```
SCENARIO RECORD     : ~50.0 ARTERIAL
AVERAGE SPEED       : 50.0 ARTERIAL
CALENDAR YEAR       : 2006
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~55.0 ARTERIAL
AVERAGE SPEED       : 55.0 ARTERIAL
CALENDAR YEAR       : 2006
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~60.0 ARTERIAL
AVERAGE SPEED       : 60.0 ARTERIAL
CALENDAR YEAR       : 2006
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~65.0 ARTERIAL
AVERAGE SPEED       : 65.0 ARTERIAL
CALENDAR YEAR       : 2006
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~VMT BY FACILITY
VMT BY FACILITY     : c:\I98\m6\fvmt.def
CALENDAR YEAR       : 2006
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~VMT BY FACILITY
VMT BY FACILITY     : c:\I98\m6\rmpvmt.def
CALENDAR YEAR       : 2006
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


END OF RUN
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INDIANAPOLIS REGIONAL TRAVEL DEMAND MODEL --
EMISSION MODEL FOR MOBILE 6.2 -- PROGRAM DATE: 12NOV2004
- RUN TIME: 08:00:31 29NOV06

** EMISSION FACTORS FROM MOBILE 6.2

Road Class	Speed	HC	CO	NOX	PM	NH3
Freeway	3	6.7400	30.5770	2.9570	0.0358	0.0924
Freeway	5	3.2490	21.5990	2.7370	0.0358	0.0924
Freeway	10	1.7510	14.0460	2.1530	0.0358	0.0924
Freeway	15	1.3390	11.6710	1.8360	0.0358	0.0924
Freeway	20	1.1410	10.9040	1.7560	0.0358	0.0924
Freeway	25	1.0470	10.5240	1.7060	0.0358	0.0924
Freeway	30	0.9820	10.2920	1.6820	0.0358	0.0924
Freeway	35	0.9250	10.3180	1.6780	0.0357	0.0924
Freeway	40	0.8890	10.7260	1.7090	0.0357	0.0924
Freeway	45	0.8580	11.1650	1.7700	0.0357	0.0924
Freeway	50	0.8300	11.6330	1.8610	0.0357	0.0924
Freeway	55	0.8050	12.1320	1.9920	0.0357	0.0924
Freeway	60	0.7870	12.7040	2.1770	0.0357	0.0924
Freeway	65	0.7720	13.3250	2.4390	0.0357	0.0924
Arterial	3	6.7400	30.5770	2.8480	0.0358	0.0924
Arterial	5	3.2490	21.5990	2.6280	0.0358	0.0924
Arterial	10	1.8020	14.7750	2.1870	0.0358	0.0924
Arterial	15	1.4010	12.5220	1.9050	0.0358	0.0924
Arterial	20	1.1690	11.2300	1.7410	0.0358	0.0924
Arterial	25	1.0550	10.6030	1.6420	0.0358	0.0924
Arterial	30	0.9830	10.3060	1.5850	0.0358	0.0924
Arterial	35	0.9250	10.3180	1.5700	0.0357	0.0924
Arterial	40	0.8890	10.7260	1.6010	0.0357	0.0924
Arterial	45	0.8580	11.1650	1.6610	0.0357	0.0924
Arterial	50	0.8300	11.6330	1.7530	0.0357	0.0924
Arterial	55	0.8050	12.1320	1.8840	0.0357	0.0924
Arterial	60	0.7870	12.7040	2.0690	0.0357	0.0924
Arterial	65	0.7720	13.3250	2.3310	0.0357	0.0924
Local	1	1.4930	11.0230	1.7080	0.0358	0.0924
Ramps	1	1.0130	14.3740	1.6680	0.0357	0.0924

INDIANAPOLIS REGIONAL TRAVEL DEMAND MODEL --
EMISSION MODEL FOR MOBILE 6.2 -- PROGRAM DATE: 12NOV2004
- RUN TIME: 08:00:31 29NOV06

EMISSIONS IN KILOGRAMS PER DAY
+++ ALTERNATIVE IS:06A
MOBILE6 INPUT FILE :

- -

Marion County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOX	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	200.	3240.	558.	9.	23.
OTH. PRINC. ART.(2)	50.	396.	55.	1.	2.
MINOR ARTERIAL (6)	159.	1730.	259.	5.	14.
CENCON & INTRAS (9)	16.	120.	19.	0.	1.
SUBTOTAL	424.	5485.	892.	16.	41.
-----URBAN------					
INTERSTATE (11)	8876.	128207.	21030.	383.	990.
OTH.FWY & XWAY (12)	543.	6608.	996.	22.	56.
OTH. PRINC. ART.(14)	6028.	68862.	10359.	229.	591.
MINOR ARTERIAL (16)	5953.	67705.	10231.	229.	591.
CENCON & INTRAS (19)	3002.	22168.	3435.	72.	186.
SUBTOTAL	24402.	293550.	46051.	933.	2415.

---TOTAL---	24827.	299035.	46943.	949.	2455.
(TONS)	27.34	329.33	51.70	1.05	2.70

DAILY TRAVEL STATS

Marion County

HPMS TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------				
INTERSTATE	(1)	253483.	4302.	58.92
OTH. PRINC. ART.	(2)	25370.	2520.	10.07
MINOR ARTERIAL	(6)	152244.	5622.	27.08
CENCON & INTRAS	(9)	10886.	544.	20.00
SUBTOTAL		441983.	12988.	34.03
-----URBAN------				
INTERSTATE	(11)	10720365.	216317.	49.56
OTH.FWY & XWAY	(12)	604267.	15730.	38.42
OTH. PRINC. ART.	(14)	6400923.	189060.	33.86
MINOR ARTERIAL	(16)	6398612.	182991.	34.97
CENCON & INTRAS	(19)	2011096.	134022.	15.01
SUBTOTAL		26135224.	738120.	35.41
TOTAL		26577216.	751108.	35.38

Hamilton County

HPMS TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------						
INTERSTATE	(1)	319.	4893.	812.	14.	37.
OTH. PRINC. ART.	(2)	674.	8825.	1316.	28.	73.
MINOR ARTERIAL	(6)	205.	2461.	368.	8.	21.
CENCON & INTRAS	(9)	331.	2442.	378.	8.	20.
SUBTOTAL		1529.	18621.	2875.	58.	151.
-----URBAN------						
INTERSTATE	(11)	577.	7827.	1264.	24.	63.
OTH.FWY & XWAY	(12)	856.	9909.	1494.	33.	85.
OTH. PRINC. ART.	(14)	882.	10379.	1579.	34.	88.
MINOR ARTERIAL	(16)	1107.	12870.	1939.	43.	112.
CENCON & INTRAS	(19)	783.	5779.	895.	19.	48.
SUBTOTAL		4205.	46764.	7171.	153.	396.
---TOTAL---		5734.	65385.	10045.	212.	547.
(TONS)		6.32	72.01	11.06	0.23	0.60

DAILY TRAVEL STATS

Hamilton County

HPMS TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------				
INTERSTATE	(1)	398585.	7085.	56.25
OTH. PRINC. ART.	(2)	787588.	17368.	45.35
MINOR ARTERIAL	(6)	229793.	5777.	39.78
CENCON & INTRAS	(9)	221518.	11076.	20.00
SUBTOTAL		1637484.	41307.	39.64
-----URBAN------				
INTERSTATE	(11)	683606.	14593.	46.84
OTH.FWY & XWAY	(12)	917158.	26397.	34.74

OTH. PRINC. ART.(14)	952222.	26879.	35.43
MINOR ARTERIAL (16)	1208025.	33172.	36.42
CENCON & INTRAS (19)	524234.	34374.	15.25
SUBTOTAL	4285242.	135415.	31.65
TOTAL	5922722.	176722.	33.51

Johnson County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	520.	8224.	1392.	23.	61.
OTH. PRINC. ART.(2)	587.	7991.	1209.	25.	64.
MINOR ARTERIAL (6)	122.	1692.	257.	5.	13.
CENCON & INTRAS (9)	309.	2282.	354.	7.	19.
SUBTOTAL	1538.	20189.	3212.	61.	158.
-----URBAN------					
INTERSTATE (11)	335.	5320.	905.	15.	39.
OTH.FWY & XWAY (12)	88.	1328.	207.	4.	10.
OTH. PRINC. ART.(14)	468.	5855.	876.	19.	49.
MINOR ARTERIAL (16)	373.	4474.	673.	15.	39.
CENCON & INTRAS (19)	379.	2797.	433.	9.	23.
SUBTOTAL	1643.	19774.	3094.	62.	160.
---TOTAL---	3182.	39963.	6306.	123.	318.
(TONS)	3.50	44.01	6.94	0.14	0.35

DAILY TRAVEL STATS

Johnson County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	656412.	11232.	58.44
OTH. PRINC. ART.(2)	696927.	14660.	47.54
MINOR ARTERIAL (6)	145934.	3001.	48.63
CENCON & INTRAS (9)	207006.	10350.	20.00
SUBTOTAL	1706280.	39243.	43.48
-----URBAN------			
INTERSTATE (11)	423085.	7197.	58.79
OTH.FWY & XWAY (12)	109129.	1971.	55.36
OTH. PRINC. ART.(14)	533797.	12781.	41.76
MINOR ARTERIAL (16)	417111.	10678.	39.06
CENCON & INTRAS (19)	253726.	16915.	15.00
SUBTOTAL	1736848.	49543.	35.06
TOTAL	3443129.	88786.	38.78

Hendricks County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	503.	8307.	1459.	23.	59.
OTH. PRINC. ART.(2)	476.	6224.	930.	20.	51.
MINOR ARTERIAL (6)	50.	608.	91.	2.	5.
CENCON & INTRAS (9)	281.	2075.	322.	7.	17.
SUBTOTAL	1310.	17215.	2801.	52.	133.
-----URBAN------					

INTERSTATE (11)	322.	5294.	924.	15.	38.
OTH. PRINC. ART.(14)	551.	6796.	1018.	22.	58.
MINOR ARTERIAL (16)	277.	3324.	498.	11.	29.
CENCON & INTRAS (19)	245.	1809.	280.	6.	15.
SUBTOTAL	1395.	17224.	2720.	54.	139.
---TOTAL---	2705.	34439.	5520.	105.	273.
(TONS)	2.98	37.93	6.08	0.12	0.30

DAILY TRAVEL STATS

Hendricks County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	642917.	10412.	61.75
OTH. PRINC. ART.(2)	555676.	12329.	45.07
MINOR ARTERIAL (6)	56614.	1412.	40.08
CENCON & INTRAS (9)	188286.	9414.	20.00
SUBTOTAL	1443493.	33568.	43.00
-----URBAN------			
INTERSTATE (11)	411334.	6709.	61.31
OTH. PRINC. ART.(14)	623862.	15311.	40.75
MINOR ARTERIAL (16)	310015.	7829.	39.60
CENCON & INTRAS (19)	164155.	10932.	15.02
SUBTOTAL	1509368.	40781.	37.01
TOTAL	2952859.	74349.	39.72

