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Annual Vehicle Miles of Travel and Related Data

Procedures Used to Derive the Data Elements of the 1994 Table VM-1

**Office of Highway Information Management
Federal Highway Administration
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Washington, D.C. 20590**

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16. Abstract <p>Table VM-1 is one of the most widely referenced sources of travel information in the annual " Highway Statistics" publication. VM-1 is a national-level table describing vehicle distance traveled in miles, by highway category and vehicle type. It also shows the number of vehicles registered, total fuel consumption, average miles traveled, average miles per gallon, and average fuel consumption for each vehicle type. The information shown in Table VM-1 is based primarily on data supplied by each State and the District of Columbia.</p> <p>This report describes the procedures used to derive the data elements in Table VM-1. The format of Table VM-1 was changed for 1994 data year. Both the table format and the calculation methodology have been revised. This was done to enhance clarity, provide a more explicit description of "other two-axle four-tire vehicles," and to be consistent with the National Highway Traffic Safety Administration and the Truck Inventory and Use Survey definitions of vehicle types. The nature of the format change and estimation procedures are detailed in this technical report.</p>					
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SI* (MODERN METRIC) CONVERSION FACTORS

APPROXIMATE CONVERSIONS TO SI UNITS

APPROXIMATE CONVERSIONS FROM SI UNITS

Symbol	When You Know	Multiply By	To Find	Symbol	Symbol	When You Know	Multiply By	To Find	Symbol
LENGTH					LENGTH				
in	inches	25.4	millimeters	mm	mm	millimeters	0.039	inches	in
ft	feet	0.305	meters	m	m	meters	3.28	feet	ft
yd	yards	0.914	meters	m	m	meters	1.09	yards	yd
mi	miles	1.61	kilometers	km	km	kilometers	0.621	miles	mi
AREA					AREA				
in ²	square inches	645.2	square millimeters	mm ²	mm ²	square millimeters	0.0016	square inches	in ²
ft ²	square feet	0.093	square meters	m ²	m ²	square meters	10.764	square feet	ft ²
yd ²	square yards	0.836	square meters	m ²	m ²	square meters	1.195	square yards	yd ²
ac	acres	0.405	hectares	ha	ha	hectares	2.47	acres	ac
mi ²	square miles	2.59	square kilometers	km ²	km ²	square kilometers	0.386	square miles	mi ²
VOLUME					VOLUME				
fl oz	fluid ounces	29.57	milliliters	mL	mL	milliliters	0.034	fluid ounces	fl oz
gal	gallons	3.785	liters	L	L	liters	0.264	gallons	gal
ft ³	cubic feet	0.028	cubic meters	m ³	m ³	cubic meters	35.71	cubic feet	ft ³
yd ³	cubic yards	0.765	cubic meters	m ³	m ³	cubic meters	1.307	cubic yards	yd ³
NOTE: Volumes greater than 1000 l shall be shown in m ³ .									
MASS					MASS				
oz	ounces	28.35	grams	g	g	grams	0.035	ounces	oz
lb	pounds	0.454	kilograms	kg	kg	kilograms	2.202	pounds	lb
T	short tons (2000 lb)	0.907	megagrams (or "metric ton")	Mg (or "t")	Mg (or "t")	megagrams (or "metric ton")	1.103	short tons (2000 lb)	T
TEMPERATURE (exact)					TEMPERATURE (exact)				
°F	Fahrenheit temperature	5(F-32)/9 or (F-32)/1.8	Celcius temperature	°C	°C	Celcius temperature	1.8C + 32	Fahrenheit temperature	°F
ILLUMINATION					ILLUMINATION				
fc	foot-candles	10.76	lux	lx	lx	lux	0.0929	foot-candles	fc
fl	foot-Lamberts	3.426	candela/m ²	cd/m ²	cd/m ²	candela/m ²	0.2919	foot-Lamberts	fl
FORCE and PRESSURE or STRESS					FORCE and PRESSURE or STRESS				
lbf	poundforce	4.45	newtons	N	N	newtons	0.225	poundforce	lbf
lbf/in ²	poundforce per square inch	6.89	kilopascals	kPa	kPa	kilopascals	0.145	poundforce per square inch	lbf/in ²

* SI is the symbol for the International System of Units. Appropriate rounding should be made to comply with Section 4 of ASTM E380.

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Introduction

The purpose of this report is to document the preparation of the 1994 Table VM-1, including data sources, assumptions, and estimating procedures. Table VM-1 describes vehicle distance traveled in miles, by highway category and vehicle type. Since 1936, the VM-1 table has been published annually in *Highway Statistics*.¹ The *Highway Statistics* publication is produced by the Federal Highway Administration (FHWA), Office of Highway Information Management. VM-1 depicts national travel for the current year and revised travel estimates for the previous year. This information is segregated by passenger cars, motorcycles, buses, other two-axle four-tire vehicles, and trucks on the rural interstate system, other rural arterial, other rural roads, urban interstate system, and other urban streets. Table VM-1 also shows the number of vehicles registered and total fuel consumption by vehicle type. Also included, are the calculated average miles of travel, average miles traveled per gallon, and average fuel consumption for each vehicle type. In addition, VM-1 provides the FHWA estimate of person-miles of travel. The 1994 VM-1 table is shown in Appendix A.

VM-1 is a widely referenced source of information. The Federal Highway Administration (FHWA), State Highway Agencies (SHAs), and Metropolitan Planning Organizations (MPOs) use VM-1 for planning, budgeting, and legislative purposes. Academia uses VM-1 for course work or as a source of research. Private organizations like insurance companies rely on VM-1 for travel and registration data that affect the insurance industry. In addition, transportation-related trade associations use the data for legislative efforts. These are only some of the wide variety of uses of Table VM-1.

Data Sources

The information displayed in Table VM-1 is based primarily on data supplied by each State and the District of Columbia. These data are typically collected and compiled by the SHA, however, some elements of Table VM-1 may originate from other agencies within a State. For example, vehicle registration data is often collected and maintained by a State's Motor Vehicle Administration. States may also coordinate travel data collection with Metropolitan Planning Organizations. A growing trend is to outsource travel data collection by contracting with private companies to provide some or all Statewide data collection services.

Vehicle Miles of Travel

The key elements of travel data pertaining to VM-1 are vehicles miles of travel (VMT) by functionally classified roadway and VMT by vehicle type. Table VM-2 (Appendix B) is a primary input to VM-1. It shows VMT by roadway functional class as reported by each State. The other critical State-supplied data set is shown in the VM-4 series (Appendix C). The VM-4 tables display the distribution of VMT by vehicle type for each arterial roadway classification and reflect data as submitted directly by the States.

Total VMT by highway category in VM-1 is based on aggregating data from VM-2. For instance, the VM-2 totals for rural interstate, rural total, urban interstate, urban total, and the grand totals are directly entered in the "All Motor Vehicles" total in VM-1. The VM-2 rural other principal arterial and rural minor arterial category totals are aggregated and shown in the VM-1 other arterial rural category. Likewise, the VM-2 rural major collector, rural minor collector, and rural local road VMT totals are combined to form the total for the VM-1 other rural category. On the urban side, the VM-2 urban other freeways and expressways, urban other principal arterial, urban minor arterial, urban collector, and urban local categories are added to provide the control total for the VM-1 "other urban" category. There may be slight differences in these calculations due to rounding.

