1090.63	5121.38	9620.80	4337.81	4027027.28				

HGA MID09CON 2009 OZONE SEASON WEEKDAY

EMISSIONS

24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: ALL COUNTIES

VEHICLE TYPE

ROADWAY TYPE	LDGT1	LDGT2	LDGT3	LDGT4	HDGV2b	HDGV3	HDGV4	HDGV5	HDGV6
LDGV	HDGV7	HDGV8a	HDGV8b	LDDV	LDDT12	HDDV2b	HDDV3	HDDV4	HDDV5
	HDDV6	HDDV7	HDDV8a	HDDV8b	MC	HDGB	HDDBT	HDDBS	LDDT34
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URBAN INTERSTATE	52.17	52.17	52.17	52.17	52.17	52.69	52.69	52.69	52.69
52.69	52.69	52.69	52.69	52.17	52.18	52.68	52.68	52.68	52.68
52.68	52.68	52.68	53.29	52.23	51.64	51.64	51.64	52.17	
URBAN OTHER FREEWAY	52.66	52.66	52.66	52.65	52.65	53.07	53.07	53.07	53.07
53.07	53.07	53.07	53.07	52.66	52.66	53.07	53.07	53.07	53.07
53.07	53.07	53.07	53.47	52.70	52.30	52.30	52.30	52.66	
TOLL ROADS	57.28	57.28	57.28	57.28	57.28	57.36	57.36	57.36	57.36
57.36	57.36	57.36	57.36	57.28	57.28	57.35	57.35	57.35	57.35
57.35	57.35	57.35	57.44	57.28	57.19	57.19	57.19	57.28	
RAMPS (FWY/TOLL/FRNT	34.44	34.44	34.44	34.44	34.44	34.51	34.51	34.51	34.51
34.51	34.51	34.51	34.51	34.44	34.44	34.51	34.51	34.51	34.51
34.51	34.51	34.51	34.72	34.45	34.11	34.11	34.11	34.44	
URBAN PRIN. ART.	24.89	24.89	24.89	24.89	24.89	25.06	25.06	25.06	25.06
25.06	25.06	25.06	25.06	24.89	24.89	25.06	25.06	25.06	25.06
25.06	25.06	25.06	25.31	24.91	24.51	24.51	24.51	24.89	
URBAN OTHER ART.	23.88	23.88	23.88	23.88	23.88	24.00	24.00	24.00	24.00
24.00	24.00	24.00	24.00	23.88	23.88	24.00	24.00	24.00	24.00
24.00	24.00	24.00	24.20	23.89	23.59	23.59	23.59	23.88	
URBAN COLLECTOR	25.36	25.37	25.37	25.37	25.37	25.44	25.44	25.44	25.44
25.44	25.44	25.44	25.44	25.36	25.37	25.43	25.43	25.43	25.43
25.43	25.43	25.43	25.55	25.38	25.07	25.07	25.07	25.37	
LOCAL (CENT. CONN.)	24.86	24.86	24.86	24.86	24.86	24.81	24.81	24.81	24.81
24.81	24.81	24.81	24.81	24.86	24.86	24.82	24.82	24.82	24.82
24.82	24.82	24.82	24.83	24.86	24.88	24.88	24.88	24.86	
RURAL INTERSTATE	58.27	58.27	58.27	58.27	58.27	58.53	58.53	58.53	58.53
58.53	58.53	58.53	58.53	58.28	58.27	58.53	58.53	58.53	58.53
58.53	58.53	58.53	58.95	58.31	57.93	57.93	57.93	58.27	
RURAL OTHER FREEWAY	55.12	55.12	55.12	55.12	55.12	55.27	55.27	55.27	55.27
55.27	55.27	55.27	55.27	55.12	55.12	55.27	55.27	55.27	55.27
55.27	55.27	55.27	55.46	55.13	54.96	54.96	54.96	55.12	
RURAL PRIN. ART.	39.60	39.60	39.60	39.60	39.60	39.75	39.75	39.75	39.75
39.75	39.75	39.75	39.75	39.60	39.60	39.75	39.75	39.75	39.75
39.75	39.75	39.75	40.14	39.62	39.03	39.03	39.03	39.60	
RURAL OTHER ART.	33.71	33.71	33.71	33.71	33.71	33.77	33.77	33.77	33.77
33.77	33.77	33.77	33.77	33.71	33.71	33.77	33.77	33.77	33.77
33.77	33.77	33.77	33.98	33.72	33.42	33.42	33.42	33.71	
RURAL MAJOR COL.	39.13	39.13	39.13	39.13	39.13	39.15	39.15	39.15	39.15
39.15	39.15	39.15	39.15	39.13	39.13	39.15	39.15	39.15	39.15
39.15	39.15	39.15	39.25	39.13	38.84	38.84	38.84	39.13	
RURAL COLLECTOR	44.41	44.42	44.42	44.42	44.42	44.43	44.43	44.43	44.43
44.43	44.43	44.43	44.43	44.41	44.42	44.43	44.43	44.43	44.43
44.43	44.43	44.43	44.55	44.42	44.09	44.09	44.09	44.42	
LOCAL (INTRAZONAL)	27.65	27.65	27.65	27.65	27.65	27.62	27.62	27.62	27.62
27.62	27.62	27.62	27.62	27.65	27.65	27.62	27.62	27.62	27.62
27.62	27.62	27.62	27.63	27.65	27.66	27.66	27.66	27.65	