Hancock County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOX	TOTAL PM2.5	NH3
-----RURAL------					
OTH. PRINC. ART.(2)	333.	4299.	642.	14.	36.
MINOR ARTERIAL (6)	57.	693.	103.	2.	6.
CENCON & INTRAS (9)	163.	1202.	186.	4.	10.
SUBTOTAL	553.	6193.	931.	20.	52.
-----URBAN------					
INTERSTATE (11)	838.	13066.	2208.	38.	97.
OTH. PRINC. ART.(14)	367.	4545.	680.	15.	38.
MINOR ARTERIAL (16)	215.	2595.	388.	9.	22.
CENCON & INTRAS (19)	213.	1574.	244.	5.	13.
SUBTOTAL	1633.	21781.	3520.	66.	171.
---TOTAL---	2186.	27974.	4451.	86.	223.
(TONS)	2.41	30.81	4.90	0.09	0.25

DAILY TRAVEL STATS

Hancock County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
OTH. PRINC. ART.(2)	386187.	8719.	44.29
MINOR ARTERIAL (6)	64533.	1610.	40.07
CENCON & INTRAS (9)	109027.	5451.	20.00
SUBTOTAL	559746.	15781.	35.47
-----URBAN------			
INTERSTATE (11)	1051189.	18376.	57.21

OTH. PRINC. ART.(14)	414818.	10217.	40.60
MINOR ARTERIAL (16)	241267.	6025.	40.05
CENCON & INTRAS (19)	142838.	9522.	15.00
SUBTOTAL	1850111.	44139.	41.92
TOTAL	2409858.	59920.	40.22

Shelby County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	655.	10684.	1852.	30.	77.
OTH. PRINC. ART.(2)	347.	4490.	669.	14.	37.
MINOR ARTERIAL (6)	8.	106.	16.	0.	1.
CENCON & INTRAS (9)	217.	1603.	248.	5.	13.
SUBTOTAL	1227.	16883.	2785.	50.	129.
-----URBAN------					
INTERSTATE (11)	310.	5105.	894.	14.	37.
OTH. PRINC. ART.(14)	107.	1323.	198.	4.	11.
MINOR ARTERIAL (16)	26.	316.	47.	1.	3.
CENCON & INTRAS (19)	92.	685.	106.	2.	6.
SUBTOTAL	535.	7429.	1245.	22.	56.
---TOTAL---	1761.	24312.	4030.	71.	185.
(TONS)	1.94	26.77	4.44	0.08	0.20

DAILY TRAVEL STATS

Shelby County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	834384.	13723.	60.80
OTH. PRINC. ART.(2)	403064.	9048.	44.55
MINOR ARTERIAL (6)	9537.	225.	42.48
CENCON & INTRAS (9)	145410.	7293.	19.94
SUBTOTAL	1392395.	30288.	45.97
-----URBAN------			
INTERSTATE (11)	395971.	6437.	61.51
OTH. PRINC. ART.(14)	121696.	2940.	41.39
MINOR ARTERIAL (16)	29326.	729.	40.22
CENCON & INTRAS (19)	62143.	4070.	15.27
SUBTOTAL	609137.	14176.	42.97
TOTAL	2001531.	44464.	45.01

Boone County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	1019.	15944.	2698.	46.	118.
OTH. PRINC. ART.(2)	459.	6039.	900.	19.	50.
MINOR ARTERIAL (6)	46.	551.	82.	2.	5.
CENCON & INTRAS (9)	259.	1909.	296.	6.	16.
SUBTOTAL	1782.	24443.	3977.	73.	189.
-----URBAN------					
OTH. PRINC. ART.(14)	117.	1446.	216.	5.	12.
MINOR ARTERIAL (16)	47.	523.	79.	2.	5.

CENCON & INTRAS (19)	69.	507.	79.	2.	4.
SUBTOTAL	233.	2476.	374.	8.	21.
---TOTAL---	2015.	26920.	4351.	81.	210.
(TONS)	2.22	29.65	4.79	0.09	0.23

DAILY TRAVEL STATS

Boone County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	1279705.	22253.	57.51
OTH. PRINC. ART.(2)	537427.	11757.	45.71
MINOR ARTERIAL (6)	51310.	1278.	40.13
CENCON & INTRAS (9)	173205.	8660.	20.00
SUBTOTAL	2041649.	43948.	46.46
-----URBAN------			
OTH. PRINC. ART.(14)	133247.	3225.	41.32
MINOR ARTERIAL (16)	49452.	1488.	33.23
CENCON & INTRAS (19)	45985.	3066.	15.00
SUBTOTAL	326439.	9173.	35.59
TOTAL	2368088.	53122.	44.58

Morgan County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	269.	4443.	781.	12.	32.
OTH. PRINC. ART.(2)	961.	13075.	1984.	41.	105.
MINOR ARTERIAL (6)	70.	845.	126.	3.	7.
CENCON & INTRAS (9)	318.	2574.	408.	8.	21.
SUBTOTAL	1618.	20937.	3299.	64.	165.
-----URBAN------					
OTH. PRINC. ART.(14)	216.	3069.	480.	9.	24.
MINOR ARTERIAL (16)	24.	293.	44.	1.	3.
CENCON & INTRAS (19)	50.	367.	57.	1.	3.
SUBTOTAL	290.	3729.	580.	11.	30.
---TOTAL---	1908.	24666.	3879.	75.	195.
(TONS)	2.10	27.17	4.27	0.08	0.21

DAILY TRAVEL STATS

Morgan County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	343699.	5562.	61.79
OTH. PRINC. ART.(2)	1139076.	24108.	47.25
MINOR ARTERIAL (6)	78828.	1975.	39.92
CENCON & INTRAS (9)	227975.	10336.	22.06
SUBTOTAL	1789578.	41981.	42.63
-----URBAN------			
OTH. PRINC. ART.(14)	260141.	5214.	49.90
MINOR ARTERIAL (16)	27186.	668.	40.69
CENCON & INTRAS (19)	33273.	2218.	15.00
SUBTOTAL	320600.	8100.	39.58

TOTAL 2110178. 50081. 42.14

Madison County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	651.	10130.	1703.	29.	75.
OTH. PRINC. ART.(2)	700.	9184.	1370.	29.	76.
MINOR ARTERIAL (6)	4.	54.	8.	0.	0.
CENCON & INTRAS (9)	386.	2918.	451.	9.	24.
SUBTOTAL	1741.	22285.	3532.	68.	176.
-----URBAN------					
INTERSTATE (11)	161.	2574.	439.	7.	19.
OTH. PRINC. ART.(14)	704.	8693.	1298.	29.	74.
CENCON & INTRAS (19)	330.	2436.	378.	8.	20.
SUBTOTAL	1195.	13704.	2115.	44.	113.
---TOTAL---	2936.	35989.	5647.	112.	289.
(TONS)	3.23	39.64	6.22	0.12	0.32

DAILY TRAVEL STATS

Madison County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	816501.	14262.	57.25
OTH. PRINC. ART.(2)	818737.	18033.	45.40
MINOR ARTERIAL (6)	4995.	124.	40.35
CENCON & INTRAS (9)	264094.	12813.	20.61
SUBTOTAL	1904326.	45232.	42.10
-----URBAN------			
INTERSTATE (11)	203520.	3419.	59.52
OTH. PRINC. ART.(14)	799745.	19349.	41.33
CENCON & INTRAS (19)	221019.	14735.	15.00
SUBTOTAL	1224283.	37502.	32.65
TOTAL	3128610.	82734.	37.82

Total Model Area

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	4134.	65865.	11255.	187.	483.
OTH. PRINC. ART.(2)	4588.	60523.	9075.	191.	494.
MINOR ARTERIAL (6)	721.	8738.	1311.	28.	73.
CENCON & INTRAS (9)	2279.	17125.	2662.	55.	143.
SUBTOTAL	11722.	152251.	24302.	461.	1194.
-----URBAN------					
INTERSTATE (11)	11419.	167393.	27664.	496.	1283.
OTH.FWY & XWAY (12)	1487.	17845.	2697.	58.	151.
OTH. PRINC. ART.(14)	9441.	110969.	16703.	366.	946.
MINOR ARTERIAL (16)	8022.	92102.	13899.	310.	802.
CENCON & INTRAS (19)	5162.	38122.	5907.	124.	320.
SUBTOTAL	35531.	426431.	66870.	1354.	3502.
---TOTAL---	47253.	578682.	91172.	1815.	4695.
(TONS)	52.04	637.31	100.41	2.00	5.17

DAILY TRAVEL STATS

Total Model Area

HPMS TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------				
INTERSTATE	(1)	5225685.	88832.	58.83
OTH. PRINC. ART.	(2)	5350052.	118542.	45.13
MINOR ARTERIAL	(6)	793788.	21024.	37.76
CENCON & INTRAS	(9)	1547408.	75938.	20.38
SUBTOTAL		12916946.	304336.	42.44
-----URBAN------				
INTERSTATE	(11)	13986826.	274441.	50.96
OTH.FWY & XWAY	(12)	1630553.	44099.	36.98
OTH. PRINC. ART.	(14)	10240456.	284976.	35.93
MINOR ARTERIAL	(16)	8680994.	243581.	35.64
CENCON & INTRAS	(19)	3458468.	229853.	15.05
SUBTOTAL		37997300.	1076950.	35.28
TOTAL		50914200.	1381284.	36.86

INDIANAPOLIS REGIONAL TRAVEL DEMAND MODEL --
EMISSION MODEL FOR MOBILE 6.2 -- PROGRAM DATE: 12NOV2004
- RUN TIME: 08:00:31 29NOV06

EMISSIONS IN KILOGRAMS PER DAY
+++ ALTERNATIVE IS:06A
MOBILE6 INPUT FILE :

Marion County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CBD	(1)	1249.	14707.	2278.	47.	123.
CDB FRINGE	(2)	11628.	138478.	21506.	449.	1160.
RESIDENTIAL	(3)	11501.	139966.	22202.	436.	1129.
RURAL	(5)	450.	5883.	956.	17.	44.
---TOTAL---		24827.	299035.	46943.	949.	2455.
(TONS)		27.34	329.33	51.70	1.05	2.70

Marion County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	8836.	128056.	21195.	383.	992.
EXPRESSWAY	(2)	531.	6450.	973.	21.	54.
2-WAY ART w/prk	(3)	6117.	69441.	10493.	234.	606.
ONE-WAY ARTERIAL	(4)	671.	7596.	1150.	26.	66.
CENTROID CONNECT	(5)	3017.	22277.	3452.	72.	187.
2-WAY ART wo/prk	(6)	5415.	61824.	9287.	204.	528.
FREEWAY RAMPS	(7)	239.	3390.	393.	8.	22.
---TOTAL---		24827.	299035.	46943.	949.	2455.
(TONS)		27.34	329.33	51.70	1.05	2.70

DAILY TRAVEL STATS

Marion County

AREA TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED

CBD	(1)	1328063.	39047.	34.01
CDB FRINGE	(2)	12561890.	348952.	36.00
RESIDENTIAL	(3)	12214192.	349577.	34.94
RURAL	(5)	473095.	13532.	34.96