Vehicle Distribution

In order to segregate the total VMT for each highway category into VMT by vehicle type, information on vehicle distribution is required. This distribution information is found in Table VM-4. States submit vehicle distribution information as part of the Highway Performance Monitoring System (HPMS) program. Vehicle type distribution, as reported by the States, varies as shown in the VM-4 series of tables. Factors causing this variation include, different data collection methodologies from State to State, different types of automatic vehicle classification (AVC) equipment, varied regional travel patterns, combining vehicle types, seasonality, day of week, and time of day constraints. Analysts are strongly urged to pay particular attention to the footnotes for the VM-4 series. Also, keep in mind that this data collection effort is a Statewide approach to classifying vehicles. Specific regions within a State may have very different vehicle distributions. Researchers are urged to contact SHAs or MPOs with area-specific data requirements.

In cases where States fail to report certain vehicle types, or where they combine vehicle types into one category, estimates for the missing types, as well as, disaggregation of combined types are based on a national average of all States that supplied these vehicle type distributions. In addition, the VM-1 calculation procedure makes adjustments for temporal variation. Each State submits a form with the vehicle classification distribution data that describes the months, days, and hours for which the data were collected. The missing temporal elements of each State's data set are calculated using a national data set developed through FHWA-sponsored research². This procedure accounts for anomalies attributed to seasonal, weekday-only, or partial day data collection.

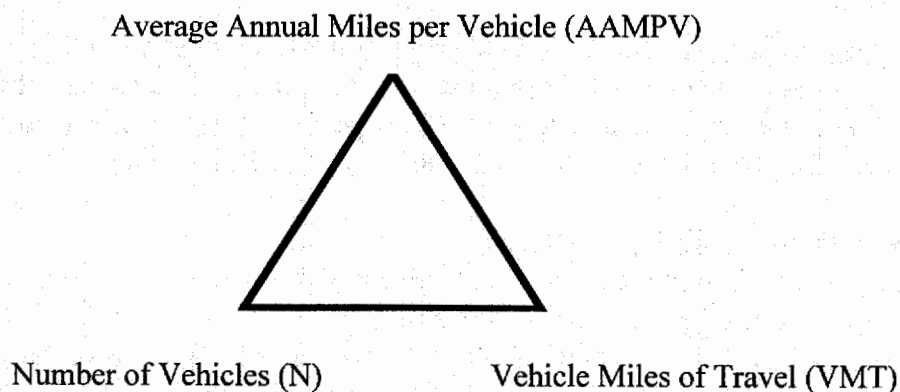
Following the above procedures, VMT is calculated for each State by vehicle type, and roadway functional classification. The Statewide totals are next aggregated into a national total VMT by vehicle type and functional class. As might be expected, these interim totals do not exactly match the control totals from Table VM-2 due to differing calculation methods. Therefore, distributions obtained from the interim totals are then applied to the control totals for the final VMT estimates.

Passenger Cars and Other Two-Axle Four-Tire Vehicles

Passenger car and other two-axle four-tire vehicle VMTs require additional processing. These two vehicle group VMTs are summed to a composite national VMT. Travel for the various vehicle types that compose the "Other Two-Axle Four-Tire Vehicle" category are then extracted individually based on average annual miles traveled per vehicle (AAMPV), and the number of vehicles registered. AAMPV for the pickup truck, minivan, full-size van, and utility vehicle types are reported in the Bureau of Census *1992 Truck Inventory and Use Survey* (TIUS).³ This AAMPV is projected to the current year and multiplied by the projected number of each vehicle type registered as reported by TIUS. The product yields VMT for each of the light truck vehicle types (i.e., pickup trucks, minivans, full-size van, and utility vehicles). Individual vehicle type VMTs are then summed to provide total VMT for light trucks. Total light truck VMT is then divided by total light registrations to give AAMPV for the vehicle group.

The light truck AAMPV must then be reconciled with the number of vehicles registered as reported annually by the States. This is done to correlate the vehicle registration data reported in Table VM-1 with the number of vehicles shown in Table MV-1 of *Highway Statistics*. Light truck VMT is derived by multiplying the FHWA-determined number of light trucks by the light truck AAMPV estimate. Passenger car VMT is then produced by subtracting light truck VMT from the summed passenger car and other two axle four tire vehicle VMT.

This methodology uses the data elements with the greatest integrity to derive the missing component. This is based on the relationship between VMT, AAMPV, and the number of registered vehicles. These three functions are dependent upon each another as illustrated below.



The functional relationships are as follows:

$$N = VMT / AAMPV$$

$$AAMPV = VMT / N$$

$$VMT = N * AAMPV$$

Passenger car VMT as determined by AVC equipment often cannot distinguish between passenger cars and some two-axle four-tire vehicle types. Minivans and sport/utility vehicles are particularly difficult for the AVC machine to distinguish from automobiles. As a result, VMT becomes the least stable of the three functions for these two vehicle groups individually. This provides justification for use of the $VMT = N * AAMPV$ formula as shown. This procedure is applicable only to the passenger car and other two-axle four-tire vehicle categories.

AVC equipment is a more accurate source of VMT for the remaining vehicle types. A recent study, sponsored by the FHWA, Office of Highway Information Management, supports this conclusion. The study, conducted by the Georgia Department of Transportation, and authored by the Georgia Tech Research Institute of the Georgia Institute of Technology, sampled thousands of vehicles using various AVC configurations.⁴ The tests showed that the equipment correctly classified vehicle types within an accuracy range of 64% to 79% with passenger cars separated from other two-axle four-tire vehicles. Combining passenger cars and other two-axle four-tire vehicles yields an accuracy range of 79% to 96%. Given these accuracy rates, the $AAMPV = VMT / N$ formula becomes the most appropriate model for vehicle types other than passenger cars or other two-axle four-tire vehicles.

Related Data

The preceding sections document VMT estimates by highway category and vehicle type. Table VM-1 also includes other related information. This information describes numbers of vehicles registered, average distance traveled per vehicle, person distance traveled, and various fuel related data. The lower half of Table VM-1 shows these data elements.

Number of Motor Vehicles Registered

Vehicle registration information is found in Table MV-1 of *Highway Statistics* (Appendix D). The MV-1 table totals become control totals for Table VM-1. Table MV-1 total automobile registrations include private, commercial, and publicly owned cars. This value appears in the VM-1 passenger car category. The same holds for the bus and motorcycle categories. Tables MV-1 and MV-9, (Appendix E), include vans, minivans, and utility-type vehicles in the truck category as described in each table's footnotes. The proportion of vans, minivans, and utility-type vehicle registrations are extracted from State-submitted data using the R. L. Polk vehicle

registration database light truck distribution.⁵ The R. L. Polk company uses vehicle manufacturer's vehicle identification number (VIN) to quantify and identify the characteristics of the national vehicle fleet. The light truck vehicle types are aggregated in the other two-axle four-tire vehicle category in Table VM-1. The footnotes for Table VM-1 precisely define these vehicle types.

Total truck registrations from Table MV-1 are transferred to other two-axle four-tire vehicles and single-unit two-axle six-tire or more trucks in Table VM-1. The number of combination truck registrations in VM-1 is based on truck and truck-tractor registrations from Table MV-9, publicly owned trailer and semitrailer registrations from Table MV-11 (Appendix F), and an FHWA estimate of straight trucks pulling large trailers at least 50% of the time. This estimate is derived from the most recent TIUS. The TIUS provides data on the physical and operational characteristics of the Nation's truck population as described in previous sections. The TIUS is based on a sample of private and commercial trucks registered in each State during the survey year.

Note that the total of all motor vehicles in Table MV-1 does not compare with the "All Motor Vehicles" total in VM-1. This is due to the absence of motorcycles in the MV-1 total and their presence in the VM-1 total. There may also be slight differences in these calculations due to rounding.