HGA MID09CON 2009 OZONE SEASON WEEKDAY

EMISSIONS

24 HOUR
POUNDS OF VOC EMISSIONS

COUNTY: ALL COUNTIES

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	LDGT3	LDGT4	HDBGV2b	HDBGV3	HDBGV4	HDBGV5
	HDBGV6	HDBGV7	HDBGV8a	HDBGV8b	LDDV	LDDT12	HDDV2b	HDDV3	HDDV4
	HDDV5	HDDV6	HDDV7	HDDV8a	HDDV8b	MC	HDBG	HDBBT	HDBBS
	LDDT34	TOTALS							
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URBAN INTERSTATE	6863.934	600.648	2123.819	429.366	220.838	46.664	19.799	5.481	3.763
8.679	2.455	5.859	0.563	2.452	0.425	29.396	8.558	5.228	4.867
15.916	8.009	19.497	242.225	52.587	11.245	5.343	19.972	5.109	10762.696
URBAN OTHER FREEWAY	2859.494	250.276	885.469	179.778	92.519	19.243	8.166	2.259	1.548
3.573	1.012	2.414	0.232	1.028	0.178	12.254	3.568	2.179	2.029
6.635	3.339	8.127	99.247	21.699	4.687	2.260	8.446	2.142	4483.801
TOLL ROADS	4758.429	417.922	1479.700	301.323	155.224	31.463	13.358	3.713	2.556
5.895	1.666	3.977	0.381	1.705	0.300	20.007	5.825	3.558	3.312
10.833	5.451	13.270	162.230	39.167	7.631	3.681	13.761	3.537	7469.875
RAMPS (FWY/TOLL/FRNT)	576.917	55.641	195.218	41.834	21.261	5.311	2.234	0.602	0.398
0.920	0.264	0.624	0.062	0.203	0.036	4.209	1.225	0.749	0.697
2.279	1.147	2.792	24.721	4.124	0.981	0.508	1.899	0.486	947.341
URBAN PRIN. ART.	2379.015	225.576	795.406	166.539	85.142	28.199	11.783	3.114	1.986
4.585	1.331	3.100	0.325	0.990	0.160	22.867	6.658	4.067	3.786
12.381	6.230	15.167	132.193	19.013	5.309	2.770	10.354	2.429	3950.475
URBAN OTHER ART.	5311.396	503.288	1774.405	371.828	190.041	63.596	26.560	7.005	4.451
10.274	2.985	6.946	0.731	2.222	0.355	51.584	15.018	9.175	8.540
27.930	14.054	34.214	300.428	42.613	12.009	6.252	23.369	5.473	8826.741
URBAN COLLECTOR	307.421	37.252	131.317	28.745	14.693	5.195	2.171	0.574	0.367
0.847	0.246	0.573	0.060	0.127	0.026	5.353	1.559	0.952	0.886
2.898	1.458	3.551	22.413	2.814	1.693	0.877	3.279	0.396	577.743
LOCAL (CENT. CONN.)	8307.979	1029.863	3628.353	809.397	413.106	144.606	60.433	15.929	10.113
23.345	6.784	15.783	1.662	3.466	0.708	148.274	43.168	26.372	24.547
80.281	40.397	98.342	626.120	76.950	46.937	24.110	90.126	11.064	15808.216
RURAL INTERSTATE	19514.973		1757.344	6208.763	1281.761	657.617	129.739	55.100	15.321