TOTAL		26577216.	751108.	35.38

Marion County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	10737974.	209925.	51.15
EXPRESSWAY	(2)	589701.	15376.	38.35
2-WAY ART w/prk	(3)	6554072.	188930.	34.69
ONE-WAY ARTERIAL	(4)	719259.	20749.	34.66
CENTROID CONNECT	(5)	2020928.	134531.	15.02
2-WAY ART wo/prk	(6)	5719437.	170903.	33.47
FREEWAY RAMPS	(7)	235873.	10694.	22.06
TOTAL		26577216.	751108.	35.38

Hamilton County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CDB FRINGE	(2)	299.	3926.	630.	12.	31.
RESIDENTIAL	(3)	3548.	38757.	5909.	128.	330.
SUBURBAN CBD	(4)	326.	3533.	535.	12.	30.
RURAL	(5)	1562.	19169.	2971.	60.	155.
---TOTAL---		5734.	65385.	10045.	212.	547.
(TONS)		6.32	72.01	11.06	0.23	0.60

Hamilton County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	930.	13268.	2173.	40.	104.
EXPRESSWAY	(2)	1160.	13964.	2100.	46.	118.
2-WAY ART w/prk	(3)	1179.	13640.	2055.	46.	119.
ONE-WAY ARTERIAL	(4)	1.	11.	2.	0.	0.
CENTROID CONNECT	(5)	1113.	8220.	1274.	27.	69.
2-WAY ART wo/prk	(6)	1351.	16280.	2442.	53.	138.
---TOTAL---		5734.	65385.	10045.	212.	547.
(TONS)		6.32	72.01	11.06	0.23	0.60

DAILY TRAVEL STATS

Hamilton County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
CDB FRINGE	(2)	339342.	8227.	41.25
RESIDENTIAL	(3)	3576266.	115769.	30.89
SUBURBAN CBD	(4)	327306.	10736.	30.49
RURAL	(5)	1679816.	41990.	40.01
TOTAL		5922722.	176722.	33.51

Hamilton County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1124522.	22362.	50.29
EXPRESSWAY	(2)	1275340.	34076.	37.43
2-WAY ART w/prk	(3)	1284433.	35412.	36.27
ONE-WAY ARTERIAL	(4)	1055.	26.	40.00
CENTROID CONNECT	(5)	745752.	45449.	16.41
2-WAY ART wo/prk	(6)	1491627.	39396.	37.86
TOTAL		5922722.	176722.	33.51

Johnson County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CDB FRINGE	(2)	126.	1394.	210.	5.	12.
RESIDENTIAL	(3)	1344.	16504.	2601.	51.	133.
SUBURBAN CBD	(4)	174.	1876.	283.	6.	16.
RURAL	(5)	1538.	20189.	3212.	61.	158.
---TOTAL---		3182.	39963.	6306.	123.	318.
(TONS)		3.50	44.01	6.94	0.14	0.35

Johnson County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	855.	13544.	2297.	39.	100.
EXPRESSWAY	(2)	142.	2193.	346.	6.	16.
2-WAY ART w/prk	(3)	495.	6166.	930.	20.	52.
CENTROID CONNECT	(5)	688.	5079.	787.	16.	43.
2-WAY ART wo/prk	(6)	1001.	12981.	1946.	41.	107.
---TOTAL---		3182.	39963.	6306.	123.	318.
(TONS)		3.50	44.01	6.94	0.14	0.35

DAILY TRAVEL STATS

Johnson County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
CDB FRINGE	(2)	129652.	3952.	32.80
RESIDENTIAL	(3)	1435396.	39866.	36.01
SUBURBAN CBD	(4)	171800.	5725.	30.01
RURAL	(5)	1706280.	39243.	43.48
TOTAL		3443129.	88786.	38.78

Johnson County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1079497.	18429.	58.57
EXPRESSWAY	(2)	178152.	3152.	56.52
2-WAY ART w/prk	(3)	563045.	13679.	41.16
CENTROID CONNECT	(5)	460732.	27265.	16.90
2-WAY ART wo/prk	(6)	1161702.	26261.	44.24
TOTAL		3443129.	88786.	38.78

Hendricks County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	1391.	17173.	2712.	54.	139.
RURAL	(5)	1314.	17266.	2808.	52.	134.
---TOTAL---		2705.	34439.	5520.	105.	273.
(TONS)		2.98	37.93	6.08	0.12	0.30

Hendricks County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	825.	13601.	2383.	38.	97.
2-WAY ART w/prk	(3)	310.	3721.	557.	12.	32.
CENTROID CONNECT	(5)	526.	3882.	601.	13.	33.
2-WAY ART wo/prk	(6)	1045.	13234.	1979.	43.	111.
---TOTAL---		2705.	34439.	5520.	105.	273.
(TONS)		2.98	37.93	6.08	0.12	0.30

DAILY TRAVEL STATS

Hendricks County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	1504721.	40672.	37.00
RURAL	(5)	1448140.	33676.	43.00
TOTAL		2952859.	74349.	39.72

Hendricks County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1054251.	17121.	61.58
2-WAY ART w/prk	(3)	347510.	8799.	39.49
CENTROID CONNECT	(5)	352165.	20339.	17.31
2-WAY ART wo/prk	(6)	1198934.	28089.	42.68
TOTAL		2952859.	74349.	39.72

Hancock County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	1603.	21449.	3470.	65.	168.
SUBURBAN CBD	(4)	30.	332.	50.	1.	3.
RURAL	(5)	553.	6193.	931.	20.	52.
---TOTAL---		2186.	27974.	4451.	86.	223.
(TONS)		2.41	30.81	4.90	0.09	0.25

Hancock County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	838.	13066.	2208.	38.	97.

2-WAY ART w/prk	(3)	272.	3288.	491.	11.	28.
CENTROID CONNECT	(5)	376.	2776.	430.	9.	23.
2-WAY ART wo/prk	(6)	700.	8844.	1322.	29.	74.
---TOTAL---		2186.	27974.	4451.	86.	223.
(TONS)		2.41	30.81	4.90	0.09	0.25

DAILY TRAVEL STATS

Hancock County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	1820010.	43182.	42.15
SUBURBAN CBD	(4)	30102.	958.	31.43
RURAL	(5)	559746.	15781.	35.47
TOTAL		2409858.	59920.	40.22

Hancock County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1051189.	18376.	57.21
2-WAY ART w/prk	(3)	305799.	7635.	40.05
CENTROID CONNECT	(5)	251864.	14974.	16.82
2-WAY ART wo/prk	(6)	801005.	18936.	42.30
TOTAL		2409858.	59920.	40.22

Shelby County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	528.	7345.	1232.	21.	56.
SUBURBAN CBD	(4)	8.	98.	15.	0.	1.
RURAL	(5)	1225.	16868.	2783.	50.	129.
---TOTAL---		1761.	24312.	4030.	71.	185.
(TONS)		1.94	26.77	4.44	0.08	0.20

Shelby County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	964.	15789.	2745.	44.	114.
2-WAY ART w/prk	(3)	36.	449.	68.	1.	4.
CENTROID CONNECT	(5)	307.	2269.	352.	7.	19.
2-WAY ART wo/prk	(6)	453.	5804.	866.	19.	48.
---TOTAL---		1761.	24312.	4030.	71.	185.
(TONS)		1.94	26.77	4.44	0.08	0.20

DAILY TRAVEL STATS

Shelby County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	601561.	14016.	42.92
SUBURBAN CBD	(4)	8905.	249.	35.78
RURAL	(5)	1391066.	30199.	46.06

TOTAL	2001531.	44464.	45.01

Shelby County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1230355.	20160.	61.03
2-WAY ART w/prk	(3)	41198.	1000.	41.21
CENTROID CONNECT	(5)	205825.	11320.	18.18
2-WAY ART wo/prk	(6)	524153.	11984.	43.74
TOTAL		2001531.	44464.	45.01

Boone County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	227.	2405.	363.	8.	21.
SUBURBAN CBD	(4)	6.	72.	11.	0.	1.
RURAL	(5)	1782.	24443.	3977.	73.	189.
---TOTAL---		2015.	26920.	4351.	81.	210.
(TONS)		2.22	29.65	4.79	0.09	0.23

Boone County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	1019.	15944.	2698.	46.	118.
2-WAY ART w/prk	(3)	92.	1074.	162.	4.	9.
CENTROID CONNECT	(5)	327.	2416.	374.	8.	20.
2-WAY ART wo/prk	(6)	576.	7485.	1116.	24.	62.
---TOTAL---		2015.	26920.	4351.	81.	210.
(TONS)		2.22	29.65	4.79	0.09	0.23

DAILY TRAVEL STATS

Boone County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	320040.	8987.	35.61
SUBURBAN CBD	(4)	6399.	186.	34.37
RURAL	(5)	2041649.	43948.	46.46
TOTAL		2368088.	53122.	44.58

Boone County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1377459.	23647.	58.25
2-WAY ART w/prk	(3)	100762.	2767.	36.42
CENTROID CONNECT	(5)	219191.	11726.	18.69
2-WAY ART wo/prk	(6)	670675.	14982.	44.77
TOTAL		2368088.	53122.	44.58

Morgan County

VOC EXHST EXHST TOTAL

AREA TYPE		HC	CO	NOx	PM2.5	NH3
RESIDENTIAL	(3)	271.	3429.	528.	11.	27.
SUBURBAN CBD	(4)	1.	16.	2.	0.	0.
RURAL	(5)	1635.	21220.	3349.	65.	167.
---TOTAL---		1908.	24666.	3879.	75.	195.
(TONS)		2.10	27.17	4.27	0.08	0.21

Morgan County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	310.	5133.	902.	14.	37.
EXPRESSWAY	(2)	92.	1474.	239.	4.	11.
2-WAY ART w/prk	(3)	94.	1138.	170.	4.	10.
CENTROID CONNECT	(5)	343.	2534.	393.	8.	21.
2-WAY ART wo/prk	(6)	1068.	14386.	2175.	45.	117.
---TOTAL---		1908.	24666.	3879.	75.	195.
(TONS)		2.10	27.17	4.27	0.08	0.21

DAILY TRAVEL STATS

Morgan County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	297244.	7707.	38.57