Average Miles Traveled per Vehicle

Average miles traveled per vehicle in Table VM-1 is calculated by dividing total VMT for each vehicle type by the number of vehicles for that type of vehicle.

Person-Miles of Travel

Person miles of travel are calculated by multiplying vehicle miles of travel by average number of occupants for each vehicle type. Average number of vehicle occupants for passenger cars, motorcycles, and buses are estimated using data provided by the *Nationwide Personal Transportation Survey* (NPTS)⁶. The NPTS is a large-scale telephone household survey conducted approximately every five years. The target population for this survey is all persons five years and older who reside in the 50 States and the District of Columbia. The survey queried respondents on all aspects of trip-making during a specified time. Among the questions were inquiries about vehicle occupancy during these trips.

Fuel Consumption

Fuel consumed by all motor vehicles, as shown in VM-1 is a control total. It is extracted from Table MF-21 of *Highway Statistics* (Appendix G). The total is distributed among the vehicle types based on the miles per gallon (MPG) for each vehicle type. Average miles traveled per gallon of fuel consumed is estimated using the TIUS database. Miles per gallon are projected to the current data year using the previous year's data, TIUS estimates, and CAFE standards.

Particular attention is focused on diesel fuel usage. Careful analysis of combination truck data reveals a potential low estimate for average miles traveled per truck in the TIUS. Assuming that most diesel fuel is consumed by combination trucks, the TIUS estimates of average miles traveled per combination truck reconciled with the TIUS estimate for MPG shows a substantial shortfall of diesel fuel used. Various methods of this calculation do not account for approximately 28% diesel fuel. The FHWA therefore uses the TIUS MPG figure as a baseline rather than the average miles traveled per vehicle. The assumption here is that the TIUS respondents more accurately estimated MPG than average miles traveled per vehicle.

Average fuel consumed per vehicle is based on fuel consumed by each vehicle type divided by the number of vehicles registered for that vehicle type. This calculation is applied to each vehicle type in Table VM-1.

Table VM-1 Format Change

The format of Table VM-1 was changed for the 1994 data year. Both the table format and the calculation methodology have been revised. This was done to enhance clarity, provide a more explicit definition of "other two-axle four-tire vehicles," and to be consistent with the TIUS.

The effect of a more stringent distinction between passenger cars and other two-axle four-tire vehicles results in VMT, number of motor vehicles registered, person-miles of travel, and fuel consumed to be lower than previous years for passenger cars and higher for other two-axle four-tire vehicles. This change also affects average fuel consumed per vehicle and average miles traveled per gallon of fuel consumed. As a result of these changes, passenger cars and other two-axle four-tire vehicles must be aggregated when comparing trends across previous years.

Footnote number 2 of Table VM-1 describes other two-axle four-tire vehicles as those vehicles that have two axles and four tires but are not passenger cars. These include vans, pickup trucks, and sport/utility vehicles. This definition is consistent with the *Traffic Monitoring Guide* (TMG).⁷ Also note that other two-axle four-tire vehicles are no longer called "trucks." In previous years, some minivans and sport/utility vehicles were included with passenger cars due to data collection equipment limitations as described earlier.

Metric

The VM-1 and VM-2 tables are provided in metric format. Referred to as VM-1M, and VM-2M respectively, the metric versions appear in *Highway Statistics* beginning with the 1994 edition. Tables VM-1M and VM-2M are shown in appendices H and I.

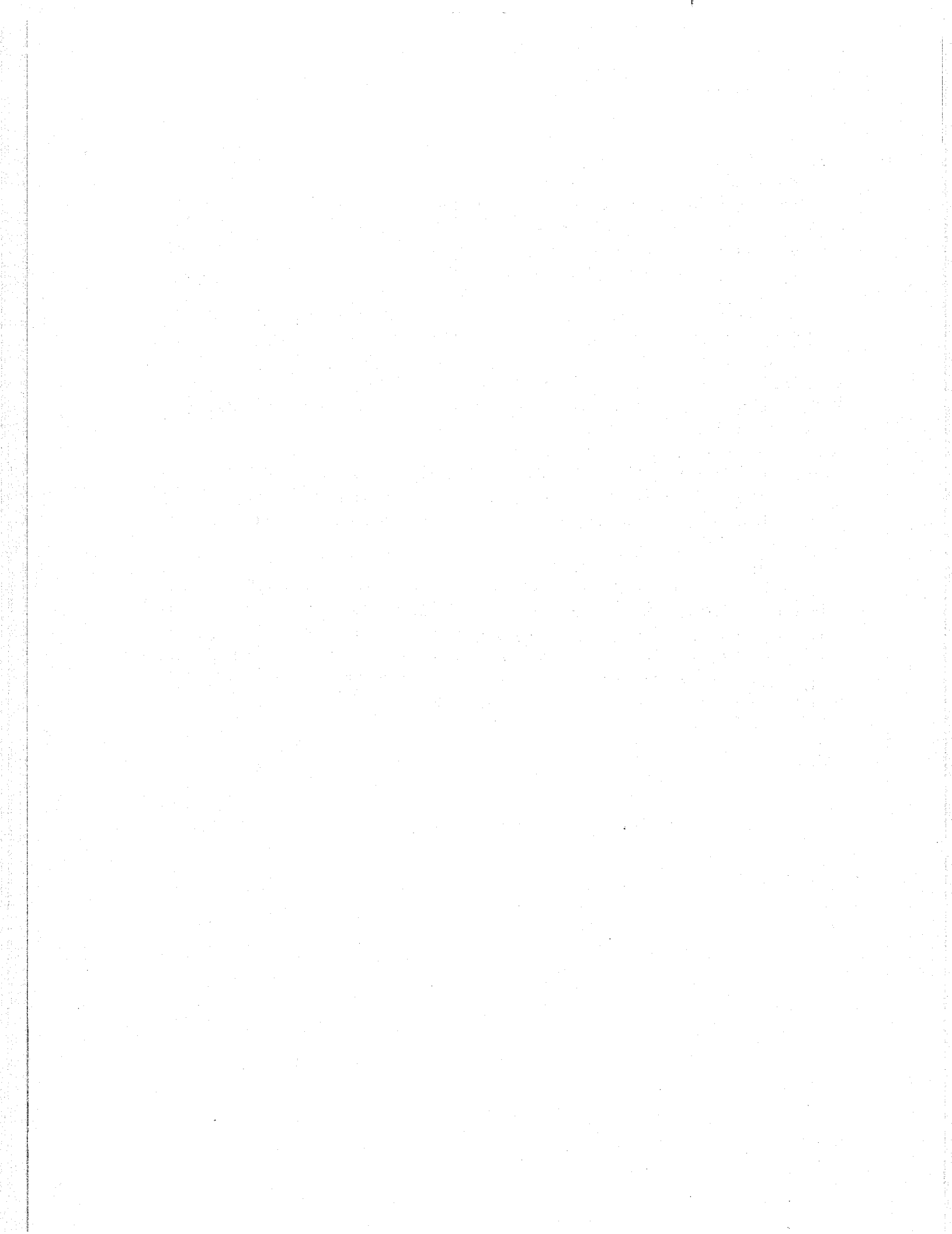
Summary

The two parts of Table VM-1 depend on numerous other resources. VM-1 integrates the elements of vehicle travel, vehicle classification, number of vehicles, and fuel usage into a comprehensive data source. Each of these elements must be compatible with each of the other elements. In this sense, VM-1 resembles a jigsaw puzzle.