10.554	24.324	6.871	16.405	1.574	6.972	1.208	81.303	23.670	14.460
13.460	44.021	22.151	53.924	680.589	167.130	31.241	14.731	55.067	14.639
30904.912									
RURAL OTHER FREEWAY	2408.743	211.457	748.314	152.072	78.297	16.253	6.897	1.911	1.311
3.024	0.856	2.041	0.196	0.867	0.151	10.346	3.012	1.840	1.713
5.602	2.819	6.862	84.296	19.495	3.934	1.895	7.083	1.808	3783.094
RURAL PRIN. ART.	12102.787		1189.672	4193.412	879.555	449.686	119.610	50.396	13.641
9.058	20.928	5.992	14.162	1.412	4.602	0.815	93.388	27.189	16.610
15.461	50.564	25.443	61.940	547.939	98.915	22.248	11.329	42.347	11.060
20080.160									
RURAL OTHER ART.	25327.334		2462.407	8678.406	1821.940	931.033	269.291	112.986	30.264
19.734	45.579	13.126	30.832	3.141	10.044	1.707	215.321	62.688	38.296
35.648	116.583	58.664	142.812	1264.434	209.276	50.326	26.094	97.541	24.442
42099.948									
RURAL MAJOR COL.	2308.546	293.189	1034.589	231.297	118.436	35.879	15.075	4.058	2.665
6.153	1.767	4.160	0.420	0.928	0.210	36.337	10.579	6.463	6.016
19.674	9.900	24.101	153.550	23.809	11.806	6.058	22.646	2.903	4391.212
RURAL COLLECTOR	1437.122	184.338	649.841	145.623	74.412	19.287	8.155	2.220	1.488
3.440	0.982	2.330	0.230	0.531	0.123	18.951	5.517	3.371	3.137
10.261	5.163	12.569	80.041	12.969	6.422	3.195	11.942	1.637	2705.300
LOCAL (INTRAZONAL)	387.984	48.706	171.389	38.229	19.478	6.389	2.676	0.710	0.456
1.053	0.305	0.712	0.074	0.156	0.033	6.450	1.878	1.147	1.068
3.492	1.757	4.278	27.236	3.539	2.015	1.018	3.804	0.496	736.529
TOTALS	94852.074		9267.578	32698.398		6879.285	3521.784	940.725	395.789
106.803	70.447	162.620	46.640	109.919	11.063	36.293	6.435	756.042	220.111
134.467	125.167	409.351	205.981	501.445	4447.661	794.100	218.483	110.120	411.640
87.622	157528.043								

HGA MID09CON 2009 OZONE SEASON WEEKDAY

24 HOUR
POUNDS OF CO EMISSIONS

COUNTY: ALL COUNTIES

VEHICLE TYPE

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ROADWAY TYPE	LDGV	LDGT1	LDGT2	LDGT3	LDGT4	HDGV2b	HDGV3	HDGV4	HDGV5
	HDGV6	HDGV7	HDGV8a	HDGV8b	LDDV	LDDT12	HDDV2b	HDDV3	HDDV4
	HDDV5	HDDV6	HDDV7	HDDV8a	HDDV8b	MC	HDGB	HDDBT	HDDBS
	LDDT34	TOTALS							

