

Appendix 6

MOBILE5a (3/29/97) Sample Input and Output Files,
Composite Emission Factor Tables,
and Total On-Road Inventory Tables
for
Control Measure Evaluation

Sample Input File for 1990 I/M + 7.8 RVP

1
9990IM78 1999 1990 I/M 7.8 RVP MOBILE5a O3
1 TAMFLG tampering effects rates: 1 is nat
1 SPDFLG speed by veh type: 1 is one for all
1 VMFLAG VMT by veh type: 1 is nat default
3 MYMFLG reg dist local but mi accum national
1 NEWFLG basic emission rates: 1 is national
2 IMFLAG I/M program: 2 is one program
1 ALHFLG corr. factors: 1 is no corrections
2 ATPFLG anti-tampering program: 2 is yes
5 RLFFLG refueling losses: 5 is no refueling calculated
1 LOCFLG local area param.: 1 is 1 for each scenario
2 TEMFLAG temp flag: 2 is local
3 OUTFMT format of output: 3 is 112 col
4 PRTFLG pollutants: 4 is all
1 IDLFLG idle emissions: 1 is no
3 NMHFLG hydrocarbons: 3 is VOC
1 HCFLAG HC by component: 1 is composite only
.071 .070 .078 .077 .079 .080 .077 .067 .045 .038
.037 .036 .044 .039 .032 .021 .012 .014 .014 .011
.008 .007 .006 .005 .032
.048 .058 .069 .068 .070 .104 .077 .061 .037 .033
.031 .028 .039 .037 .032 .023 .013 .019 .021 .019
.013 .013 .012 .009 .066
.082 .077 .092 .081 .067 .078 .070 .055 .032 .026
.026 .023 .042 .042 .038 .026 .017 .021 .022 .017
.011 .010 .010 .006 .029
.028 .045 .073 .062 .048 .072 .077 .058 .030 .030
.031 .040 .070 .047 .035 .025 .030 .030 .031 .028
.015 .019 .015 .009 .052
.071 .070 .078 .077 .079 .080 .077 .067 .045 .038
.037 .036 .044 .039 .032 .021 .012 .014 .014 .011
.008 .007 .006 .005 .032
.048 .058 .069 .068 .070 .104 .077 .061 .037 .033
.031 .028 .039 .037 .032 .023 .013 .019 .021 .019
.013 .013 .012 .009 .066
.047 .083 .076 .083 .082 .099 .087 .074 .031 .036
.040 .041 .054 .036 .024 .013 .013 .018 .017 .012
.008 .006 .005 .002 .013
.030 .036 .047 .049 .069 .097 .088 .063 .073 .105
.076 .267 .000 .000 .000 .000 .000 .000 .000 .000

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87 75 20 2222 11 97.0 22211112
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.002.033.007.050.010.071.018.108.037.104.028.052.021.028.014.016.007.006.004.003
.009.002.012.009.005.008.005.006.005.002

Sample Input File for 1996 I/M + 7.0 RVP

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1 SPDFLG speed by veh type: 1 is one for all
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.008 .006 .005 .002 .013
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.009.002.012.009.005.008.005.006.005.002

Sample Input File for 1996 I/M + 7.0 RVP + RFG - Phase I

1
99RFG 1999 RFG I/M MOBILE5a O3
1 TAMFLG tampering effects rates: 1 is nat
1 SPDFLG speed by veh type: 1 is one for all
1 VMFLAG VMT by veh type: 1 is nat default
3 MYMFLAG reg dist local but mi accum national
1 NEWFLG basic emission rates: 1 is national
3 IMFLAG I/M program: 3 is two programs
1 ALHFLAG corr. factors: 1 is no corrections
5 ATPFLAG anti-tampering program: 5 is ATP, pressure
5 RLFFLG refueling losses: 5 is no refueling
1 LOCFLAG local area param.: 1 per scenario
2 TEMFLAG temp flag: 2 is local
6 OUTFMT format of output: 3 is 112 col
4 PRTFLAG pollutants: 4 is all
1 IDLFLAG idle emissions: 1 is no
3 NMHFLAG hydrocarbons: 3 is VOC
1 HCFLAG HC by component: composite factor
.071 .070 .078 .077 .079 .080 .077 .067 .045 .038
.037 .036 .044 .039 .032 .021 .012 .014 .014 .011
.008 .007 .006 .005 .032
.048 .058 .069 .068 .070 .104 .077 .061 .037 .033
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Composite Emission Factors - 1990 I/M and 7.80 RVP (1999)

MOBILE5a Run: 9990im78/99noim78 1/10/98

I/M splits: 89.6% I/M and 10.6% Non-I/M

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)		
LDGV	Urban					LDGT2	Urban						
	Fwys & Expwys	55.7	1.2	1.41	1.224342		Fwys & Expwys	55.7	1.588	2.00	1.634318		
	Principal art.	30.3	1.715	2.01	1.749382		Principal art.	30.3	2.164	2.70	2.224932		
	Minor art.	30.3	1.715	2.01	1.749382		Minor art.	30.3	2.164	2.70	2.224932		
	Collectors	25	1.963	2.31	2.003708		Collectors	25	2.461	3.08	2.531324		
	Local roads	20	2.296	2.72	2.34543		Local roads	20	2.869	3.60	2.952542		
	Rural						Rural						
	Fwys & Expwys	59.3	1.274	1.52	1.302412		Fwys & Expwys	59.3	1.717	2.20	1.77195		
	Principal art.	30.3	1.496	1.74	1.525174		Principal art.	30.3	1.911	2.38	1.964218		
	Minor art.	30.3	1.496	1.74	1.525174		Minor art.	30.3	1.911	2.38	1.964218		
	Collectors	30	1.727	2.02	1.761724		Collectors	30	2.178	2.72	2.23949		
	Local roads	20	2.296	2.72	2.34543		Local roads	20	2.869	3.60	2.952542		
	LDGT1	Urban					HDGV	Urban					
		Fwys & Expwys	55.7	1.546	1.94			1.591174	Fwys & Expwys	55.7	2.936	3.05	2.954168
Principal art.		30.3	2.068	2.60	2.128528	Principal art.		30.3	3.941	4.15	3.97146		
Minor art.		30.3	2.068	2.60	2.128528	Minor art.		30.3	3.941	4.15	3.97146		
Collectors		25	2.34	2.96	2.410824	Collectors		25	4.487	4.76	4.525336		
Local roads		20	2.705	3.45	2.789592	Local roads		20	5.266	5.64	5.315858		
Rural					Rural								
Fwys & Expwys		59.3	1.658	2.13	1.711772	Fwys & Expwys		59.3	2.903	3.02	2.920996		
Principal art.		30.3	1.835	2.29	1.8869	Principal art.		30.3	3.509	3.68	3.53372		
Minor art.		30.3	1.835	2.29	1.8869	Minor art.		30.3	3.509	3.68	3.53372		
Collectors		30	2.081	2.62	2.141978	Collectors		30	3.966	4.18	3.996934		
Local roads		20	2.705	3.45	2.789592	Local roads		20	5.266	5.64	5.315858		