Travel data is derived from data submitted by each State annually. These data take the forms of VMT by roadway type, as in Table VM-2 and vehicle distribution, as in Table VM-4. The number of vehicles are derived from State-submitted data and the R. L. Polk vehicle identification number database. These data are detailed in Tables MV-1, MV-9, and MV-11. The fuel consumed by vehicle type is estimated using Table MF-21 which reflects fuel usage based on fuel tax revenue records for each State.

Improvements are needed in standards and data collection equipment. Critical research in vehicle classification equipment, alternative methods, and data quality must continue. These research efforts lead to continuous improvements in the accuracy of vehicle classification information.

Table VM-1 is a robust national transportation data source. The fact that Table VM-1 is referenced in many transportation and research documents is a testament to its impact. The FHWA continues to investigate improved means of collating, analyzing, and reporting this information. One may argue that a particular procedure or methodology used to create VM-1 is faulty. However, given the interrelationships among all the data elements in VM-1, its integrity as a whole is sound.



**ANNUAL VEHICLE DISTANCE TRAVELED IN MILES AND RELATED DATA - 1994¹
BY HIGHWAY CATEGORY AND VEHICLE TYPE**

OFFICE OF HIGHWAY
INFORMATION MANAGEMENT

TABLE VM-1
OCTOBER 1995

YEAR	ITEM	PASSENGER CARS	MOTOR- CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS	SUBTOTALS		ALL MOTOR VEHICLES
								PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
	Motor-Vehicle Travel: (millions of vehicle-miles)									
1994	Interstate Rural	126,913	1,281	684	46,941	6,486	33,613	173,854	40,099	215,918
1993		122,423	1,223	574	45,280	5,982	32,826	167,703	38,808	208,308
1994	Other Arterial Rural	223,723	1,699	1,155	95,881	12,035	23,023	319,604	35,058	357,516
1993		218,291	1,553	1,072	93,553	11,374	23,724	311,844	35,098	349,567
1994	Other Rural	199,437	1,427	1,896	107,389	13,937	11,895	306,826	25,832	335,981
1993		195,722	1,528	1,867	105,389	12,510	11,941	301,111	24,451	328,957
1994	All Rural	550,073	4,407	3,735	250,211	32,458	68,531	800,284	100,989	909,415
1993		536,436	4,304	3,513	244,222	29,866	68,491	780,658	98,357	886,832
1994	Interstate Urban	234,124	1,423	628	69,933	6,999	18,093	304,057	25,092	331,200
1993		225,243	1,666	514	67,280	6,513	16,183	292,523	22,696	317,399
1994	Other Urban	801,421	4,421	2,053	267,140	21,893	22,441	1,068,561	44,334	1,119,369
1993		785,687	3,936	2,099	261,896	20,402	18,449	1,047,583	38,851	1,092,469
1994	All Urban ⁴	1,035,545	5,844	2,681	337,073	28,892	40,534	1,372,618	69,426	1,450,569
1993		1,010,930	5,602	2,613	329,176	26,915	34,632	1,340,106	61,547	1,409,868
1994	Total Rural and Urban	1,585,618	10,251	6,416	587,284	61,350	109,065	2,172,902	170,415	2,359,984
1993		1,547,366	9,906	6,126	573,398	56,781	103,123	2,120,764	159,904	2,296,700
1994	Number of motor vehicles registered ⁵	133,929,661	3,718,127	670,423	57,141,967	4,678,197	1,625,117	191,071,628	6,303,313	201,763,491
1993		131,581,427	3,977,856	654,432	55,710,076	4,526,004	1,591,542	187,291,503	6,117,547	198,041,338
1994	Average miles traveled per vehicle	11,839	2,757	9,570	10,278	13,114	67,112	11,372	27,036	11,697
1993		11,760	2,490	9,361	10,293	12,546	64,794	11,323	26,139	11,597
1994	Person-miles of travel ⁶ (millions)	2,758,975	11,276	136,019	886,799	61,350	109,065	3,645,774	170,415	3,963,484
1993		2,692,417	10,897	129,871	865,831	56,781	103,123	3,558,248	159,904	3,858,920
1994	Fuel consumed ⁷ (thousand gallons)	73,825,329	205,020	975,076	37,550,143	8,995,601	18,580,068	111,375,473	27,575,669	140,131,238
1993		73,552,876	198,120	946,832	36,475,693	8,277,114	17,718,729	110,028,569	25,995,842	137,169,363
1994	Average fuel consumption per vehicle (gallons) ⁷	551	55	1,454	657	1,923	11,433	583	4,375	695
1993		559	50	1,447	655	1,829	11,133	587	4,249	693
1994	Average miles traveled per gallon of fuel consumed ⁷	21.48	50.00	6.58	15.64	6.82	5.87	19.51	6.18	16.84
1993		21.04	50.00	6.47	15.72	6.86	5.82	19.27	6.15	16.74

¹ The 50 states and the District of Columbia report travel by highway category, number of motor vehicles registered, and total fuel consumed. The travel and fuel data by vehicle type and stratification of trucks, as well as related data, are calculated by the Federal Highway Administration (FHWA). **Note that the format of this table is different from previous years.** Entries for 1993 have been revised based on the availability of more current data and to reflect the new format. Estimation procedures have been adjusted due to the availability of the 1992 Census of Transportation Truck Inventory and Use Survey (TIUS).

² Other 2-Axle 4-Tire Vehicles which are not passenger cars. These include vans, pickup trucks, and sport/utility vehicles. Note that in previous years, some minivans and sport/utility vehicles were included in the passenger car category.

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires.

⁴ Urban consists of travel on all roads and streets in urban places with 5,000 or greater population.

⁵ Stratification of the truck figures is made by the FHWA based on the 1992 TIUS. The combinations represent approximately the number of tractor-trailers with semi-trailer(s) and a majority of heavy single-unit trucks used regularly in combination with trailer(s). Truck vehicle figures should be regarded as preliminary and may be revised pending further analysis of the TIUS data.

⁶ As estimated by the FHWA using the Nationwide Personal Transportation Study, TIUS, and National Transportation Statistics Annual Report. 1993 data have been revised.

⁷ Total fuel consumption figures are derived from state fuel tax records and reflect impacts of improved tax compliance and some one-time changes in Federal and state fuel tax laws. Distribution by vehicle type is estimated by the FHWA based on miles per gallon for both diesel and gasoline powered vehicles as derived from the 1992 TIUS and other sources.

IV

Appendix A

Table VM-1

ANNUAL VEHICLE-MILES OF TRAVEL - 1994¹ BY FUNCTIONAL SYSTEM

OFFICE OF HIGHWAY
INFORMATION MANAGEMENT

(MILLIONS)