URBAN INTERSTATE	94534.82	8415.68	31378.80	8463.50	4041.07	744.81	232.00	62.14	30.31
60.16	17.81	32.40	5.03	10.93	0.77	116.03	32.08	22.05	19.10
52.77	27.71	95.69	1048.50	246.01	97.06	51.96	71.36	9.61	149920.18
URBAN OTHER FREEWAY	40201.98	3574.56	13317.35	3593.74	1715.35	311.38	96.99	25.98	12.67
25.15	7.45	13.55	2.10	4.60	0.32	48.46	13.40	9.21	7.97
22.04	11.57	39.96	429.26	100.32	41.38	22.08	30.33	4.04	63683.20
TOLL ROADS	71698.11	6373.45	23692.69	6410.15	3056.36	572.38	178.30	47.75	23.30
46.24	13.69	24.91	3.87	7.96	0.55	85.20	23.56	16.19	14.02
38.75	20.35	70.27	753.12	222.45	76.77	38.99	53.56	7.02	113569.94
RAMPS (FWY/TOLL/FRNT)	9310.27	816.52	2917.70	825.69	390.44	66.98	20.88	5.59	2.73
5.42	1.60	2.92	0.45	0.82	0.06	14.09	3.90	2.68	2.32
6.41	3.37	11.62	90.06	20.25	7.06	4.24	5.83	0.81	14540.70
URBAN PRIN. ART.	22344.72	2173.58	8190.71	2236.05	1073.33	381.45	118.82	31.82	15.53
30.81	9.12	16.59	2.58	4.08	0.27	81.25	22.47	15.44	13.37
36.95	19.41	67.01	509.40	111.82	40.62	24.74	33.99	4.13	37610.06
URBAN OTHER ART.	49240.15	4785.61	18033.45	4926.53	2364.78	867.81	270.31	72.40	35.32
70.09	20.76	37.75	5.87	9.19	0.60	184.82	51.11	35.13	30.42
84.06	44.15	152.43	1168.16	253.61	92.30	56.22	77.22	9.33	82979.55
URBAN COLLECTOR	2884.47	358.76	1352.30	387.09	185.82	70.14	21.85	5.85	2.85
5.67	1.68	3.05	0.47	0.52	0.04	18.96	5.24	3.60	3.12
8.62	4.53	15.64	86.27	16.31	12.78	7.79	10.70	0.67	5474.81
LOCAL (CENT. CONN.)	78745.96	9923.90	37288.11	10826.09	5188.16	2005.15	625.18	167.37	81.71
162.27	48.06	87.55	13.59	14.40	1.20	537.38	148.59	102.13	88.44
244.40	128.35	443.18	2469.27	452.45	361.06	217.89	299.27	18.93	150690.03
RURAL INTERSTATE	291411.32		26439.67	97976.86	26920.35	12811.03	2461.55	769.45	205.69
100.61	200.01	59.25	100.21	16.80	32.49	2.23	354.68	98.07	67.41
58.37	161.31	84.71	292.51	3251.32	1036.28	324.10	158.94	218.31	29.26
465650.80									
RURAL OTHER FREEWAY	35000.55	3113.60	11587.96	3132.31	1494.32	283.37	88.27	23.64	11.53
22.89	6.78	12.33	1.91	3.98	0.28	42.84	11.85	8.14	7.05
19.48	10.23	35.33	380.93	107.11	37.72	19.49	26.76	3.52	55494.20
RURAL PRIN. ART.	139416.84		13912.62	52017.29	14428.93	6896.51	1687.51	526.73	140.93
68.86	136.81	40.53	73.91	11.48	19.33	1.42	335.87	92.87	63.83
55.28	152.75	80.22	277.00	2146.66	533.76	178.07	101.52	139.44	19.30
233556.26									
RURAL OTHER ART.	268839.09		26703.39	100096.82		27660.07	13237.61	3783.02	1180.38
315.86	154.29	306.47	90.79	165.47	25.71	41.84	2.94	770.49	213.05
146.43	126.81	350.41	184.03	635.44	4921.72	1212.38	400.91	233.34	320.49
42.16	452161.38								
RURAL MAJOR COL.	26722.32	3424.18	12823.33	3767.13	1802.16	541.39	168.76	45.19	22.06
43.81	12.98	23.65	3.67	4.00	0.37	135.59	37.49	25.77	22.32
61.67	32.39	111.82	623.64	144.33	99.67	56.38	77.44	5.17	50838.66
RURAL COLLECTOR	18090.07	2327.27	8660.12	2555.20	1218.27	279.33	87.29	23.34	11.41
22.70	6.72	12.28	1.91	2.26	0.22	69.19	19.13	13.15	11.39
31.47	16.53	57.06	318.02	60.46	52.32	29.11	39.98	2.89	34019.08
LOCAL (INTRAZONAL)	3785.79	482.22	1807.89	526.37	251.93	86.39	26.97	7.22	3.53
7.01	2.08	3.79	0.59	0.64	0.06	23.00	6.36	4.37	3.79
10.46	5.49	18.97	105.68	19.80	15.14	9.05	12.43	0.84	7227.84
TOTALS	1152226.46		112825.03		421141.40		116659.19		55727.14
14142.68	4412.17	1180.76	576.70	1145.49	339.31	618.35	96.04	157.05	11.32
2817.85	779.15	535.53	463.76	1281.54	673.04	2323.92	18302.01	4537.34	1836.95
1031.76	1417.11	157.68	1917416.71						