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)		
LDDV	Urban					HDDV	Urban						
	Fwys & Expwys	55.7	0.341	0.34	0.341682		Fwys & Expwys	55.7	0.998	1.00	0.999996		
	Principal art.	30.3	0.527	0.53	0.528054		Principal art.	30.3	1.543	1.54	1.546086		
	Minor art.	30.3	0.527	0.53	0.528054		Minor art.	30.3	1.543	1.54	1.546086		
	Collectors	25	0.62	0.62	0.62124		Collectors	25	1.816	1.82	1.819632		
	Local roads	20	0.739	0.74	0.740478		Local roads	20	2.165	2.17	2.16933		
	Rural						Rural						
	Fwys & Expwys	59.3	0.335	0.34	0.33567		Fwys & Expwys	59.3	0.982	0.98	0.983964		
	Principal art.	30.3	0.447	0.45	0.447894		Principal art.	30.3	1.311	1.31	1.313622		
	Minor art.	30.3	0.447	0.45	0.447894		Minor art.	30.3	1.311	1.31	1.313622		
	Collectors	30	0.531	0.53	0.532062		Collectors	30	1.557	1.56	1.560114		
	Local roads	20	0.739	0.74	0.740478		Local roads	20	2.165	2.17	2.16933		
	LDDT	Urban					MC	Urban					
		Fwys & Expwys	55.7	0.355	0.36			0.35571	Fwys & Expwys	55.7	8.019	8.02	8.035038
Principal art.		30.3	0.549	0.55	0.550098	Principal art.		30.3	8.396	8.40	8.412792		
Minor art.		30.3	0.549	0.55	0.550098	Minor art.		30.3	8.396	8.40	8.412792		
Collectors		25	0.646	0.65	0.647292	Collectors		25	8.675	8.68	8.69235		
Local roads		20	0.77	0.77	0.77154	Local roads		20	9.029	9.03	9.047058		
Rural					Rural								
Fwys & Expwys		59.3	0.35	0.35	0.3507	Fwys & Expwys		59.3	8.378	8.38	8.394756		
Principal art.		30.3	0.466	0.47	0.466932	Principal art.		30.3	8.148	8.15	8.164296		
Minor art.		30.3	0.466	0.47	0.466932	Minor art.		30.3	8.148	8.15	8.164296		
Collectors		30	0.554	0.55	0.555108	Collectors		30	8.41	8.41	8.42682		
Local roads		20	0.77	0.77	0.77154	Local roads		20	9.029	9.03	9.047058		

Total On-Road Inventory - 1996 I/M and 7.00 RVP (1999)

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDGV VMT fraction: 0.622	Urban					LDGT2 VMT fraction: 0.088	Urban					
	Fwys & Expwys	55.7	1.22	10,707,450	8154		Fwys & Expwys	55.7	1.63	10,707,450	1540	
	Principal art.	30.3	1.75	13,974,274	15206		Principal art.	30.3	2.22	13,974,274	2736	
	Minor art.	30.3	1.75	3,850,055	4189		Minor art.	30.3	2.22	3,850,055	754	
	Collectors	25	2.00	1,781,291	2220		Collectors	25	2.53	1,781,291	397	
	Local roads	20	2.35	5,192,266	7575		Local roads	20	2.95	5,192,266	1349	
	Rural						Rural					
	Fwys & Expwys	59.3	1.30	3,416,632	2768		Fwys & Expwys	59.3	1.77	3,416,632	533	
	Principal art.	36.7	1.53	7,397,908	7018		Principal art.	36.7	1.96	7,397,908	1279	
	Minor art.	36.7	1.53	2,038,199	1934		Minor art.	36.7	1.96	2,038,199	352	
	Collectors	30	1.76	664,397	728		Collectors	30	2.24	664,397	131	
	Local roads	20	2.35	3,510,146	5121		Local roads	20	2.95	3,510,146	912	
LDGT1 VMT fraction: 0.177	Urban					HDGV VMT fraction: 0.036	Urban					
	Fwys & Expwys	55.7	1.59	10,707,450	3016		Fwys & Expwys	55.7	2.95	10,707,450	1139	
	Principal art.	30.3	2.13	13,974,274	5265		Principal art.	30.3	3.97	13,974,274	1998	
	Minor art.	30.3	2.13	3,850,055	1451		Minor art.	30.3	3.97	3,850,055	550	
	Collectors	25	2.41	1,781,291	760		Collectors	25	4.53	1,781,291	290	
	Local roads	20	2.79	5,192,266	2564		Local roads	20	5.32	5,192,266	994	
	Rural						Rural					
	Fwys & Expwys	59.3	1.71	3,416,632	1035		Fwys & Expwys	59.3	2.92	3,416,632	359	
	Principal art.	36.7	1.89	7,397,908	2471		Principal art.	36.7	3.53	7,397,908	941	
	Minor art.	36.7	1.89	2,038,199	681		Minor art.	36.7	3.53	2,038,199	259	
	Collectors	30	2.14	664,397	252		Collectors	30	4.00	664,397	96	
	Local roads	20	2.79	3,510,146	1733		Local roads	20	5.32	3,510,146	672	
				Total:	74139					Total:	17280	