TABLE VM-2
OCTOBER 1995

STATE	RURAL							URBAN							TOTAL
	INTERSTATE	OTHER PRINCIPAL ARTERIAL	MINOR ARTERIAL	MAJOR COLLECTOR	MINOR COLLECTOR	LOCAL	TOTAL	INTERSTATE	OTHER FREEWAYS AND EXPRESSWAYS	OTHER PRINCIPAL ARTERIAL	MINOR ARTERIAL	COLLECTOR	LOCAL	TOTAL	
Alabama	4,854	5,168	4,037	4,899	1,160	4,423	24,541	4,729	377	6,231	4,996	2,376	5,706	24,415	48,956
Alaska	763	224	175	434	98	482	2,176	497	0	406	673	177	221	1,974	4,150
Arizona	5,299	2,192	1,671	2,716	308	1,609	13,795	3,564	1,514	8,994	5,316	2,792	2,799	24,979	38,774
Arkansas	3,255	4,119	3,086	3,865	657	1,141	16,123	2,113	762	2,638	1,926	674	712	8,825	24,948
California	13,986	15,146	8,751	9,753	2,709	2,378	52,723	53,773	43,121	52,801	39,390	13,749	16,386	219,220	271,943
Colorado	4,097	3,290	2,310	1,814	641	1,409	13,561	4,128	2,537	6,099	3,839	1,521	2,020	20,144	33,705
Connecticut	1,428	1,333	1,146	1,179	362	902	6,380	6,947	2,731	3,334	3,923	1,485	2,368	20,788	27,138
Delaware	0	1,301	286	572	76	437	2,672	1,048	81	1,249	719	437	819	4,353	7,025
Dist. of Columbia	0	0	0	0	0	0	0	477	404	916	334	376	376	3,448	3,448
Florida	9,502	10,518	4,311	2,456	1,404	3,536	31,727	14,499	5,978	26,719	14,201	9,515	19,350	90,262	121,989
Georgia	8,491	5,914	6,700	6,048	2,018	4,734	33,905	13,697	2,252	10,463	9,800	4,627	8,078	48,917	82,822
Hawaii ²	0	597	714	353	27	369	2,060	1,530	608	1,276	727	844	890	5,875	7,935
Idaho	1,753	1,734	803	1,195	214	2,098	7,797	808	0	1,107	1,005	445	490	3,855	11,652
Illinois ³	8,555	4,594	4,896	4,984	427	3,485	26,941	15,863	920	18,316	14,770	7,835	7,671	65,375	92,316
Indiana	7,655	5,393	4,182	10,025	1,939	2,555	31,759	6,793	1,015	9,310	6,588	2,076	4,567	30,349	62,108
Iowa	3,766	4,747	2,546	3,129	776	1,505	16,469	1,692	0	2,849	2,570	730	1,427	9,268	25,737
Kansas	2,760	3,737	2,113	2,924	268	1,557	13,359	2,774	983	2,774	2,416	831	1,862	11,319	24,678
Kentucky	4,849	4,911	2,078	5,072	2,302	2,841	22,053	4,784	697	4,151	3,919	1,679	2,539	17,769	39,822
Louisiana	5,177	3,080	2,460	5,651	1,521	2,166	20,055	4,457	658	5,438	4,216	1,326	1,280	17,375	37,430
Maine	1,780	1,679	1,737	2,153	734	1,071	9,154	489	131	939	858	624	274	3,315	12,469
Maryland	2,977	3,301	2,402	2,157	805	1,497	13,189	9,597	3,483	7,840	5,406	2,560	2,040	31,026	44,165
Massachusetts	2,188	1,621	1,321	1,447	230	866	7,673	11,365	3,459	9,182	7,913	2,644	4,754	39,317	46,990
Michigan	6,255	7,182	5,916	8,136	1,256	2,404	31,149	12,627	3,149	15,821	12,067	3,824	5,779	54,034	85,183
Minnesota	3,454	5,853	4,352	3,312	1,106	2,619	20,696	6,116	2,322	3,234	6,130	2,043	2,776	22,621	43,317
Mississippi	3,323	3,958	3,493	4,207	362	3,931	19,274	1,571	204	3,138	1,453	996	1,912	9,274	28,548
Missouri	5,772	7,344	3,250	6,297	441	2,554	25,658	9,541	2,733	6,957	4,727	2,033	6,039	31,630	57,288
Montana	1,941	1,892	981	1,049	312	692	6,867	211	0	780	409	295	554	2,249	9,116
Nebraska	2,140	2,558	1,986	1,363	257	1,150	9,454	791	169	2,391	1,406	533	722	6,012	15,466
Nevada	1,655	1,268	443	550	370	834	5,120	1,761	520	1,766	2,401	800	651	7,899	13,019
New Hampshire	1,442	1,463	963	1,241	440	598	6,107	787	532	939	1,369	391	376	4,394	10,501
New Jersey	2,039	3,522	1,305	2,061	736	1,279	10,942	8,886	7,380	11,714	9,576	3,397	8,571	49,524	60,466
New Mexico	4,046	2,575	1,203	1,708	447	2,721	12,700	1,485	1	3,232	985	762	1,315	7,780	20,480
New York	5,577	5,059	5,864	5,302	6,059	3,334	31,195	14,627	14,796	17,411	18,105	8,048	8,788	81,775	112,970
North Carolina	6,315	7,281	5,765	8,751	3,266	4,369	35,747	6,595	2,504	8,384	6,865	1,995	9,838	36,181	71,928
North Dakota	1,069	1,392	545	803	66	830	4,705	201	0	548	404	176	304	1,633	6,338
Ohio	8,475	6,619	4,839	9,607	1,994	6,219	37,753	17,936	3,872	11,546	11,026	4,776	11,291	60,447	98,200
Oklahoma ²	4,047	3,818	2,811	4,943	161	2,546	18,326	3,789	1,648	4,293	4,466	999	3,459	18,654	36,980
Oregon	3,811	4,670	1,840	2,802	752	1,818	15,693	3,415	1,030	3,802	2,672	1,391	1,450	13,760	29,453
Pennsylvania	7,702	9,155	7,905	5,693	2,624	6,247	39,326	9,086	5,085	15,541	11,201	6,226	5,882	53,021	92,347
Rhode Island	288	196	147	169	58	24	882	1,517	671	2,067	687	438	833	6,213	7,095
South Carolina	6,469	3,903	5,219	4,625	590	2,163	22,969	2,600	683	4,725	3,722	1,737	809	14,276	37,245
South Dakota	1,574	1,537	932	1,201	138	636	5,918	288	17	472	184	157	195	1,713	7,631
Tennessee	7,350	4,445	5,138	3,294	2,696	1,674	24,597	7,132	1,086	9,214	6,867	2,224	3,404	29,927	54,524
Texas	12,801	13,996	10,475	13,108	2,427	4,099	56,906	26,895	17,324	25,840	20,516	9,486	21,381	121,442	178,348
Utah	2,598	1,380	924	975	234	510	6,621	3,761	100	2,254	2,410	1,043	1,889	11,457	18,078
Vermont	1,040	715	872	1,109	161	445	4,342	314	73	434	352	207	430	1,810	6,152
Virginia	7,976	5,964	5,378	6,031	551	3,294	29,194	10,404	3,221	9,067	7,204	2,346	6,173	38,415	67,609
Washington	3,965	4,081	2,031	3,314	937	1,090	15,418	8,851	4,137	6,770	5,161	2,559	3,532	32,010	47,428
West Virginia	3,189	2,444	2,052	3,263	360	964	12,272	1,257	52	1,257	1,383	428	463	4,840	17,112
Wisconsin	4,620	7,584	4,972	4,080	762	4,400	26,418	3,073	1,764	7,243	4,882	1,161	5,732	23,856	50,273
Wyoming	1,840	1,114	623	508	322	727	5,134	280	9	620	244	339	63	1,555	6,689
Total	215,918	207,567	149,949	182,328	48,561	105,092	909,415	331,200	147,560	364,492	286,359	120,118	200,840	1,450,569	2,359,984
Percent - Area	23.8	22.9	16.5	20.1	5.4	11.6	100.0	22.9	10.2	25.2	19.8	8.3	13.9	100.0	0.0
Percent - Total	9.2	8.8	6.4	7.8	2.1	4.5	38.6	14.1	6.3	15.5	12.2	5.1	8.6	61.5	100.0

¹ Data are based on State highway agency estimates reported for the various functional systems and are subject to revision pending further Federal Highway Administration review.

² FHWA estimates based on Highway Performance Monitoring System and other available traffic

monitoring data.