SUBURBAN CBD	(4)	1491.	40.	37.02
RURAL	(5)	1811443.	42333.	42.79
TOTAL		2110178.	50081.	42.14

Morgan County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	396910.	6419.	61.83
EXPRESSWAY	(2)	116450.	1953.	59.62
2-WAY ART w/prk	(3)	106014.	2643.	40.11
CENTROID CONNECT	(5)	229902.	12050.	19.08
2-WAY ART wo/prk	(6)	1260903.	27016.	46.67
TOTAL		2110178.	50081.	42.14

Madison County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	1134.	12984.	2008.	41.	107.
SUBURBAN CBD	(4)	61.	719.	108.	2.	6.
RURAL	(5)	1741.	22285.	3532.	68.	176.
---TOTAL---		2936.	35989.	5647.	112.	289.
(TONS)		3.23	39.64	6.22	0.12	0.32

Madison County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3

FREEWAY	(1)	811.	12704.	2142.	36.	94.
2-WAY ART w/prk	(3)	4.	54.	8.	0.	0.
CENTROID CONNECT	(5)	705.	5202.	806.	17.	44.
2-WAY ART wo/prk	(6)	1416.	18029.	2691.	58.	151.
---TOTAL---		2936.	35989.	5647.	112.	289.
(TONS)		3.23	39.64	6.22	0.12	0.32

DAILY TRAVEL STATS

Madison County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	1157994.	35733.	32.41
SUBURBAN CBD	(4)	66290.	1769.	37.47
RURAL	(5)	1904326.	45232.	42.10
TOTAL		3128610.	82734.	37.82

Madison County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1020020.	17681.	57.69
2-WAY ART w/prk	(3)	4995.	124.	40.35
CENTROID CONNECT	(5)	471896.	27278.	17.30
2-WAY ART wo/prk	(6)	1631699.	37651.	43.34
TOTAL		3128610.	82734.	37.82

Total Model Area

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CBD	(1)	1249.	14707.	2278.	47.	123.
CDB FRINGE	(2)	12052.	143799.	22346.	465.	1204.
RESIDENTIAL	(3)	21547.	260011.	41026.	815.	2109.
SUBURBAN CBD	(4)	606.	6647.	1003.	22.	57.
RURAL	(5)	11800.	153517.	24519.	465.	1203.
---TOTAL---		47253.	578682.	91172.	1815.	4695.
(TONS)		52.04	637.31	100.41	2.00	5.17

Total Model Area

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	15389.	231106.	38743.	677.	1753.
EXPRESSWAY	(2)	1924.	24081.	3657.	77.	200.
2-WAY ART w/prk	(3)	8601.	98972.	14934.	332.	860.
ONE-WAY ARTERIAL	(4)	672.	7608.	1152.	26.	67.
CENTROID CONNECT	(5)	7403.	54655.	8469.	178.	458.
2-WAY ART wo/prk	(6)	13026.	158869.	23824.	516.	1336.
FREEWAY RAMPS	(7)	239.	3390.	393.	8.	22.
---TOTAL---		47253.	578682.	91172.	1815.	4695.
(TONS)		52.04	637.31	100.41	2.00	5.17

DAILY TRAVEL STATS

Total Model Area

	DAILY	DAILY	AVERAGE

AREA TYPE		VMT	VHT	SPEED
CBD	(1)	1328063.	39047.	34.01
CDB FRINGE	(2)	13030886.	361131.	36.08
RESIDENTIAL	(3)	22927430.	655510.	34.98
SUBURBAN CBD	(4)	612291.	19662.	31.14
RURAL	(5)	13015572.	305935.	42.54
TOTAL		50914200.	1381284.	36.86

Total Model Area

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	19072180.	354119.	53.86
EXPRESSWAY	(2)	2159643.	54557.	39.59
2-WAY ART w/prk	(3)	9307830.	260989.	35.66
ONE-WAY ARTERIAL	(4)	720314.	20775.	34.67
CENTROID CONNECT	(5)	4958253.	304933.	16.26
2-WAY ART wo/prk	(6)	14460144.	375218.	38.54
FREEWAY RAMPS	(7)	235873.	10694.	22.06
TOTAL		50914200.	1381284.	36.86

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MOBILE6 INPUT FILE :
PARTICULATES
>Indy MPO 2020 July
RUN DATA
NO REFUELING        :
EXPRESS HC AS VOC   :
MIN/MAX TEMP        : 65.5  85.5
ABSOLUTE HUMIDITY   : 87.3
CLOUD COVER         : 0.34
SUNRISE/SUNSET      : 6 8
REG DIST            :c:\I98\m6\IN_grp3.d
FUEL RVP            :  9.0


SCENARIO RECORD     : ~ 3.0 NON-RAMP
AVERAGE SPEED       :  3.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~ 5.0 NON-RAMP
AVERAGE SPEED       :  5.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~10.0 NON-RAMP
AVERAGE SPEED       : 10.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~15.0 NON-RAMP
AVERAGE SPEED       : 15.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~20.0 NON-RAMP
AVERAGE SPEED       : 20.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00
```

```
SCENARIO RECORD     : ~25.0 NON-RAMP
AVERAGE SPEED       : 25.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~30.0 NON-RAMP
AVERAGE SPEED       : 30.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~35.0 NON-RAMP
AVERAGE SPEED       : 35.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~40.0 NON-RAMP
AVERAGE SPEED       : 40.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~45.0 NON-RAMP
AVERAGE SPEED       : 45.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~50.0 NON-RAMP
AVERAGE SPEED       : 50.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~55.0 NON-RAMP
AVERAGE SPEED       : 55.0 NON-RAMP
```

```
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~60.0 NON-RAMP
AVERAGE SPEED       : 60.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~65.0 NON-RAMP
AVERAGE SPEED       : 65.0 NON-RAMP
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~ 3.0 ARTERIAL
AVERAGE SPEED       :  3.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~ 5.0 ARTERIAL
AVERAGE SPEED       :  5.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~10.0 ARTERIAL
AVERAGE SPEED       : 10.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~15.0 ARTERIAL
AVERAGE SPEED       : 15.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
```

```
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE      :    2.50
DIESEL SULFUR      :   15.00


SCENARIO RECORD    : ~20.0 ARTERIAL
AVERAGE SPEED      : 20.0 ARTERIAL
CALENDAR YEAR      : 2020
EVALUATION MONTH   : 7
PARTICULATE EF     : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE      :    2.50
DIESEL SULFUR      :   15.00


SCENARIO RECORD    : ~25.0 ARTERIAL
AVERAGE SPEED      : 25.0 ARTERIAL
CALENDAR YEAR      : 2020
EVALUATION MONTH   : 7
PARTICULATE EF     : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE      :    2.50
DIESEL SULFUR      :   15.00


SCENARIO RECORD    : ~30.0 ARTERIAL
AVERAGE SPEED      : 30.0 ARTERIAL
CALENDAR YEAR      : 2020
EVALUATION MONTH   : 7
PARTICULATE EF     : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE      :    2.50
DIESEL SULFUR      :   15.00


SCENARIO RECORD    : ~35.0 ARTERIAL
AVERAGE SPEED      : 35.0 ARTERIAL
CALENDAR YEAR      : 2020
EVALUATION MONTH   : 7
PARTICULATE EF     : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE      :    2.50
DIESEL SULFUR      :   15.00


SCENARIO RECORD    : ~40.0 ARTERIAL
AVERAGE SPEED      : 40.0 ARTERIAL
CALENDAR YEAR      : 2020
EVALUATION MONTH   : 7
PARTICULATE EF     : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE      :    2.50
DIESEL SULFUR      :   15.00


SCENARIO RECORD    : ~45.0 ARTERIAL
AVERAGE SPEED      : 45.0 ARTERIAL
CALENDAR YEAR      : 2020
EVALUATION MONTH   : 7
PARTICULATE EF     : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE      :    2.50
DIESEL SULFUR      :   15.00
```

```
SCENARIO RECORD     : ~50.0 ARTERIAL
AVERAGE SPEED       : 50.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~55.0 ARTERIAL
AVERAGE SPEED       : 55.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~60.0 ARTERIAL
AVERAGE SPEED       : 60.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~65.0 ARTERIAL
AVERAGE SPEED       : 65.0 ARTERIAL
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~VMT BY FACILITY
VMT BY FACILITY     : c:\I98\m6\fvmt.def
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


SCENARIO RECORD     : ~VMT BY FACILITY
VMT BY FACILITY     : c:\I98\m6\rmpvmt.def
CALENDAR YEAR       : 2020
EVALUATION MONTH    : 7
PARTICULATE EF      : c:\I98\m6\PMGZML.CSV c:\I98\m6\PMGDR1.CSV c:\I98\m6\PMGDR2.CSV
c:\I98\m6\PMDZML.CSV c:\I98\m6\PMDDR1.CSV c:\I98\m6\PMDDR2.CSV
PARTICLE SIZE       :    2.50
DIESEL SULFUR       :   15.00


END OF RUN
```