Total On-Road Inventory - 1996 I/M and 7.00 RVP (1999) - Continued

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDDV VMT fraction: 0.003	Urban					HDDV VMT fraction: 0.069	Urban					
	Fwys & Expwys	55.7	0.34	10,707,450	11		Fwys & Expwys	55.7	1.00	10,707,450	739	
	Principal art.	30.3	0.53	13,974,274	22		Principal art.	30.3	1.55	13,974,274	1491	
	Minor art.	30.3	0.53	3,850,055	6		Minor art.	30.3	1.55	3,850,055	411	
	Collectors	25	0.62	1,781,291	3		Collectors	25	1.82	1,781,291	224	
	Local roads	20	0.74	5,192,266	12		Local roads	20	2.17	5,192,266	777	
	Rural						Rural					
	Fwys & Expwys	59.3	0.34	3,416,632	3		Fwys & Expwys	59.3	0.98	3,416,632	232	
	Principal art.	36.7	0.45	7,397,908	10		Principal art.	36.7	1.31	7,397,908	671	
	Minor art.	36.7	0.45	2,038,199	3		Minor art.	36.7	1.31	2,038,199	185	
	Collectors	30	0.53	664,397	1		Collectors	30	1.56	664,397	72	
	Local roads	20	0.74	3,510,146	8		Local roads	20	2.17	3,510,146	525	
LDDT VMT fraction: 0.001	Urban					MC VMT fraction: 0.005	Urban					
	Fwys & Expwys	55.7	0.36	10,707,450	4		Fwys & Expwys	55.7	8.04	10,707,450	430	
	Principal art.	30.3	0.55	13,974,274	8		Principal art.	30.3	8.41	13,974,274	588	
	Minor art.	30.3	0.55	3,850,055	2		Minor art.	30.3	8.41	3,850,055	162	
	Collectors	25	0.65	1,781,291	1		Collectors	25	8.69	1,781,291	77	
	Local roads	20	0.77	5,192,266	4		Local roads	20	9.05	5,192,266	235	
	Rural						Rural					
	Fwys & Expwys	59.3	0.35	3,416,632	1		Fwys & Expwys	59.3	8.39	3,416,632	143	
	Principal art.	36.7	0.47	7,397,908	3		Principal art.	36.7	8.16	7,397,908	302	
	Minor art.	36.7	0.47	2,038,199	1		Minor art.	36.7	8.16	2,038,199	83	
	Collectors	30	0.56	664,397	0		Collectors	30	8.43	664,397	28	
	Local roads	20	0.77	3,510,146	3		Local roads	20	9.05	3,510,146	159	
				Total:	106					Total:	7533	
								Grand Total	99059	Grand Total with Fuel Correction		96734

Composite Emission Factors - 1990 I/M and 7.00 RVP (1999)

MOBILE5a Run: 9990im70/99act_no 1/10/98

I/M splits: 89.6% I/M and 10.6% Non-I/M

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)		
LDGV	Urban					LDGT2	Urban						
	Fwys & Expwys	55.7	1.059	1.27	1.08306		Fwys & Expwys	55.7	1.431	1.84	1.477004		
	Principal art.	30.3	1.428	1.72	1.461914		Principal art.	30.3	1.921	2.46	1.981446		
	Minor art.	30.3	1.428	1.72	1.461914		Minor art.	30.3	1.921	2.46	1.981446		
	Collectors	25	1.627	1.97	1.667036		Collectors	25	2.184	2.80	2.25377		
	Local roads	20	1.9	2.32	1.948638		Local roads	20	2.544	3.28	2.626786		
	Rural						Rural						
	Fwys & Expwys	59.3	1.139	1.38	1.167248		Fwys & Expwys	59.3	1.569	2.05	1.623548		
	Principal art.	30.3	1.261	1.51	1.28981		Principal art.	30.3	1.696	2.17	1.749106		
	Minor art.	30.3	1.261	1.51	1.28981		Minor art.	30.3	1.696	2.17	1.749106		
	Collectors	30	1.438	1.73	1.472146		Collectors	30	1.934	2.47	1.994896		
	Local roads	20	1.9	2.32	1.948638		Local roads	20	2.544	3.28	2.626786		
	LDGT1	Urban					HDGV	Urban					
		Fwys & Expwys	55.7	1.376	1.77			1.420834	Fwys & Expwys	55.7	2.565	2.68	2.582426
Principal art.		30.3	1.827	2.36	1.88694	Principal art.		30.3	3.382	3.60	3.411342		
Minor art.		30.3	1.827	2.36	1.88694	Minor art.		30.3	3.382	3.60	3.411342		
Collectors		25	2.07	2.69	2.140178	Collectors		25	3.86	4.14	3.896976		
Local roads		20	2.394	3.14	2.47797	Local roads		20	4.552	4.92	4.600218		
Rural					Rural								
Fwys & Expwys		59.3	1.495	1.97	1.548446	Fwys & Expwys		59.3	2.544	2.66	2.561278		
Principal art.		30.3	1.617	2.08	1.668888	Principal art.		30.3	3.015	3.18	3.038626		
Minor art.		30.3	1.617	2.08	1.668888	Minor art.		30.3	3.015	3.18	3.038626		
Collectors		30	1.838	2.37	1.898492	Collectors		30	3.404	3.62	3.433704		
Local roads		20	2.394	3.14	2.47797	Local roads		20	4.552	4.92	4.600218		