³ Preliminary estimate pending on results of in-depth State study.

Appendix B

Table VM-2

A2

DISTRIBUTION OF ANNUAL VEHICLE DISTANCE TRAVELED BY VEHICLE TYPE - 1994¹
RURAL INTERSTATE

TABLE VM-4
 SHEET 1 OF 7
 OCTOBER 1995

OFFICE OF HIGHWAY
 INFORMATION MANAGEMENT

STATE	PASSENGER CARS	MOTOR-CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS		SUBTOTALS		ALL MOTOR VEHICLES
						SINGLE TRAILER	MULTIPLE TRAILER	PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
Alabama	62.1	0.7	0.1	9.7	5.6	20.3	1.6	71.8	27.5	100.0
Alaska	62.2	0.2	0.2	29.6	5.8	1.6	0.5	91.7	7.9	100.0
Arizona	53.5	0.4	0.3	18.9	5.4	19.0	2.6	72.3	27.0	100.0
Arkansas	50.1	0.2	0.6	13.2	2.6	31.0	2.3	63.2	36.0	100.0
California	70.3	0.0	0.2	13.0	3.1	11.0	2.5	83.3	16.5	100.0
Colorado ^{4 5 6}	80.6	0.0	0.0	0.0	5.2	12.5	1.7	80.6	19.4	100.0
Connecticut	79.0	0.1	0.2	7.0	3.9	9.5	0.3	85.9	13.7	100.0
Delaware ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
District of Columbia ⁹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida	69.6	0.5	0.7	10.9	3.7	13.6	1.0	80.5	18.3	100.0
Georgia	56.8	0.2	0.4	19.4	3.7	18.0	1.5	76.3	23.1	100.0
Hawaii ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Idaho	47.4	1.6	0.4	29.0	2.3	16.4	2.9	76.4	21.6	100.0
Illinois ⁴	64.6	0.0	0.7	9.4	2.4	21.6	1.3	74.0	25.4	100.0
Indiana ⁸	56.8	1.3	1.1	12.7	3.6	22.6	1.9	69.6	28.1	100.0
Iowa ⁵	67.5	1.2	0.3	0.0	3.6	25.5	1.9	67.5	31.0	100.0
Kansas	60.7	0.2	0.4	18.6	3.0	15.1	2.0	79.3	20.1	100.0
Kentucky	52.9	0.2	0.3	21.7	3.6	20.1	1.2	74.6	24.9	100.0
Louisiana	57.5	0.2	0.4	19.0	5.8	17.2	0.0	76.5	23.0	100.0
Maine ⁸	62.1	0.2	0.2	21.1	5.0	11.2	0.2	83.2	16.4	100.0
Maryland ^{4 5 6}	75.8	0.0	0.0	0.0	6.1	18.2	0.0	75.8	24.2	100.0
Massachusetts	69.0	0.9	1.1	11.8	3.2	13.0	0.9	80.9	17.2	100.0
Michigan	63.3	0.9	1.4	18.5	4.5	9.5	1.9	81.7	16.0	100.0
Minnesota ^{4 5}	86.2	0.0	0.2	0.0	2.7	10.6	0.3	86.2	13.6	100.0
Mississippi	61.6	0.8	0.5	14.5	3.6	18.2	0.8	75.1	22.6	100.0
Missouri ⁴	62.7	0.0	0.7	8.5	3.6	22.1	2.4	71.2	28.1	100.0
Montana	51.8	0.5	0.3	28.9	3.4	13.3	1.8	80.7	18.5	100.0
Nebraska ⁵	50.0	0.1	0.2	19.8	3.7	23.6	2.6	69.8	29.9	100.0
Nevada ^{4 5}	69.7	0.0	0.3	0.0	4.3	21.5	4.2	69.7	30.0	100.0
New Hampshire	73.6	0.6	0.2	18.6	3.2	3.7	0.0	92.2	6.9	100.0
New Jersey	74.3	0.5	0.3	13.5	4.7	6.4	0.3	87.8	11.4	100.0
New Mexico	57.7	1.6	0.6	16.7	3.6	17.5	2.3	74.4	23.4	100.0
New York ⁸	68.5	0.4	0.6	13.6	2.7	13.5	0.7	82.1	16.9	100.0
North Carolina	68.5	0.7	0.5	8.6	3.9	17.1	0.8	77.1	21.7	100.0
North Dakota	63.4	0.7	0.5	17.1	3.9	13.4	1.0	80.5	18.3	100.0
Ohio	62.8	0.4	0.7	10.7	2.7	21.4	1.4	73.5	25.5	100.0
Oklahoma ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	54.8	0.2	0.2	25.1	3.9	12.2	3.6	79.9	19.7	100.0
Pennsylvania ^{4 6}	60.6	0.0	0.0	12.0	4.5	21.6	1.4	72.6	27.4	100.0
Rhode Island	85.5	0.3	0.3	11.7	1.4	0.8	0.0	97.3	2.2	100.0
South Carolina	72.9	0.9	0.9	10.2	3.2	11.5	0.3	83.1	15.1	100.0
South Dakota ⁴	70.5	0.0	0.3	15.2	2.8	10.6	0.6	85.7	14.0	100.0
Tennessee	57.5	1.0	0.9	11.4	3.0	24.7	1.5	68.9	29.2	100.0
Texas ⁴	58.5	0.0	0.3	16.8	4.0	19.2	1.1	75.4	24.4	100.0
Utah ⁴	58.0	0.0	0.2	19.8	3.5	14.3	4.2	77.8	22.0	100.0
Vermont	72.7	0.8	0.6	12.9	3.3	9.3	0.4	85.6	13.0	100.0
Virginia ^{4 8}	68.5	0.0	0.3	13.3	3.2	14.0	0.6	81.9	17.9	100.0
Washington	65.0	0.1	0.2	21.7	3.2	7.6	2.3	86.6	13.0	100.0
West Virginia	63.3	0.1	0.6	11.2	3.0	19.7	2.2	74.4	24.9	100.0
Wisconsin	75.7	0.1	0.6	8.0	1.9	12.8	0.8	83.8	15.5	100.0
Wyoming	43.4	2.9	0.2	25.3	1.7	23.0	3.7	68.7	28.3	100.0

¹ Data are based on State highway agency estimates reported for this functional system.
 Note that the format of this table is different from the previous year.
² Other 2-Axle 4-Tire Vehicles which are not passenger cars, these include vans, pickup trucks, and sport/utility vehicles.

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires.
⁴ Motorcycles included with passenger cars.
⁵ 2-Axle 4-Tire Vehicles included with passenger cars.

⁶ Buses included with 2-Axle 6-Tire or more trucks.
⁷ Data not available.
⁸ Data from a previous year.
⁹ State has no highways within this functional classification.