HGA MID09CON 2009 OZONE SEASON WEEKDAY

EMISSIONS

24 HOUR
POUNDS OF NOX EMISSIONS

COUNTY: ALL COUNTIES

VEHICLE TYPE

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ROADWAY TYPE	LDGV	LDGT1	LDGT2	LDGT3	LDGT4	HDGV2b	HDGV3	HDGV4	HDGV5
	HDGV6	HDGV7	HDGV8a	HDGV8b	LDDV	LDDT12	HDDV2b	HDDV3	HDDV4
	HDDV5	HDDV6	HDDV7	HDDV8a	HDDV8b	MC	HDGB	HDBBT	HDBBS
	LDDT34	TOTALS							
URBAN INTERSTATE	6466.252	570.223	2799.908	780.486	524.405	321.773	138.558	35.279	16.807
39.070	12.603	26.869	4.070	7.361	0.526	742.732	219.862	141.314	122.757
428.870	221.310	772.133	8242.931	29.885	45.638	371.670	506.255	14.062	23603.611
URBAN OTHER FREEWAY	2739.718	241.603	1185.972	330.883	222.224	135.706	58.436	14.879	7.088
16.477	5.316	11.332	1.717	3.121	0.223	312.498	92.505	59.456	51.649
180.443	93.114	324.866	3388.553	12.619	19.652	160.053	218.006	5.964	9894.072
TOLL ROADS	4724.313	419.507	2052.795	573.691	384.149	237.641	102.332	26.054	12.412
28.853	9.308	19.843	3.006	5.950	0.421	595.210	176.193	113.246	98.375
342.609	176.710	604.350	6291.521	22.990	34.855	310.811	423.230	11.415	17801.790
RAMPS (FWY/TOLL/FRNT	515.120	51.480	244.156	70.534	46.363	25.798	11.110	2.828	1.347
3.131	1.010	2.154	0.327	0.396	0.032	60.127	17.799	11.440	9.938
33.697	17.308	48.853	391.725	1.882	2.960	21.062	28.616	0.840	1622.032
URBAN PRIN. ART.	1974.919	181.478	896.894	254.405	172.213	97.818	42.121	10.724	5.109
11.876	3.832	8.167	1.239	1.719	0.138	262.075	77.579	49.863	43.315
146.216	74.957	240.070	1831.189	6.976	10.977	88.982	121.271	3.595	6619.719
URBAN OTHER ART.	4395.322	402.978	1990.546	564.931	382.168	211.466	91.058	23.184	11.045
25.674	8.284	17.657	2.677	3.820	0.307	578.397	171.216	110.048	95.596
322.715	165.442	529.168	4062.068	15.177	23.898	197.190	268.739	7.992	14678.763
URBAN COLLECTOR	253.942	29.851	147.573	43.888	29.721	18.329	7.893	2.009	0.957
2.225	0.718	1.531	0.232	0.221	0.023	61.854	18.310	11.769	10.223
34.509	17.691	56.690	312.164	1.042	3.565	28.515	38.864	0.590	1134.897
LOCAL (CENT. CONN.)	6896.194	823.032	4038.257	1222.567	823.206	482.590	207.857	52.894	25.194