INDIANAPOLIS REGIONAL TRAVEL DEMAND MODEL --
EMISSION MODEL FOR MOBILE 6.2 -- PROGRAM DATE: 12NOV2004
- RUN TIME: 11:03:56 29NOV06

** EMISSION FACTORS FROM MOBILE 6.2

Road Class	Speed	HC	CO	NOx	PM	NH3
Freeway	3	2.3820	19.0680	0.7590	0.0141	0.0927
Freeway	5	1.2380	13.6110	0.6970	0.0141	0.0927
Freeway	10	0.6900	8.9170	0.5230	0.0141	0.0927
Freeway	15	0.5190	7.3950	0.4340	0.0141	0.0927
Freeway	20	0.4340	6.8930	0.4230	0.0141	0.0927
Freeway	25	0.4010	6.6570	0.4150	0.0141	0.0927
Freeway	30	0.3780	6.5020	0.4120	0.0141	0.0927
Freeway	35	0.3580	6.5040	0.4110	0.0140	0.0927
Freeway	40	0.3450	6.7660	0.4180	0.0140	0.0927
Freeway	45	0.3350	7.0430	0.4310	0.0140	0.0927
Freeway	50	0.3260	7.3340	0.4500	0.0140	0.0927
Freeway	55	0.3190	7.6410	0.4750	0.0140	0.0927
Freeway	60	0.3150	8.0000	0.5100	0.0140	0.0927
Freeway	65	0.3120	8.3840	0.5570	0.0140	0.0927
Arterial	3	2.3820	19.0680	0.7490	0.0141	0.0927
Arterial	5	1.2380	13.6110	0.6880	0.0141	0.0927
Arterial	10	0.7180	9.4290	0.5660	0.0141	0.0927
Arterial	15	0.5520	8.0010	0.4890	0.0141	0.0927
Arterial	20	0.4500	7.1260	0.4470	0.0141	0.0927
Arterial	25	0.4070	6.7120	0.4220	0.0141	0.0927
Arterial	30	0.3790	6.5120	0.4060	0.0141	0.0927
Arterial	35	0.3580	6.5040	0.4010	0.0140	0.0927
Arterial	40	0.3450	6.7660	0.4080	0.0140	0.0927
Arterial	45	0.3350	7.0430	0.4210	0.0140	0.0927
Arterial	50	0.3260	7.3340	0.4400	0.0140	0.0927
Arterial	55	0.3190	7.6410	0.4650	0.0140	0.0927
Arterial	60	0.3150	8.0000	0.5000	0.0140	0.0927
Arterial	65	0.3120	8.3840	0.5470	0.0140	0.0927
Local	1	0.5960	7.3680	0.4360	0.0141	0.0927
Ramps	1	0.3820	8.3350	0.4440	0.0140	0.0927

INDIANAPOLIS REGIONAL TRAVEL DEMAND MODEL --
EMISSION MODEL FOR MOBILE 6.2 -- PROGRAM DATE: 12NOV2004
- RUN TIME: 11:03:56 29NOV06

EMISSIONS IN KILOGRAMS PER DAY
+++ ALTERNATIVE IS:20A
MOBILE6 INPUT FILE :

Marion County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	100.	2522.	160.	4.	29.
OTH. PRINC. ART.(2)	24.	296.	16.	0.	2.
MINOR ARTERIAL (6)	67.	1252.	77.	3.	17.
CENCON & INTRAS (9)	10.	127.	7.	0.	2.
SUBTOTAL	202.	4197.	260.	8.	51.
-----URBAN------					
INTERSTATE (11)	4276.	97910.	6107.	183.	1209.
OTH.FWY & XWAY (12)	301.	5960.	361.	12.	78.
OTH. PRINC. ART.(14)	2536.	47105.	2871.	98.	647.
MINOR ARTERIAL (16)	2599.	47972.	2937.	101.	667.
CENCON & INTRAS (19)	1332.	16469.	975.	32.	207.
SUBTOTAL	11043.	215416.	13251.	425.	2808.

---TOTAL---	11246.	219613.	13511.	432.	2859.
(TONS)	12.39	241.86	14.88	0.48	3.15

DAILY TRAVEL STATS

Marion County

HPMS TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------				
INTERSTATE	(1)	317717.	5447.	58.32
OTH. PRINC. ART.	(2)	26438.	3296.	8.02
MINOR ARTERIAL	(6)	186932.	5316.	35.16
CENCON & INTRAS	(9)	17197.	860.	20.00
SUBTOTAL		548285.	14919.	36.75
-----URBAN------				
INTERSTATE	(11)	13043917.	272995.	47.78
OTH.FWY & XWAY	(12)	843711.	23265.	36.27
OTH. PRINC. ART.	(14)	7038804.	242031.	29.08
MINOR ARTERIAL	(16)	7191019.	207822.	34.60
CENCON & INTRAS	(19)	2235261.	149009.	15.00
SUBTOTAL		30352698.	895121.	33.91
TOTAL		30900982.	910041.	33.96

Hamilton County

HPMS TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------						
INTERSTATE	(1)	160.	3746.	234.	7.	46.
OTH. PRINC. ART.	(2)	377.	7667.	468.	15.	102.
MINOR ARTERIAL	(6)	121.	2365.	143.	5.	32.
CENCON & INTRAS	(9)	186.	2294.	136.	4.	29.
SUBTOTAL		843.	16072.	981.	32.	209.
-----URBAN------						
INTERSTATE	(11)	296.	7076.	443.	13.	86.
OTH.FWY & XWAY	(12)	478.	10254.	635.	20.	132.
OTH. PRINC. ART.	(14)	427.	8443.	511.	17.	114.
MINOR ARTERIAL	(16)	453.	8647.	525.	18.	118.
CENCON & INTRAS	(19)	373.	4611.	273.	9.	58.
SUBTOTAL		2027.	39030.	2387.	77.	508.
---TOTAL---		2870.	55102.	3368.	108.	717.
(TONS)		3.16	60.68	3.71	0.12	0.79

DAILY TRAVEL STATS

Hamilton County

HPMS TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------				
INTERSTATE	(1)	494584.	9353.	52.88
OTH. PRINC. ART.	(2)	1102512.	26430.	41.71
MINOR ARTERIAL	(6)	349160.	8830.	39.54
CENCON & INTRAS	(9)	311367.	15568.	20.00
SUBTOTAL		2257624.	60180.	37.51
-----URBAN------				
INTERSTATE	(11)	923351.	16976.	54.39
OTH.FWY & XWAY	(12)	1425661.	31672.	45.01