Appendix C

Table VM-4 (1 of 7)

A3

DISTRIBUTION OF ANNUAL VEHICLE DISTANCE TRAVELED BY VEHICLE TYPE - 1994¹
RURAL OTHER PRINCIPAL ARTERIAL

OFFICE OF HIGHWAY
INFORMATION MANAGEMENT

TABLE VM-4
SHEET 2 OF 7
OCTOBER 1995

STATE	PASSENGER CARS	MOTOR-CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS		SUBTOTALS		ALL MOTOR VEHICLES
						SINGLE TRAILER	MULTIPLE TRAILER	PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
Alabama	66.5	0.6	0.1	20.8	2.8	8.9	0.3	87.3	12.0	100.0
Alaska	65.0	0.1	0.2	27.6	5.2	1.7	0.2	92.6	7.1	100.0
Arizona	58.0	0.8	0.9	27.1	3.6	8.4	1.2	85.1	13.2	100.0
Arkansas	66.0	0.4	0.5	17.5	2.9	12.1	0.5	83.5	15.5	100.0
California	69.8	0.5	0.9	14.5	3.2	8.9	2.3	84.3	14.3	100.0
Colorado ^{4,5,6}	86.4	0.0	0.0	0.0	6.2	7.0	0.4	86.4	13.6	100.0
Connecticut	85.0	0.1	0.3	9.7	3.2	1.6	0.0	94.7	4.8	100.0
Delaware	75.0	0.2	1.1	18.9	3.0	1.8	0.0	93.9	4.8	100.0
District of Columbia ⁹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida	71.3	0.7	0.6	15.0	4.2	7.9	0.3	86.3	12.4	100.0
Georgia	76.3	0.5	0.4	11.9	2.8	7.8	0.4	88.2	11.0	100.0
Hawaii ⁸	81.8	0.5	0.4	10.2	4.7	2.4	0.0	92.0	7.1	100.0
Idaho	50.4	1.5	0.4	37.4	2.7	6.3	1.2	87.8	10.3	100.0
Illinois ⁴	76.3	0.0	0.3	14.9	2.6	5.8	0.1	91.2	8.5	100.0
Indiana ⁸	66.4	0.8	0.7	16.1	3.3	12.2	0.5	82.5	16.0	100.0
Iowa ⁵	82.0	1.5	0.5	0.0	4.6	11.0	0.4	82.0	16.0	100.0
Kansas	69.4	0.2	0.3	19.7	2.8	6.9	0.7	89.1	10.4	100.0
Kentucky	58.0	0.2	0.3	30.6	4.3	6.5	0.1	88.6	10.9	100.0
Louisiana	54.0	0.2	0.5	27.0	8.0	10.2	0.0	81.0	18.2	100.0
Maine ⁸	79.4	0.8	0.4	13.5	2.9	2.9	0.1	92.9	5.9	100.0
Maryland ^{4,5,6}	90.0	0.0	0.0	0.0	7.0	3.0	0.0	90.0	10.0	100.0
Massachusetts	86.1	0.4	0.3	9.7	1.5	2.0	0.1	95.9	3.5	100.0
Michigan	65.6	0.6	1.5	21.3	3.6	5.9	1.6	86.9	11.0	100.0
Minnesota ^{4,5}	88.2	0.0	0.2	0.0	3.6	7.9	0.2	88.2	11.7	100.0
Mississippi	67.0	0.5	0.6	15.7	3.5	12.1	0.6	82.7	16.2	100.0
Missouri ⁴	72.4	0.0	0.6	14.6	3.4	8.2	0.9	87.0	12.4	100.0
Montana	54.0	0.4	0.3	34.6	4.3	5.2	1.2	88.6	10.7	100.0
Nebraska ⁸	54.2	0.1	0.2	32.4	4.1	8.7	0.2	86.6	13.0	100.0
Nevada ^{4,5}	85.9	0.0	0.7	0.0	5.3	6.7	1.4	85.9	13.4	100.0
New Hampshire	71.9	1.2	0.6	17.2	5.3	3.8	0.0	89.1	9.1	100.0
New Jersey	73.7	0.4	0.1	17.4	4.3	4.1	0.0	91.1	8.4	100.0
New Mexico	59.3	0.8	0.9	21.7	5.1	11.8	0.5	81.0	17.4	100.0
New York ⁸	71.7	0.4	0.6	16.1	3.3	7.7	0.2	87.8	11.2	100.0
North Carolina	71.5	0.7	0.4	10.5	4.0	12.4	0.5	82.0	16.9	100.0
North Dakota	63.7	0.9	0.4	22.6	4.6	7.1	0.7	86.3	12.4	100.0
Ohio	63.2	0.5	0.6	12.9	3.4	18.3	1.2	76.0	22.9	100.0
Oklahoma ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	59.1	0.6	0.3	29.1	3.8	5.7	1.4	88.2	10.9	100.0
Pennsylvania ^{4,6}	71.3	0.0	0.0	18.0	5.1	5.3	0.3	89.3	10.7	100.0
Rhode Island	83.6	0.2	0.3	12.9	2.2	0.7	0.0	96.5	2.9	100.0
South Carolina	77.5	3.9	0.3	11.1	2.3	4.7	0.2	88.6	7.2	100.0
South Dakota ⁴	68.2	0.0	0.4	21.7	3.6	5.6	0.5	89.9	9.7	100.0
Tennessee	74.2	0.7	0.6	15.3	2.6	6.5	0.1	89.5	9.2	100.0
Texas ⁴	61.1	0.0	0.3	23.0	4.6	10.6	0.5	84.2	15.6	100.0
Utah ⁴	67.6	0.0	0.2	22.0	3.0	5.4	1.8	89.6	10.2	100.0
Vermont	76.8	0.7	0.5	13.9	3.5	4.6	0.0	90.6	8.2	100.0
Virginia ^{4,8}	69.1	0.0	0.8	15.8	4.2	9.8	0.2	84.9	14.3	100.0
Washington	62.3	0.1	0.2	26.7	4.5	4.7	1.5	89.0	10.8	100.0
West Virginia	80.7	0.1	0.5	14.5	2.2	2.0	0.2	95.2	4.3	100.0
Wisconsin	70.3	0.7	0.6	16.2	3.8	7.9	0.6	86.5	12.2	100.0
Wyoming	53.0	2.8	0.2	34.8	1.7	5.9	1.6	87.9	9.2	100.0

¹ Data are based on State highway agency estimates reported for this functional system.

Note that the format of this table is different from the previous year

² Other 2-Axle 4-Tire Vehicles which are not passenger cars, these include vans, pickup trucks, and sport/utility vehicles

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires

⁴ Motorcycles included with passenger cars

⁵ 2-Axle 4-Tire Vehicles included with passenger cars

⁶ Buses included with 2-Axle 6-Tire or more trucks.

⁷ Data not available

⁸ Data from a previous year

⁹ State has no highways within this functional classification

Appendix C

Table VM-4 (2 of 7)