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)		
LDDV	Urban					HDDV	Urban						
	Fwys & Expwys	55.7	0.341	0.34	0.341682		Fwys & Expwys	55.7	0.998	1.00	0.999996		
	Principal art.	30.3	0.527	0.53	0.528054		Principal art.	30.3	1.543	1.54	1.546086		
	Minor art.	30.3	0.527	0.53	0.528054		Minor art.	30.3	1.543	1.54	1.546086		
	Collectors	25	0.62	0.62	0.62124		Collectors	25	1.816	1.82	1.819632		
	Local roads	20	0.739	0.74	0.740478		Local roads	20	2.165	2.17	2.16933		
	Rural						Rural						
	Fwys & Expwys	59.3	0.335	0.34	0.33567		Fwys & Expwys	59.3	0.982	0.98	0.983964		
	Principal art.	30.3	0.447	0.44	0.447152		Principal art.	30.3	1.311	1.31	1.313622		
	Minor art.	30.3	0.447	0.44	0.447152		Minor art.	30.3	1.311	1.31	1.313622		
	Collectors	30	0.531	0.53	0.532062		Collectors	30	1.557	1.56	1.560114		
	Local roads	20	0.739	0.74	0.740478		Local roads	20	2.165	2.17	2.16933		
	LDDT	Urban					MC	Urban					
		Fwys & Expwys	55.7	0.355	0.36			0.35571	Fwys & Expwys	55.7	7.211	7.21	7.225422
Principal art.		30.3	0.549	0.55	0.550098	Principal art.		30.3	7.588	7.59	7.603176		
Minor art.		30.3	0.549	0.55	0.550098	Minor art.		30.3	7.588	7.59	7.603176		
Collectors		25	0.646	0.65	0.647292	Collectors		25	7.868	7.87	7.883736		
Local roads		20	0.77	0.77	0.77154	Local roads		20	8.221	8.22	8.237442		
Rural					Rural								
Fwys & Expwys		59.3	0.35	0.35	0.3507	Fwys & Expwys		59.3	7.571	7.57	7.586142		
Principal art.		30.3	0.466	0.46	0.466402	Principal art.		30.3	7.34	7.34	7.35468		
Minor art.		30.3	0.466	0.46	0.466402	Minor art.		30.3	7.34	7.34	7.35468		
Collectors		30	0.554	0.55	0.555108	Collectors		30	7.602	7.60	7.617204		
Local roads		20	0.77	0.77	0.77154	Local roads		20	8.221	8.22	8.237442		

Total On-Road Inventory - 1990 I/M and 7.00 RVP (1999)

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDGV VMT fraction: 0.622	Urban					LDGT2 VMT fraction: 0.088	Urban					
	Fwys & Expwys	55.7	1.08	10,707,450	7213		Fwys & Expwys	55.7	1.48	10,707,450	1392	
	Principal art.	30.3	1.46	13,974,274	12707		Principal art.	30.3	1.98	13,974,274	2437	
	Minor art.	30.3	1.46	3,850,055	3501		Minor art.	30.3	1.98	3,850,055	671	
	Collectors	25	1.67	1,781,291	1847		Collectors	25	2.25	1,781,291	353	
	Local roads	20	1.95	5,192,266	6293		Local roads	20	2.63	5,192,266	1200	
	Rural						Rural					
	Fwys & Expwys	59.3	1.17	3,416,632	2481		Fwys & Expwys	59.3	1.62	3,416,632	488	
	Principal art.	36.7	1.29	7,397,908	5935		Principal art.	36.7	1.75	7,397,908	1139	
	Minor art.	36.7	1.29	2,038,199	1635		Minor art.	36.7	1.75	2,038,199	314	
	Collectors	30	1.47	664,397	608		Collectors	30	1.99	664,397	117	
	Local roads	20	1.95	3,510,146	4254		Local roads	20	2.63	3,510,146	811	
LDGT1 VMT fraction: 0.177	Urban					HDGV VMT fraction: 0.036	Urban					
	Fwys & Expwys	55.7	1.42	10,707,450	2693		Fwys & Expwys	55.7	2.58	10,707,450	995	
	Principal art.	30.3	1.89	13,974,274	4667		Principal art.	30.3	3.41	13,974,274	1716	
	Minor art.	30.3	1.89	3,850,055	1286		Minor art.	30.3	3.41	3,850,055	473	
	Collectors	25	2.14	1,781,291	675		Collectors	25	3.90	1,781,291	250	
	Local roads	20	2.48	5,192,266	2277		Local roads	20	4.60	5,192,266	860	
	Rural						Rural					
	Fwys & Expwys	59.3	1.55	3,416,632	936		Fwys & Expwys	59.3	2.56	3,416,632	315	
	Principal art.	36.7	1.67	7,397,908	2185		Principal art.	36.7	3.04	7,397,908	809	
	Minor art.	36.7	1.67	2,038,199	602		Minor art.	36.7	3.04	2,038,199	223	
	Collectors	30	1.90	664,397	223		Collectors	30	3.43	664,397	82	
	Local roads	20	2.48	3,510,146	1540		Local roads	20	4.60	3,510,146	581	
				Total:	63560					Total:	15227	

Total On-Road Inventory - 1990 I/M and 7.00 RVP (1999) - Continued

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDDV VMT fraction: 0.003	Urban					HDDV VMT fraction: 0.069	Urban					
	Fwys & Expwys	55.7	0.34	10,707,450	11		Fwys & Expwys	55.7	1.00	10,707,450	739	
	Principal art.	30.3	0.53	13,974,274	22		Principal art.	30.3	1.55	13,974,274	1491	
	Minor art.	30.3	0.53	3,850,055	6		Minor art.	30.3	1.55	3,850,055	411	
	Collectors	25	0.62	1,781,291	3		Collectors	25	1.82	1,781,291	224	
	Local roads	20	0.74	5,192,266	12		Local roads	20	2.17	5,192,266	777	
	Rural						Rural					
	Fwys & Expwys	59.3	0.34	3,416,632	3		Fwys & Expwys	59.3	0.98	3,416,632	232	
	Principal art.	36.7	0.45	7,397,908	10		Principal art.	36.7	1.31	7,397,908	671	
	Minor art.	36.7	0.45	2,038,199	3		Minor art.	36.7	1.31	2,038,199	185	
	Collectors	30	0.53	664,397	1		Collectors	30	1.56	664,397	72	
	Local roads	20	0.74	3,510,146	8		Local roads	20	2.17	3,510,146	525	
LDDT VMT fraction: 0.001	Urban					MC VMT fraction: 0.005	Urban					
	Fwys & Expwys	55.7	0.36	10,707,450	4		Fwys & Expwys	55.7	7.23	10,707,450	387	
	Principal art.	30.3	0.55	13,974,274	8		Principal art.	30.3	7.60	13,974,274	531	
	Minor art.	30.3	0.55	3,850,055	2		Minor art.	30.3	7.60	3,850,055	146	
	Collectors	25	0.65	1,781,291	1		Collectors	25	7.88	1,781,291	70	
	Local roads	20	0.77	5,192,266	4		Local roads	20	8.24	5,192,266	214	
	Rural						Rural					
	Fwys & Expwys	59.3	0.35	3,416,632	1		Fwys & Expwys	59.3	7.59	3,416,632	130	
	Principal art.	36.7	0.47	7,397,908	3		Principal art.	36.7	7.35	7,397,908	272	
	Minor art.	36.7	0.47	2,038,199	1		Minor art.	36.7	7.35	2,038,199	75	
	Collectors	30	0.56	664,397	0		Collectors	30	7.62	664,397	25	
	Local roads	20	0.77	3,510,146	3		Local roads	20	8.24	3,510,146	145	
				Total:	106					Total:	7320	
								Grand Total	86213	Grand Total with Fuel Correction		84204