58.562	18.896	40.284	6.106	6.007	0.620	1687.792	499.615	321.126	278.950
941.756	482.811	1541.675	8550.419	27.487	94.982	779.628	1062.482	16.440	30987.429
RURAL INTERSTATE	19149.357		1739.763	8406.043	2398.261	1592.749	952.169	410.123	104.366
49.716	115.562	37.289	79.508	12.047	24.870	1.758	2503.847	741.183	476.388
413.830	1439.363	742.245	2517.216	27354.856		93.218	136.499	1272.878	1733.106
49.017	74547.229								
RURAL OTHER FREEWAY	2343.598	207.587	1017.443	284.162	190.577	117.070	50.413	12.835	6.115
14.213	4.585	9.775	1.481	2.866	0.204	287.669	85.155	54.732	47.545
165.736	85.495	294.107	3080.063	11.146	17.023	148.732	202.545	5.503	8748.377
RURAL PRIN. ART.	10558.961		1023.940	5009.872	1447.010	972.304	616.370	265.490	67.552
32.176	74.783	24.136	51.447	7.804	10.568	0.843	1606.181	475.459	305.599
265.465	896.460	459.641	1457.271	11390.886		45.725	69.444	541.055	737.226
22.762	38436.432								
RURAL OTHER ART.	21586.087		2059.535	10101.628		2905.731	1957.033	1180.395	508.392
129.381	61.631	143.249	46.230	98.543	14.947	21.073	1.680	3183.451	942.360
605.697	526.152	1776.700	910.947	2891.760	22482.753		88.521	134.185	1084.000
1477.056	45.168	76964.286							
RURAL MAJOR COL.	2038.933	254.081	1250.055	381.994	257.343	175.383	75.552	19.218	9.152
21.269	6.864	14.630	2.218	2.189	0.230	635.202	188.030	120.856	104.983
354.645	181.863	571.364	3197.739	10.692	34.954	297.792	405.663	6.170	10619.065
RURAL COLLECTOR	1307.350	165.300	800.989	247.128	164.813	112.277	48.369	12.303	5.859
13.620	4.396	9.372	1.421	1.303	0.133	363.289	107.540	69.121	60.043
202.772	103.970	329.199	1837.543	6.570	22.572	172.031	234.393	3.656	6407.330
LOCAL (INTRAZONAL)	322.034	39.033	190.299	57.975	38.904	23.257	10.019	2.549	1.214
2.822	0.911	1.941	0.294	0.278	0.029	77.827	23.038	14.808	12.863
43.422	22.260	71.251	394.813	1.339	4.439	34.850	47.497	0.767	1440.733
TOTALS	85272.100		8209.390	40132.432		11563.645		7758.171	4708.042
2027.722	516.056	245.822	571.385	184.377	393.053	59.586	91.743	7.170	12958.150
	3835.843	2465.462	2141.684	7309.914	3755.765	12249.973		102809.223	
375.269	655.646	5509.249	7504.948	193.942	323505.765				