OTH. PRINC. ART.(14)	1228808.	31243.	39.33
MINOR ARTERIAL (16)	1275772.	34641.	36.83
CENCON & INTRAS (19)	625777.	41227.	15.18
SUBTOTAL	5479366.	155760.	35.18
TOTAL	7736982.	215940.	35.83

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Johnson County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	275.	6336.	394.	12.	79.
OTH. PRINC. ART.(2)	303.	6567.	399.	13.	84.
MINOR ARTERIAL (6)	62.	1315.	79.	3.	17.
CENCON & INTRAS (9)	176.	2175.	129.	4.	27.
SUBTOTAL	816.	16393.	1001.	31.	207.
-----URBAN------					
INTERSTATE (11)	173.	4482.	289.	8.	51.
OTH.FWY & XWAY (12)	53.	1346.	86.	2.	16.
OTH. PRINC. ART.(14)	220.	4427.	267.	9.	60.
MINOR ARTERIAL (16)	184.	3494.	213.	7.	48.
CENCON & INTRAS (19)	168.	2081.	123.	4.	26.
SUBTOTAL	799.	15830.	978.	30.	201.
---TOTAL---	1615.	32222.	1979.	62.	408.
(TONS)	1.78	35.49	2.18	0.07	0.45

DAILY TRAVEL STATS

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Johnson County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	847113.	16420.	51.59
OTH. PRINC. ART.(2)	908197.	19779.	45.92
MINOR ARTERIAL (6)	185532.	4144.	44.77
CENCON & INTRAS (9)	295143.	14757.	20.00
SUBTOTAL	2235985.	55100.	40.58
-----URBAN------			
INTERSTATE (11)	552146.	8975.	61.52
OTH.FWY & XWAY (12)	168203.	2803.	60.00
OTH. PRINC. ART.(14)	642813.	15616.	41.16
MINOR ARTERIAL (16)	519294.	14111.	36.80
CENCON & INTRAS (19)	282466.	18831.	15.00
SUBTOTAL	2164921.	60336.	35.88
TOTAL	4400908.	115436.	38.12

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Hendricks County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	261.	6703.	431.	12.	77.
OTH. PRINC. ART.(2)	249.	5266.	316.	10.	69.
MINOR ARTERIAL (6)	25.	487.	29.	1.	7.
CENCON & INTRAS (9)	164.	2023.	120.	4.	25.
SUBTOTAL	699.	14479.	895.	27.	178.
-----URBAN------					

INTERSTATE (11)	158.	4051.	261.	7.	47.
OTH. PRINC. ART.(14)	279.	5639.	340.	11.	76.
MINOR ARTERIAL (16)	133.	2645.	159.	5.	36.
CENCON & INTRAS (19)	113.	1403.	83.	3.	18.
SUBTOTAL	683.	13738.	843.	27.	176.
---TOTAL---	1382.	28217.	1739.	53.	354.
(TONS)	1.52	31.08	1.91	0.06	0.39

DAILY TRAVEL STATS

Hendricks County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	830651.	13640.	60.90
OTH. PRINC. ART.(2)	742273.	16568.	44.80
MINOR ARTERIAL (6)	72407.	1844.	39.26
CENCON & INTRAS (9)	274511.	13725.	20.00
SUBTOTAL	1919842.	45777.	41.94
-----URBAN------			
INTERSTATE (11)	501788.	8254.	60.80
OTH. PRINC. ART.(14)	817634.	19595.	41.73
MINOR ARTERIAL (16)	386937.	9439.	40.99
CENCON & INTRAS (19)	190466.	12683.	15.02
SUBTOTAL	1896824.	49970.	37.96
TOTAL	3816666.	95746.	39.86

Hancock County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
OTH. PRINC. ART.(2)	175.	3606.	217.	7.	48.
MINOR ARTERIAL (6)	35.	688.	42.	1.	9.
CENCON & INTRAS (9)	90.	1118.	66.	2.	14.
SUBTOTAL	301.	5412.	325.	11.	71.
-----URBAN------					
INTERSTATE (11)	419.	10517.	667.	19.	123.
OTH. PRINC. ART.(14)	183.	3678.	221.	7.	49.
MINOR ARTERIAL (16)	112.	2161.	131.	4.	30.
CENCON & INTRAS (19)	102.	1259.	74.	2.	16.
SUBTOTAL	816.	17615.	1094.	33.	217.
---TOTAL---	1117.	23026.	1418.	44.	288.
(TONS)	1.23	25.36	1.56	0.05	0.32

DAILY TRAVEL STATS

Hancock County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
OTH. PRINC. ART.(2)	515030.	12138.	42.43
MINOR ARTERIAL (6)	102120.	2617.	39.02
CENCON & INTRAS (9)	151713.	7586.	20.00
SUBTOTAL	768863.	22340.	34.42
-----URBAN------			
INTERSTATE (11)	1326175.	22470.	59.02

OTH. PRINC. ART.(14)	525448.	13203.	39.80
MINOR ARTERIAL (16)	320263.	8475.	37.79
CENCON & INTRAS (19)	170810.	11387.	15.00
SUBTOTAL	2342696.	55536.	42.18
TOTAL	3111558.	77876.	39.96

Shelby County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	340.	8398.	531.	15.	99.
OTH. PRINC. ART.(2)	158.	3279.	197.	7.	43.
MINOR ARTERIAL (6)	4.	91.	6.	0.	1.
CENCON & INTRAS (9)	93.	1152.	68.	2.	14.
SUBTOTAL	596.	12920.	801.	24.	158.
-----URBAN------					
INTERSTATE (11)	157.	3906.	247.	7.	46.
OTH. PRINC. ART.(14)	46.	926.	56.	2.	13.
MINOR ARTERIAL (16)	17.	338.	20.	1.	5.
CENCON & INTRAS (19)	33.	409.	24.	1.	5.
SUBTOTAL	253.	5579.	347.	10.	68.
---TOTAL---	849.	18499.	1149.	34.	227.
(TONS)	0.94	20.37	1.27	0.04	0.25

DAILY TRAVEL STATS

Shelby County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	1071553.	18645.	57.47
OTH. PRINC. ART.(2)	467892.	10826.	43.22
MINOR ARTERIAL (6)	13006.	304.	42.72
CENCON & INTRAS (9)	156353.	7999.	19.55
SUBTOTAL	1708804.	37774.	45.24
-----URBAN------			
INTERSTATE (11)	495562.	8496.	58.33
OTH. PRINC. ART.(14)	135091.	3307.	40.85
MINOR ARTERIAL (16)	49794.	1240.	40.17
CENCON & INTRAS (19)	55658.	3618.	15.39
SUBTOTAL	736105.	16660.	44.18
TOTAL	2444910.	54434.	44.91

Boone County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	502.	12733.	813.	22.	148.
OTH. PRINC. ART.(2)	228.	4841.	290.	10.	63.
MINOR ARTERIAL (6)	20.	398.	24.	1.	5.
CENCON & INTRAS (9)	139.	1713.	101.	3.	22.
SUBTOTAL	889.	19685.	1228.	36.	238.
-----URBAN------					
OTH. PRINC. ART.(14)	56.	1134.	68.	2.	15.
MINOR ARTERIAL (16)	20.	363.	22.	1.	5.

CENCON & INTRAS (19)	27.	337.	20.	1.	4.
SUBTOTAL	103.	1833.	110.	4.	24.
---TOTAL---	992.	21518.	1338.	40.	262.
(TONS)	1.09	23.70	1.47	0.04	0.29

DAILY TRAVEL STATS

Boone County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	1591957.	26562.	59.93
OTH. PRINC. ART.(2)	683800.	15009.	45.56
MINOR ARTERIAL (6)	58734.	1466.	40.05
CENCON & INTRAS (9)	232467.	11623.	20.00
SUBTOTAL	2566956.	54661.	46.96
-----URBAN------			
OTH. PRINC. ART.(14)	164110.	3871.	42.39
MINOR ARTERIAL (16)	53885.	1735.	31.05
CENCON & INTRAS (19)	45703.	3047.	15.00
SUBTOTAL	389601.	10454.	37.27
TOTAL	2956558.	65116.	45.40

Morgan County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	139.	3547.	227.	6.	41.
OTH. PRINC. ART.(2)	466.	10796.	675.	20.	132.
MINOR ARTERIAL (6)	33.	643.	39.	1.	9.
CENCON & INTRAS (9)	172.	2130.	126.	4.	27.
SUBTOTAL	810.	17115.	1067.	32.	209.
-----URBAN------					
OTH. PRINC. ART.(14)	88.	1986.	122.	4.	25.
MINOR ARTERIAL (16)	10.	200.	12.	0.	3.
CENCON & INTRAS (19)	18.	226.	13.	0.	3.
SUBTOTAL	116.	2412.	147.	5.	30.
---TOTAL---	925.	19527.	1214.	36.	239.
(TONS)	1.02	21.51	1.34	0.04	0.26

DAILY TRAVEL STATS

Morgan County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	440966.	7279.	60.58
OTH. PRINC. ART.(2)	1426369.	28150.	50.67
MINOR ARTERIAL (6)	95338.	2408.	39.60
CENCON & INTRAS (9)	289051.	14452.	20.00
SUBTOTAL	2251725.	52289.	43.06
-----URBAN------			
OTH. PRINC. ART.(14)	267336.	5393.	49.57
MINOR ARTERIAL (16)	29360.	721.	40.70
CENCON & INTRAS (19)	30615.	2041.	15.00
SUBTOTAL	327311.	8156.	40.13