Composite Emission Factors - 1996 I/M and 7.00 RVP (1999)

MOBILE5a Run: 99actual/99act_no 12/18/97

I/M splits: 89.6% I/M and 10.6% Non-I/M

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)		
LDGV	Urban					LDGT2	Urban						
	Fwys & Expwys	55.7	0.969	1.27	1.00242		Fwys & Expwys	55.7	1.419	1.84	1.466252		
	Principal art.	30.3	1.306	1.72	1.352602		Principal art.	30.3	1.904	2.46	1.966214		
	Minor art.	30.3	1.306	1.72	1.352602		Minor art.	30.3	1.904	2.46	1.966214		
	Collectors	25	1.49	1.97	1.544284		Collectors	25	2.17	2.80	2.241226		
	Local roads	20	1.743	2.32	1.807966		Local roads	20	2.533	3.28	2.61693		
	Rural						Rural						
	Fwys & Expwys	59.3	1.049	1.38	1.086608		Fwys & Expwys	59.3	1.573	2.05	1.627132		
	Principal art.	30.3	1.15	1.51	1.190354		Principal art.	30.3	1.676	2.17	1.731186		
	Minor art.	30.3	1.15	1.51	1.190354		Minor art.	30.3	1.676	2.17	1.731186		
	Collectors	30	1.315	1.73	1.361938		Collectors	30	1.917	2.47	1.979664		
	Local roads	20	1.743	2.32	1.807966		Local roads	20	2.533	3.28	2.61693		
	LDGT1	Urban					HDGV	Urban					
		Fwys & Expwys	55.7	1.354	1.77			1.401122	Fwys & Expwys	55.7	2.582	2.68	2.597658
Principal art.		30.3	1.8	2.36	1.862748	Principal art.		30.3	3.417	3.60	3.442702		
Minor art.		30.3	1.8	2.36	1.862748	Minor art.		30.3	3.417	3.60	3.442702		
Collectors		25	2.046	2.69	2.118674	Collectors		25	3.906	4.14	3.938192		
Local roads		20	2.374	3.14	2.46005	Local roads		20	4.616	4.92	4.657562		
Rural					Rural								
Fwys & Expwys		59.3	1.487	1.97	1.541278	Fwys & Expwys		59.3	2.561	2.66	2.57651		
Principal art.		30.3	1.588	2.08	1.642904	Principal art.		30.3	3.041	3.18	3.061922		
Minor art.		30.3	1.588	2.08	1.642904	Minor art.		30.3	3.041	3.18	3.061922		
Collectors		30	1.812	2.37	1.875196	Collectors		30	3.439	3.62	3.465064		
Local roads		20	2.374	3.14	2.46005	Local roads		20	4.616	4.92	4.657562		

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)		
LDDV	Urban					HDDV	Urban						
	Fwys & Expwys	55.7	0.335	0.34	0.336306		Fwys & Expwys	55.7	0.998	1.00	0.999996		
	Principal art.	30.3	0.518	0.53	0.51999		Principal art.	30.3	1.543	1.54	1.546086		
	Minor art.	30.3	0.518	0.53	0.51999		Minor art.	30.3	1.543	1.54	1.546086		
	Collectors	25	0.61	0.62	0.61228		Collectors	25	1.816	1.82	1.819632		
	Local roads	20	0.727	0.74	0.729726		Local roads	20	2.165	2.17	2.16933		
	Rural						Rural						
	Fwys & Expwys	59.3	0.33	0.34	0.33119		Fwys & Expwys	59.3	0.982	0.98	0.983964		
	Principal art.	30.3	0.44	0.44	0.44088		Principal art.	30.3	1.311	1.31	1.313622		
	Minor art.	30.3	0.44	0.44	0.44088		Minor art.	30.3	1.311	1.31	1.313622		
	Collectors	30	0.523	0.53	0.524894		Collectors	30	1.557	1.56	1.560114		
	Local roads	20	0.727	0.74	0.729726		Local roads	20	2.165	2.17	2.16933		
	LDDT	Urban					MC	Urban					
		Fwys & Expwys	55.7	0.351	0.36			0.352126	Fwys & Expwys	55.7	7.211	7.21	7.225422
Principal art.		30.3	0.543	0.55	0.544722	Principal art.		30.3	7.588	7.59	7.603176		
Minor art.		30.3	0.543	0.55	0.544722	Minor art.		30.3	7.588	7.59	7.603176		
Collectors		25	0.639	0.65	0.64102	Collectors		25	7.868	7.87	7.883736		
Local roads		20	0.762	0.77	0.764372	Local roads		20	8.221	8.22	8.237442		
Rural					Rural								
Fwys & Expwys		59.3	0.346	0.35	0.347116	Fwys & Expwys		59.3	7.571	7.57	7.586142		
Principal art.		30.3	0.461	0.46	0.461922	Principal art.		30.3	7.34	7.34	7.35468		
Minor art.		30.3	0.461	0.46	0.461922	Minor art.		30.3	7.34	7.34	7.35468		
Collectors		30	0.548	0.55	0.549732	Collectors		30	7.602	7.60	7.617204		
Local roads		20	0.762	0.77	0.764372	Local roads		20	8.221	8.22	8.237442		

Total On-Road Inventory - 1996 I/M and 7.00 RVP (1999)

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDGV VMT fraction: 0.622	Urban					LDGT2 VMT fraction: 0.088	Urban					
	Fwys & Expwys	55.7	1.00	10,707,450	6676		Fwys & Expwys	55.7	1.47	10,707,450	1382	
	Principal art.	30.3	1.35	13,974,274	11757		Principal art.	30.3	1.97	13,974,274	2418	
	Minor art.	30.3	1.35	3,850,055	3239		Minor art.	30.3	1.97	3,850,055	666	
	Collectors	25	1.54	1,781,291	1711		Collectors	25	2.24	1,781,291	351	
	Local roads	20	1.81	5,192,266	5839		Local roads	20	2.62	5,192,266	1196	
	Rural						Rural					
	Fwys & Expwys	59.3	1.09	3,416,632	2309		Fwys & Expwys	59.3	1.63	3,416,632	489	
	Principal art.	36.7	1.19	7,397,908	5477		Principal art.	36.7	1.73	7,397,908	1127	
	Minor art.	36.7	1.19	2,038,199	1509		Minor art.	36.7	1.73	2,038,199	311	
	Collectors	30	1.36	664,397	563		Collectors	30	1.98	664,397	116	
	Local roads	20	1.81	3,510,146	3947		Local roads	20	2.62	3,510,146	808	
LDGT1 VMT fraction: 0.177	Urban					HDGV VMT fraction: 0.036	Urban					
	Fwys & Expwys	55.7	1.40	10,707,450	2655		Fwys & Expwys	55.7	2.60	10,707,450	1001	
	Principal art.	30.3	1.86	13,974,274	4607		Principal art.	30.3	3.44	13,974,274	1732	
	Minor art.	30.3	1.86	3,850,055	1269		Minor art.	30.3	3.44	3,850,055	477	
	Collectors	25	2.12	1,781,291	668		Collectors	25	3.94	1,781,291	253	
	Local roads	20	2.46	5,192,266	2261		Local roads	20	4.66	5,192,266	871	
	Rural						Rural					
	Fwys & Expwys	59.3	1.54	3,416,632	932		Fwys & Expwys	59.3	2.58	3,416,632	317	
	Principal art.	36.7	1.64	7,397,908	2151		Principal art.	36.7	3.06	7,397,908	815	
	Minor art.	36.7	1.64	2,038,199	593		Minor art.	36.7	3.06	2,038,199	225	
	Collectors	30	1.88	664,397	221		Collectors	30	3.47	664,397	83	
	Local roads	20	2.46	3,510,146	1528		Local roads	20	4.66	3,510,146	589	
				Total:	59914					Total:	15226	

Total On-Road Inventory - 1996 I/M, 7.00 RVP and Phase I RFG (1999) - Continued

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDDV VMT fraction: 0.003	Urban					HDDV VMT fraction: 0.069	Urban					
	Fwys & Expwys	55.7	0.34	10,707,450	11		Fwys & Expwys	55.7	1.00	10,707,450	739	
	Principal art.	30.3	0.52	13,974,274	22		Principal art.	30.3	1.55	13,974,274	1491	
	Minor art.	30.3	0.52	3,850,055	6		Minor art.	30.3	1.55	3,850,055	411	
	Collectors	25	0.61	1,781,291	3		Collectors	25	1.82	1,781,291	224	
	Local roads	20	0.72	5,192,266	11		Local roads	20	2.13	5,192,266	764	
	Rural						Rural					
	Fwys & Expwys	59.3	0.33	3,416,632	3		Fwys & Expwys	59.3	0.98	3,416,632	232	
	Principal art.	36.7	0.44	7,397,908	10		Principal art.	36.7	1.31	7,397,908	671	
	Minor art.	36.7	0.44	2,038,199	3		Minor art.	36.7	1.31	2,038,199	185	
	Collectors	30	0.52	664,397	1		Collectors	30	1.56	664,397	72	
	Local roads	20	0.72	3,510,146	8		Local roads	20	2.13	3,510,146	516	
LDDT VMT fraction: 0.001	Urban					MC VMT fraction: 0.005	Urban					
	Fwys & Expwys	55.7	0.35	10,707,450	4		Fwys & Expwys	55.7	7.30	10,707,450	391	
	Principal art.	30.3	0.54	13,974,274	8		Principal art.	30.3	7.67	13,974,274	536	
	Minor art.	30.3	0.54	3,850,055	2		Minor art.	30.3	7.67	3,850,055	148	
	Collectors	25	0.64	1,781,291	1		Collectors	25	7.94	1,781,291	71	
	Local roads	20	0.75	5,192,266	4		Local roads	20	8.25	5,192,266	214	
	Rural						Rural					
	Fwys & Expwys	59.3	0.35	3,416,632	1		Fwys & Expwys	59.3	7.65	3,416,632	131	
	Principal art.	36.7	0.46	7,397,908	3		Principal art.	36.7	7.43	7,397,908	275	
	Minor art.	36.7	0.46	2,038,199	1		Minor art.	36.7	7.43	2,038,199	76	
	Collectors	30	0.55	664,397	0		Collectors	30	7.68	664,397	26	
	Local roads	20	0.75	3,510,146	3		Local roads	20	8.25	3,510,146	145	
				Total:	104					Total:	7314	
							Grand Total	77659	Grand Total with Fuel Correction		75863	