TOTAL	2579036.	60444.	42.67

Madison County

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	331.	7512.	465.	14.	94.
OTH. PRINC. ART.(2)	340.	7127.	427.	14.	94.
MINOR ARTERIAL (6)	4.	83.	5.	0.	1.
CENCON & INTRAS (9)	176.	2231.	132.	4.	28.
SUBTOTAL	852.	16953.	1029.	33.	217.
-----URBAN------					
INTERSTATE (11)	82.	1902.	118.	4.	23.
OTH. PRINC. ART.(14)	303.	5963.	360.	12.	81.
CENCON & INTRAS (19)	144.	1781.	105.	3.	22.
SUBTOTAL	529.	9646.	583.	19.	127.
---TOTAL---	1380.	26599.	1613.	52.	344.
(TONS)	1.52	29.29	1.78	0.06	0.38

DAILY TRAVEL STATS

Madison County

HPMS TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------			
INTERSTATE (1)	1015397.	20240.	50.17
OTH. PRINC. ART.(2)	1011269.	22695.	44.56
MINOR ARTERIAL (6)	12258.	304.	40.28
CENCON & INTRAS (9)	303064.	14675.	20.65
SUBTOTAL	2341989.	57914.	40.44
-----URBAN------			
INTERSTATE (11)	253336.	4798.	52.80
OTH. PRINC. ART.(14)	875248.	21981.	39.82
CENCON & INTRAS (19)	241703.	16114.	15.00
SUBTOTAL	1370288.	42893.	31.95
TOTAL	3712276.	100807.	36.83

Total Model Area

HPMS TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
-----RURAL------					
INTERSTATE (1)	2108.	51498.	3255.	93.	613.
OTH. PRINC. ART.(2)	2320.	49445.	3004.	96.	638.
MINOR ARTERIAL (6)	373.	7322.	443.	15.	100.
CENCON & INTRAS (9)	1206.	14962.	885.	29.	188.
SUBTOTAL	6007.	123226.	7587.	233.	1539.
-----URBAN------					
INTERSTATE (11)	5560.	129843.	8133.	239.	1584.
OTH.FWY & XWAY (12)	832.	17560.	1083.	34.	226.
OTH. PRINC. ART.(14)	4138.	79301.	4816.	163.	1079.
MINOR ARTERIAL (16)	3528.	65819.	4020.	138.	911.
CENCON & INTRAS (19)	2311.	28575.	1691.	55.	360.
SUBTOTAL	16369.	321097.	19742.	629.	4160.
---TOTAL---	22376.	444322.	27329.	862.	5699.
(TONS)	24.64	489.34	30.10	0.95	6.28

DAILY TRAVEL STATS

Total Model Area

HPMS TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
-----RURAL------				
INTERSTATE	(1)	6609938.	117586.	56.21
OTH. PRINC. ART.	(2)	6883778.	154890.	44.44
MINOR ARTERIAL	(6)	1075487.	27234.	39.49
CENCON & INTRAS	(9)	2030867.	101246.	20.06
SUBTOTAL		16600066.	400955.	41.40
-----URBAN------				
INTERSTATE	(11)	17222168.	344765.	49.95
OTH.FWY & XWAY	(12)	2437574.	57740.	42.22
OTH. PRINC. ART.	(14)	11695296.	356241.	32.83
MINOR ARTERIAL	(16)	9826313.	278183.	35.32
CENCON & INTRAS	(19)	3878460.	257956.	15.04
SUBTOTAL		45059808.	1294886.	34.80
TOTAL		61659872.	1695841.	36.36

INDIANAPOLIS REGIONAL TRAVEL DEMAND MODEL --
EMISSION MODEL FOR MOBILE 6.2 -- PROGRAM DATE: 12NOV2004
- RUN TIME: 11:03:56 29NOV06

EMISSIONS IN KILOGRAMS PER DAY
+++ ALTERNATIVE IS:20A
MOBILE6 INPUT FILE :

Marion County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CBD	(1)	542.	10127.	625.	21.	136.
CDB FRINGE	(2)	5076.	97689.	5989.	196.	1299.
RESIDENTIAL	(3)	5412.	107244.	6615.	207.	1369.
RURAL	(5)	216.	4552.	282.	8.	55.
---TOTAL---		11246.	219613.	13511.	432.	2859.
(TONS)		12.39	241.86	14.88	0.48	3.15

Marion County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	4352.	99980.	6257.	187.	1236.
EXPRESSWAY	(2)	203.	3741.	228.	8.	51.
2-WAY ART w/prk	(3)	2609.	48034.	2942.	101.	668.
ONE-WAY ARTERIAL	(4)	289.	5279.	324.	11.	73.
CENTROID CONNECT	(5)	1342.	16594.	982.	32.	209.
2-WAY ART wo/prk	(6)	2333.	43410.	2640.	90.	593.
FREEWAY RAMPS	(7)	118.	2575.	137.	4.	29.
---TOTAL---		11246.	219613.	13511.	432.	2859.
(TONS)		12.39	241.86	14.88	0.48	3.15

DAILY TRAVEL STATS

Marion County

AREA TYPE	DAILY VMT	DAILY VHT	AVERAGE SPEED

CBD	(1)	1464403.	45325.	32.31
CDB FRINGE	(2)	14014690.	397779.	35.23
RESIDENTIAL	(3)	14829922.	451278.	32.86
RURAL	(5)	591972.	15659.	37.80
TOTAL		30900982.	910041.	33.96

Marion County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	13332008.	265500.	50.21
EXPRESSWAY	(2)	550380.	16553.	33.25
2-WAY ART w/prk	(3)	7208792.	209327.	34.44
ONE-WAY ARTERIAL	(4)	792856.	23576.	33.63
CENTROID CONNECT	(5)	2252108.	149857.	15.03
2-WAY ART wo/prk	(6)	6455881.	225909.	28.58
FREEWAY RAMPS	(7)	308976.	19319.	15.99
TOTAL		30900982.	910041.	33.96

Hamilton County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CDB FRINGE	(2)	152.	3569.	227.	6.	43.
RESIDENTIAL	(3)	1734.	32927.	2007.	65.	431.
SUBURBAN CBD	(4)	141.	2534.	153.	5.	34.
RURAL	(5)	843.	16072.	981.	32.	209.
---TOTAL---		2870.	55102.	3368.	108.	717.
(TONS)		3.16	60.68	3.71	0.12	0.79

Hamilton County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	771.	18130.	1139.	33.	221.
EXPRESSWAY	(2)	338.	6510.	395.	14.	90.
2-WAY ART w/prk	(3)	470.	8876.	540.	18.	122.
ONE-WAY ARTERIAL	(4)	0.	6.	0.	0.	0.
CENTROID CONNECT	(5)	559.	6905.	409.	13.	87.
2-WAY ART wo/prk	(6)	732.	14675.	885.	30.	197.
---TOTAL---		2870.	55102.	3368.	108.	717.
(TONS)		3.16	60.68	3.71	0.12	0.79

DAILY TRAVEL STATS

Hamilton County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
CDB FRINGE	(2)	462285.	9170.	50.41
RESIDENTIAL	(3)	4648098.	134963.	34.44
SUBURBAN CBD	(4)	368984.	11627.	31.74
RURAL	(5)	2257624.	60180.	37.51
TOTAL		7736982.	215940.	35.83

Hamilton County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	2386009.	45339.	52.63
EXPRESSWAY	(2)	968212.	25118.	38.55
2-WAY ART w/prk	(3)	1318841.	36459.	36.17
ONE-WAY ARTERIAL	(4)	853.	19.	45.00
CENTROID CONNECT	(5)	937144.	56796.	16.50
2-WAY ART wo/prk	(6)	2125932.	52210.	40.72
TOTAL		7736982.	215940.	35.83

Johnson County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CDB FRINGE	(2)	56.	1014.	61.	2.	14.
RESIDENTIAL	(3)	669.	13516.	839.	26.	169.
SUBURBAN CBD	(4)	74.	1300.	78.	3.	17.
RURAL	(5)	816.	16393.	1001.	31.	207.
---TOTAL---		1615.	32222.	1979.	62.	408.
(TONS)		1.78	35.49	2.18	0.07	0.45

Johnson County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	539.	13119.	830.	24.	156.
2-WAY ART w/prk	(3)	246.	4809.	292.	10.	65.
CENTROID CONNECT	(5)	344.	4256.	252.	8.	54.
2-WAY ART wo/prk	(6)	486.	10039.	605.	20.	133.
---TOTAL---		1615.	32222.	1979.	62.	408.
(TONS)		1.78	35.49	2.18	0.07	0.45

DAILY TRAVEL STATS

Johnson County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
CDB FRINGE	(2)	149126.	4508.	33.08
RESIDENTIAL	(3)	1827839.	49526.	36.91
SUBURBAN CBD	(4)	187957.	6303.	29.82
RURAL	(5)	2235985.	55100.	40.58
TOTAL		4400908.	115436.	38.12

Johnson County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1686884.	30189.	55.88
2-WAY ART w/prk	(3)	704826.	18255.	38.61
CENTROID CONNECT	(5)	577609.	33588.	17.20
2-WAY ART wo/prk	(6)	1431588.	33405.	42.86
TOTAL		4400908.	115436.	38.12

Hendricks County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	683.	13722.	842.	27.	176.
RURAL	(5)	700.	14495.	896.	27.	178.
---TOTAL---		1382.	28217.	1739.	53.	354.
(TONS)		1.52	31.08	1.91	0.06	0.39

Hendricks County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	419.	10755.	692.	19.	124.
2-WAY ART w/prk	(3)	117.	2297.	139.	5.	31.
CENTROID CONNECT	(5)	277.	3423.	203.	7.	43.
2-WAY ART wo/prk	(6)	569.	11742.	705.	24.	156.
---TOTAL---		1382.	28217.	1739.	53.	354.
(TONS)		1.52	31.08	1.91	0.06	0.39

DAILY TRAVEL STATS

Hendricks County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	1894422.	49914.	37.95
RURAL	(5)	1922243.	45833.	41.94
TOTAL		3816666.	95746.	39.86

Hendricks County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1332438.	21893.	60.86
2-WAY ART w/prk	(3)	339417.	8526.	39.81
CENTROID CONNECT	(5)	464630.	26400.	17.60
2-WAY ART wo/prk	(6)	1680181.	38927.	43.16
TOTAL		3816666.	95746.	39.86

Hancock County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	804.	17397.	1081.	32.	214.
SUBURBAN CBD	(4)	12.	218.	13.	0.	3.
RURAL	(5)	301.	5412.	325.	11.	71.
---TOTAL---		1117.	23026.	1418.	44.	288.
(TONS)		1.23	25.36	1.56	0.05	0.32

Hancock County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	419.	10517.	667.	19.	123.
2-WAY ART w/prk	(3)	148.	2849.	173.	6.	39.
CENTROID CONNECT	(5)	192.	2376.	141.	5.	30.