Total On-Road Inventory - 1996 I/M and 7.00 RVP (1999) - Continued

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDDV VMT fraction: 0.003	Urban					HDDV VMT fraction: 0.069	Urban					
	Fwys & Expwys	55.7	0.34	10,707,450	11		Fwys & Expwys	55.7	1.00	10,707,450	739	
	Principal art.	30.3	0.52	13,974,274	22		Principal art.	30.3	1.55	13,974,274	1491	
	Minor art.	30.3	0.52	3,850,055	6		Minor art.	30.3	1.55	3,850,055	411	
	Collectors	25	0.61	1,781,291	3		Collectors	25	1.82	1,781,291	224	
	Local roads	20	0.73	5,192,266	11		Local roads	20	2.17	5,192,266	777	
	Rural						Rural					
	Fwys & Expwys	59.3	0.33	3,416,632	3		Fwys & Expwys	59.3	0.98	3,416,632	232	
	Principal art.	36.7	0.44	7,397,908	10		Principal art.	36.7	1.31	7,397,908	671	
	Minor art.	36.7	0.44	2,038,199	3		Minor art.	36.7	1.31	2,038,199	185	
	Collectors	30	0.52	664,397	1		Collectors	30	1.56	664,397	72	
	Local roads	20	0.73	3,510,146	8		Local roads	20	2.17	3,510,146	525	
LDDT VMT fraction: 0.001	Urban					MC VMT fraction: 0.005	Urban					
	Fwys & Expwys	55.7	0.35	10,707,450	4		Fwys & Expwys	55.7	7.23	10,707,450	387	
	Principal art.	30.3	0.54	13,974,274	8		Principal art.	30.3	7.60	13,974,274	531	
	Minor art.	30.3	0.54	3,850,055	2		Minor art.	30.3	7.60	3,850,055	146	
	Collectors	25	0.64	1,781,291	1		Collectors	25	7.88	1,781,291	70	
	Local roads	20	0.76	5,192,266	4		Local roads	20	8.24	5,192,266	214	
	Rural						Rural					
	Fwys & Expwys	59.3	0.35	3,416,632	1		Fwys & Expwys	59.3	7.59	3,416,632	130	
	Principal art.	36.7	0.46	7,397,908	3		Principal art.	36.7	7.35	7,397,908	272	
	Minor art.	36.7	0.46	2,038,199	1		Minor art.	36.7	7.35	2,038,199	75	
	Collectors	30	0.55	664,397	0		Collectors	30	7.62	664,397	25	
	Local roads	20	0.76	3,510,146	3		Local roads	20	8.24	3,510,146	145	
				Total:	105					Total:	7320	
								Grand Total	82565	Grand Total with Fuel Correction		80647

Composite Emission Factors - 1996 I/M, 7.00 RVP and Phase I RFG (1999)

MOBILE5a Run: 99rfg/99rfgno 12/18/97

I/M splits: 89.6% I/M and 10.6% Non-I/M

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	
LDGV	Urban					LDGT2	Urban					
	Fwys & Expwys	55.7	0.909	1.18	0.939438		Fwys & Expwys	55.7	1.334	1.72	1.37769	
	Principal art.	30.3	1.219	1.59	1.261188		Principal art.	30.3	1.788	2.30	1.84553	
	Minor art.	30.3	1.219	1.59	1.261188		Minor art.	30.3	1.788	2.30	1.84553	
	Collectors	25	1.386	1.82	1.434988		Collectors	25	2.034	2.62	2.099866	
	Local roads	20	1.614	1.82	1.639276		Local roads	20	2.368	2.62	2.39913	
	Rural						Rural					
	Fwys & Expwys	59.3	0.98	1.28	1.013972		Fwys & Expwys	59.3	1.474	1.92	1.5238	
	Principal art.	30.3	1.077	1.40	1.113498		Principal art.	30.3	1.576	2.03	1.626852	
	Minor art.	30.3	1.077	1.40	1.113498		Minor art.	30.3	1.576	2.03	1.626852	
	Collectors	30	1.227	1.61	1.269522		Collectors	30	1.8	2.31	1.857978	
	Local roads	20	1.614	1.82	1.639276		Local roads	20	2.368	2.62	2.39913	
LDGT1	Urban					HDGV	Urban					
	Fwys & Expwys	55.7	1.275	1.66	1.318678		Fwys & Expwys	55.7	2.58	2.68	2.595336	
	Principal art.	30.3	1.689	2.21	1.747074		Principal art.	30.3	3.39	3.56	3.414906	
	Minor art.	30.3	1.689	2.21	1.747074		Minor art.	30.3	3.39	3.56	3.414906	
	Collectors	25	1.914	2.51	1.981216		Collectors	25	3.862	4.08	3.89315	
	Local roads	20	2.213	2.51	2.24912		Local roads	20	4.547	4.08	4.50691	
	Rural						Rural					
	Fwys & Expwys	59.3	1.393	1.84	1.443274		Fwys & Expwys	59.3	2.559	2.65	2.574188	
	Principal art.	30.3	1.494	1.94	1.544476		Principal art.	30.3	3.027	3.16	3.047258	
	Minor art.	30.3	1.494	1.94	1.544476		Minor art.	30.3	3.027	3.16	3.047258	
	Collectors	30	1.7	2.22	1.75852		Collectors	30	3.411	3.59	3.436266	
	Local roads	20	2.213	2.51	2.24912		Local roads	20	4.547	4.08	4.50691	

Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	Vehicle Class	Roadway Type	Speed (MPH)	EF - I/M (grams/mile)	EF-No I/M (grams/mile)	Composite EF (grams/mile)	
LDDV	Urban					HDDV	Urban					
	Fwys & Expwys	55.7	0.335	0.34	0.33567		Fwys & Expwys	55.7	0.998	1.00	0.999996	
	Principal art.	30.3	0.518	0.52	0.519036		Principal art.	30.3	1.543	1.54	1.546086	
	Minor art.	30.3	0.518	0.52	0.519036		Minor art.	30.3	1.543	1.54	1.546086	
	Collectors	25	0.61	0.61	0.61122		Collectors	25	1.816	1.82	1.819632	
	Local roads	20	0.727	0.61	0.716052		Local roads	20	2.165	1.82	2.132336	
	Rural						Rural					
	Fwys & Expwys	59.3	0.33	0.33	0.33066		Fwys & Expwys	59.3	0.982	0.98	0.983964	
	Principal art.	30.3	0.44	0.44	0.44088		Principal art.	30.3	1.311	1.31	1.313622	
	Minor art.	30.3	0.44	0.44	0.44088		Minor art.	30.3	1.311	1.31	1.313622	
	Collectors	30	0.523	0.52	0.524046		Collectors	30	1.557	1.56	1.560114	
	Local roads	20	0.727	0.61	0.716052		Local roads	20	2.165	1.82	2.132336	
LDDT	Urban					MC	Urban					
	Fwys & Expwys	55.7	0.351	0.35	0.351702		Fwys & Expwys	55.7	7.287	7.29	7.301574	
	Principal art.	30.3	0.543	0.54	0.544086		Principal art.	30.3	7.655	7.66	7.67031	
	Minor art.	30.3	0.543	0.54	0.544086		Minor art.	30.3	7.655	7.66	7.67031	
	Collectors	25	0.639	0.64	0.640278		Collectors	25	7.927	7.93	7.942854	
	Local roads	20	0.762	0.64	0.750486		Local roads	20	8.272	7.93	8.251974	
	Rural						Rural					
	Fwys & Expwys	59.3	0.346	0.35	0.346692		Fwys & Expwys	59.3	7.637	7.64	7.652274	
	Principal art.	30.3	0.461	0.46	0.461922		Principal art.	30.3	7.413	7.41	7.427826	
	Minor art.	30.3	0.461	0.46	0.461922		Minor art.	30.3	7.413	7.41	7.427826	
	Collectors	30	0.548	0.55	0.549096		Collectors	30	7.668	7.67	7.683336	
	Local roads	20	0.762	0.64	0.750486		Local roads	20	8.272	7.93	8.251974	

Total On-Road Inventory - 1996 I/M, 7.00 RVP and Phase I RFG (1999)

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDGV VMT fraction: 0.622	Urban					LDGT2 VMT fraction: 0.088	Urban					
	Fwys & Expwys	55.7	0.94	10,707,450	6257		Fwys & Expwys	55.7	1.38	10,707,450	1298	
	Principal art.	30.3	1.26	13,974,274	10962		Principal art.	30.3	1.85	13,974,274	2270	
	Minor art.	30.3	1.26	3,850,055	3020		Minor art.	30.3	1.85	3,850,055	625	
	Collectors	25	1.43	1,781,291	1590		Collectors	25	2.10	1,781,291	329	
	Local roads	20	1.64	5,192,266	5294		Local roads	20	2.40	5,192,266	1096	
	Rural						Rural					
	Fwys & Expwys	59.3	1.01	3,416,632	2155		Fwys & Expwys	59.3	1.52	3,416,632	458	
	Principal art.	36.7	1.11	7,397,908	5124		Principal art.	36.7	1.63	7,397,908	1059	
	Minor art.	36.7	1.11	2,038,199	1412		Minor art.	36.7	1.63	2,038,199	292	
	Collectors	30	1.27	664,397	525		Collectors	30	1.86	664,397	109	
	Local roads	20	1.64	3,510,146	3579		Local roads	20	2.40	3,510,146	741	
LDGT1 VMT fraction: 0.177	Urban					HDGV VMT fraction: 0.036	Urban					
	Fwys & Expwys	55.7	1.32	10,707,450	2499		Fwys & Expwys	55.7	2.60	10,707,450	1000	
	Principal art.	30.3	1.75	13,974,274	4321		Principal art.	30.3	3.41	13,974,274	1718	
	Minor art.	30.3	1.75	3,850,055	1191		Minor art.	30.3	3.41	3,850,055	473	
	Collectors	25	1.98	1,781,291	625		Collectors	25	3.89	1,781,291	250	
	Local roads	20	2.25	5,192,266	2067		Local roads	20	4.51	5,192,266	842	
	Rural						Rural					
	Fwys & Expwys	59.3	1.44	3,416,632	873		Fwys & Expwys	59.3	2.57	3,416,632	317	
	Principal art.	36.7	1.54	7,397,908	2022		Principal art.	36.7	3.05	7,397,908	812	
	Minor art.	36.7	1.54	2,038,199	557		Minor art.	36.7	3.05	2,038,199	224	
	Collectors	30	1.76	664,397	207		Collectors	30	3.44	664,397	82	
	Local roads	20	2.25	3,510,146	1397		Local roads	20	4.51	3,510,146	570	
				Total:	55676					Total:	14564	

Total On-Road Inventory - 1996 I/M, 7.00 RVP and Phase I RFG (1999) - Continued

Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	Vehicle Class	Roadway Type	Speed (MPH)	Factor (grams/mile)	DVMT (miles/day)	Emissions (kg/day)	
LDDV VMT fraction: 0.003	Urban					HDDV VMT fraction: 0.069	Urban					
	Fwys & Expwys	55.7	0.34	10,707,450	11		Fwys & Expwys	55.7	1.00	10,707,450	739	
	Principal art.	30.3	0.52	13,974,274	22		Principal art.	30.3	1.55	13,974,274	1491	
	Minor art.	30.3	0.52	3,850,055	6		Minor art.	30.3	1.55	3,850,055	411	
	Collectors	25	0.61	1,781,291	3		Collectors	25	1.82	1,781,291	224	
	Local roads	20	0.72	5,192,266	11		Local roads	20	2.13	5,192,266	764	
	Rural						Rural					
	Fwys & Expwys	59.3	0.33	3,416,632	3		Fwys & Expwys	59.3	0.98	3,416,632	232	
	Principal art.	36.7	0.44	7,397,908	10		Principal art.	36.7	1.31	7,397,908	671	
	Minor art.	36.7	0.44	2,038,199	3		Minor art.	36.7	1.31	2,038,199	185	
	Collectors	30	0.52	664,397	1		Collectors	30	1.56	664,397	72	
	Local roads	20	0.72	3,510,146	8		Local roads	20	2.13	3,510,146	516	
LDDT VMT fraction: 0.001	Urban					MC VMT fraction: 0.005	Urban					
	Fwys & Expwys	55.7	0.35	10,707,450	4		Fwys & Expwys	55.7	7.30	10,707,450	391	
	Principal art.	30.3	0.54	13,974,274	8		Principal art.	30.3	7.67	13,974,274	536	
	Minor art.	30.3	0.54	3,850,055	2		Minor art.	30.3	7.67	3,850,055	148	
	Collectors	25	0.64	1,781,291	1		Collectors	25	7.94	1,781,291	71	
	Local roads	20	0.75	5,192,266	4		Local roads	20	8.25	5,192,266	214	
	Rural						Rural					
	Fwys & Expwys	59.3	0.35	3,416,632	1		Fwys & Expwys	59.3	7.65	3,416,632	131	
	Principal art.	36.7	0.46	7,397,908	3		Principal art.	36.7	7.43	7,397,908	275	
	Minor art.	36.7	0.46	2,038,199	1		Minor art.	36.7	7.43	2,038,199	76	
	Collectors	30	0.55	664,397	0		Collectors	30	7.68	664,397	26	
	Local roads	20	0.75	3,510,146	3		Local roads	20	8.25	3,510,146	145	
				Total:	104					Total:	7314	
								Grand Total	77659	Grand Total with Fuel Correction		75863