2-WAY ART wo/prk (6)	358.	7284.	438.	15.	96.
---TOTAL---	1117.	23026.	1418.	44.	288.
(TONS)	1.23	25.36	1.56	0.05	0.32

DAILY TRAVEL STATS

Hancock County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	2311691.	54610.	42.33
SUBURBAN CBD	(4)	31005.	925.	33.50
RURAL	(5)	768863.	22340.	34.42
TOTAL		3111558.	77876.	39.96

Hancock County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1326175.	22470.	59.02
2-WAY ART w/prk	(3)	422383.	11092.	38.08
CENTROID CONNECT	(5)	322523.	18973.	17.00
2-WAY ART wo/prk	(6)	1040478.	25341.	41.06
TOTAL		3111558.	77876.	39.96

Shelby County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	256.	5597.	349.	10.	68.
SUBURBAN CBD	(4)	3.	62.	4.	0.	1.
RURAL	(5)	590.	12840.	797.	24.	157.
---TOTAL---		849.	18499.	1149.	34.	227.
(TONS)		0.94	20.37	1.27	0.04	0.25

Shelby County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	497.	12304.	778.	22.	145.
2-WAY ART w/prk	(3)	18.	370.	22.	1.	5.
CENTROID CONNECT	(5)	125.	1546.	91.	3.	19.
2-WAY ART wo/prk	(6)	209.	4279.	257.	9.	57.
---TOTAL---		849.	18499.	1149.	34.	227.
(TONS)		0.94	20.37	1.27	0.04	0.25

DAILY TRAVEL STATS

Shelby County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	738122.	17148.	43.04
SUBURBAN CBD	(4)	8878.	238.	37.33
RURAL	(5)	1697910.	37048.	45.83
TOTAL		2444910.	54434.	44.91

Shelby County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1567115.	27141.	57.74
2-WAY ART w/prk	(3)	53833.	1307.	41.17
CENTROID CONNECT	(5)	209811.	11563.	18.14
2-WAY ART wo/prk	(6)	614151.	14423.	42.58
TOTAL		2444910.	54434.	44.91

Boone County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	101.	1785.	107.	4.	24.
SUBURBAN CBD	(4)	2.	48.	3.	0.	1.
RURAL	(5)	889.	19685.	1228.	36.	238.
---TOTAL---		992.	21518.	1338.	40.	262.
(TONS)		1.09	23.70	1.47	0.04	0.29

Boone County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	502.	12733.	813.	22.	148.
2-WAY ART w/prk	(3)	40.	760.	46.	2.	10.
CENTROID CONNECT	(5)	166.	2050.	121.	4.	26.
2-WAY ART wo/prk	(6)	284.	5975.	358.	12.	79.
---TOTAL---		992.	21518.	1338.	40.	262.
(TONS)		1.09	23.70	1.47	0.04	0.29

DAILY TRAVEL STATS

Boone County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	382845.	10273.	37.27
SUBURBAN CBD	(4)	6756.	181.	37.32
RURAL	(5)	2566956.	54661.	46.96
TOTAL		2956558.	65116.	45.40

Boone County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1717859.	28363.	60.57
2-WAY ART w/prk	(3)	112619.	3202.	35.17
CENTROID CONNECT	(5)	278170.	14670.	18.96
2-WAY ART wo/prk	(6)	847910.	18880.	44.91
TOTAL		2956558.	65116.	45.40

Morgan County

AREA TYPE	VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3

RESIDENTIAL	(3)	115.	2402.	147.	5.	30.
SUBURBAN CBD	(4)	0.	9.	1.	0.	0.
RURAL	(5)	810.	17115.	1067.	32.	209.
---TOTAL---		925.	19527.	1214.	36.	239.
(TONS)		1.02	21.51	1.34	0.04	0.26

Morgan County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	360.	9270.	597.	16.	106.
2-WAY ART w/prk	(3)	43.	843.	51.	2.	12.
CENTROID CONNECT	(5)	191.	2355.	139.	5.	30.
2-WAY ART wo/prk	(6)	332.	7059.	427.	14.	92.
---TOTAL---		925.	19527.	1214.	36.	239.
(TONS)		1.02	21.51	1.34	0.04	0.26

DAILY TRAVEL STATS

Morgan County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	326001.	8119.	40.15
SUBURBAN CBD	(4)	1310.	36.	36.20
RURAL	(5)	2251725.	52289.	43.06
TOTAL		2579036.	60444.	42.67

Morgan County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1145230.	18707.	61.22
2-WAY ART w/prk	(3)	124698.	3129.	39.85
CENTROID CONNECT	(5)	319666.	16494.	19.38
2-WAY ART wo/prk	(6)	989442.	22115.	44.74
TOTAL		2579036.	60444.	42.67

Madison County

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
RESIDENTIAL	(3)	507.	9223.	558.	18.	121.
SUBURBAN CBD	(4)	22.	423.	25.	1.	6.
RURAL	(5)	852.	16953.	1029.	33.	217.
---TOTAL---		1380.	26599.	1613.	52.	344.
(TONS)		1.52	29.29	1.78	0.06	0.38

Madison County

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	413.	9413.	583.	18.	118.
2-WAY ART w/prk	(3)	4.	83.	5.	0.	1.
CENTROID CONNECT	(5)	315.	3894.	230.	7.	49.
2-WAY ART wo/prk	(6)	648.	13209.	794.	27.	176.

---TOTAL---	1380.	26599.	1613.	52.	344.
(TONS)	1.52	29.29	1.78	0.06	0.38

DAILY TRAVEL STATS

Madison County

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
RESIDENTIAL	(3)	1308654.	41300.	31.69
SUBURBAN CBD	(4)	61634.	1593.	38.70
RURAL	(5)	2341989.	57914.	40.44
TOTAL		3712276.	100807.	36.83

Madison County

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	1268734.	25038.	50.67
2-WAY ART w/prk	(3)	12258.	304.	40.28
CENTROID CONNECT	(5)	528502.	30453.	17.35
2-WAY ART wo/prk	(6)	1902782.	45011.	42.27
TOTAL		3712276.	100807.	36.83

Total Model Area

AREA TYPE		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
CBD	(1)	542.	10127.	625.	21.	136.
CDB FRINGE	(2)	5284.	102272.	6277.	205.	1355.
RESIDENTIAL	(3)	10281.	203813.	12545.	394.	2603.
SUBURBAN CBD	(4)	255.	4594.	277.	9.	62.
RURAL	(5)	6015.	123518.	7606.	233.	1542.
---TOTAL---		22376.	444322.	27329.	862.	5699.
(TONS)		24.64	489.34	30.10	0.95	6.28

Total Model Area

FACILITY		VOC HC	EXHST CO	EXHST NOx	TOTAL PM2.5	NH3
FREEWAY	(1)	8271.	196222.	12356.	359.	2376.
EXPRESSWAY	(2)	541.	10251.	624.	21.	141.
2-WAY ART w/prk	(3)	3697.	68921.	4210.	144.	955.
ONE-WAY ARTERIAL	(4)	289.	5285.	324.	11.	74.
CENTROID CONNECT	(5)	3511.	43399.	2568.	83.	546.
2-WAY ART wo/prk	(6)	5950.	117671.	7110.	239.	1579.
FREEWAY RAMPS	(7)	118.	2575.	137.	4.	29.
---TOTAL---		22376.	444322.	27329.	862.	5699.
(TONS)		24.64	489.34	30.10	0.95	6.28

DAILY TRAVEL STATS

Total Model Area

AREA TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
CBD	(1)	1464403.	45325.	32.31

CDB FRINGE	(2)	14626100.	411457.	35.55
RESIDENTIAL	(3)	28267596.	817132.	34.59
SUBURBAN CBD	(4)	666524.	20903.	31.89
RURAL	(5)	16635259.	401024.	41.48
TOTAL		61659872.	1695841.	36.36

Total Model Area

FACILITY TYPE		DAILY VMT	DAILY VHT	AVERAGE SPEED
FREEWAY	(1)	25762446.	484640.	53.16
EXPRESSWAY	(2)	1518593.	41670.	36.44
2-WAY ART w/prk	(3)	10297655.	291601.	35.31
ONE-WAY ARTERIAL	(4)	793710.	23595.	33.64
CENTROID CONNECT	(5)	5890164.	358794.	16.42
2-WAY ART wo/prk	(6)	17088348.	476222.	35.88
FREEWAY RAMPS	(7)	308976.	19319.	15.99
TOTAL		61659872.	1695841.	36.36