A4

DISTRIBUTION OF ANNUAL VEHICLE DISTANCE TRAVELED BY VEHICLE TYPE - 1994 ¹
RURAL MINOR ARTERIAL

OFFICE OF HIGHWAY
 INFORMATION MANAGEMENT

TABLE VM-4
 SHEET 3 OF 7
 OCTOBER 1995

Appendix C

STATE	PASSENGER CARS	MOTOR-CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS		SUBTOTALS		ALL MOTOR VEHICLES
						SINGLE TRAILER	MULTIPLE TRAILER	PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
Alabama	76.1	0.5	0.0	15.9	2.2	5.0	0.2	92.1	7.4	100.0
Alaska	78.5	0.0	0.2	17.0	4.0	0.3	0.0	95.5	4.3	100.0
Arizona	53.2	0.9	0.5	36.4	4.3	4.3	0.4	89.6	9.1	100.0
Arkansas	60.3	0.3	0.5	16.8	2.9	18.6	0.6	77.1	22.1	100.0
California	73.6	0.5	0.6	15.2	4.6	4.3	1.4	88.8	10.2	100.0
Colorado ^{4 5 6}	85.9	0.0	0.0	0.0	6.6	7.4	0.1	85.9	14.1	100.0
Connecticut	81.9	1.6	0.6	11.7	2.8	1.3	0.0	93.6	4.1	100.0
Delaware	72.5	0.0	1.2	17.9	7.1	1.2	0.1	90.4	8.4	100.0
District of Columbia ⁹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida	75.3	0.5	0.5	14.9	3.8	4.8	0.2	90.2	8.8	100.0
Georgia	78.2	0.2	0.6	14.1	2.5	4.4	0.1	92.3	7.0	100.0
Hawaii ⁸	83.1	0.5	0.4	10.5	3.4	2.0	0.1	93.6	5.5	100.0
Idaho	56.3	1.9	0.3	35.1	3.0	3.2	0.3	91.4	6.4	100.0
Illinois ⁴	79.7	0.0	0.4	13.6	2.3	3.9	0.2	93.3	6.4	100.0
Indiana ⁸	69.1	0.6	0.7	18.9	3.4	7.1	0.2	87.9	10.8	100.0
Iowa ⁵	84.4	1.5	0.6	0.0	5.3	7.9	0.3	84.4	13.5	100.0
Kansas	55.7	0.2	0.3	29.3	3.6	10.5	0.4	85.0	14.5	100.0
Kentucky	62.2	0.3	0.3	30.1	3.7	3.4	0.0	92.3	7.1	100.0
Louisiana	54.8	0.3	0.6	27.0	8.0	9.3	0.0	81.8	17.3	100.0
Maine ⁵	80.4	0.5	0.3	13.8	2.9	2.0	0.1	94.2	5.0	100.0
Maryland ^{4 5 6}	89.0	0.0	0.0	0.0	8.0	3.0	0.0	89.0	11.0	100.0
Massachusetts	83.7	0.6	0.2	13.6	1.0	0.7	0.1	97.4	1.8	100.0
Michigan	67.1	0.5	1.6	24.0	3.3	2.8	0.8	91.0	6.9	100.0
Minnesota ^{4 5}	91.6	0.0	0.2	0.0	4.0	4.2	0.0	91.6	8.2	100.0
Mississippi	68.5	0.4	0.5	18.4	4.1	7.9	0.2	86.9	12.2	100.0
Missouri ⁴	72.1	0.0	0.6	17.5	3.8	5.7	0.4	89.6	9.8	100.0
Montana	56.0	0.3	0.2	33.9	4.7	4.1	0.8	89.9	9.6	100.0
Nebraska ⁸	51.7	0.1	0.3	35.8	5.0	7.0	0.2	87.5	12.1	100.0
Nevada ^{4 5}	85.7	0.0	0.7	0.0	6.2	5.8	1.7	85.7	13.7	100.0
New Hampshire	71.7	0.9	0.4	19.8	4.8	2.3	0.0	91.5	7.2	100.0
New Jersey	70.2	0.2	0.6	20.6	5.1	3.3	0.0	90.8	8.4	100.0
New Mexico	63.4	0.4	0.5	24.8	4.9	5.9	0.2	88.2	10.9	100.0
New York ⁸	74.6	0.4	0.6	18.2	3.1	3.1	0.0	92.8	6.2	100.0
North Carolina	72.9	0.6	0.4	11.1	4.2	10.3	0.4	84.1	14.9	100.0
North Dakota	56.5	0.9	0.4	28.2	6.0	7.6	0.4	84.7	14.0	100.0
Ohio	72.1	0.4	0.7	16.4	2.8	7.6	0.1	88.5	10.5	100.0
Oklahoma ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	60.5	0.4	0.2	30.5	3.7	3.8	0.9	91.0	8.4	100.0
Pennsylvania ^{4 6}	64.7	0.0	0.0	27.0	5.7	2.5	0.1	91.7	8.4	100.0
Rhode Island	84.1	0.3	0.3	11.9	1.7	1.7	0.1	95.9	3.5	100.0
South Carolina	83.1	0.9	0.3	10.8	2.3	2.6	0.1	93.9	5.0	100.0
South Dakota ⁴	69.8	0.0	0.4	20.1	4.3	5.1	0.3	89.9	9.7	100.0
Tennessee	75.2	0.5	0.5	16.4	2.8	4.6	0.0	91.6	7.4	100.0
Texas ⁴	60.3	0.0	0.3	25.8	5.1	8.4	0.2	86.1	13.6	100.0
Utah ⁴	65.9	0.0	0.2	23.4	3.9	4.8	1.8	89.3	10.5	100.0
Vermont	76.5	0.8	0.5	15.4	3.6	3.2	0.1	91.9	6.8	100.0
Virginia ^{4 8}	70.3	0.0	0.3	22.9	4.2	2.3	0.0	93.2	6.5	100.0
Washington	63.4	0.0	0.2	27.2	4.3	3.8	1.1	90.6	9.1	100.0
West Virginia	69.8	0.1	1.1	18.2	4.0	6.8	0.0	88.0	10.9	100.0
Wisconsin	74.0	0.6	0.5	16.4	3.6	4.8	0.2	90.4	8.6	100.0
Wyoming	53.8	2.1	0.3	37.0	2.3	3.0	1.5	90.8	6.8	100.0

¹ Data are based on State highway agency estimates reported for this functional system. Note that the format of this table is different from the previous year
² Other 2-Axle 4-Tire Vehicles which are not passenger cars, these include vans, pickup trucks, and sport/utility vehicles

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires
⁴ Motorcycles included with passenger cars
⁵ 2-Axle 4-Tire Vehicles included with passenger cars

⁶ Buses included with 2-Axle 6-Tire or more trucks
⁷ Data not available
⁸ Data from a previous year
⁹ State has no highways within this functional classification

Table VM-4 (3 of 7)

AS

DISTRIBUTION OF ANNUAL VEHICLE DISTANCE TRAVELED BY VEHICLE TYPE - 1994 ¹
URBAN INTERSTATE

OFFICE OF HIGHWAY
INFORMATION MANAGEMENT

TABLE VM-4
SHEET 4 OF 7
OCTOBER 1995

STATE	PASSENGER CARS	MOTOR-CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS		SUBTOTALS		ALL MOTOR VEHICLES
						SINGLE TRAILER	MULTIPLE TRAILER	PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
Alabama	66.6	0.7	0.1	11.7	5.1	13.9	2.0	78.3	20.9	100.0
Alaska	78.3	0.0	0.1	17.7	3.0	0.7	0.2	96.0	3.8	100.0
Arizona	54.4	0.3	0.3	25.6	6.0	12.2	1.2	80.1	19.4	100.0
Arkansas	68.6	0.7	0.5	14.2	2.6	12.4	1.1	82.8	16.0	100.0
California	86.1	0.0	0.1	9.2	1.9	2.3	0.4	95.4	4.5	100.0
Colorado ^{4 5 6}	92.7	0.0	0.0	0.0	4.0	2.9	0.4	92.7	7.3	100.0
Connecticut	81.9	0.3	0.6	9.0	2.0	5.8	0.3	90.9	8.2	100.0
Delaware	62.9	0.7	0.9	21.3	3.3	10.0	0.9	84.2	14.2	100.0
District of Columbia ⁸	94.8	0.3	0.6	2.0	2.0	0.3	0.0	96.8	2.3	100.0
Florida	81.6	0.4	0.6	9.9	2.6	4.6	0.3	91.5	7.5	100.0
Georgia	65.4	0.1	0.2	25.1	2.9	6.1	0.3	90.5	9.2	100.0
Hawaii ⁸	79.2	0.5	0.6	17.9	2.1	0.6	0.1	96.1	2.8	100.0
Idaho	59.9	1.4	0.3	29.3	1.6	6.6	1.0	89.2	9.2	100.0
Illinois ⁴	70.5	0.0	0.4	9.2	2.3	17.1	0.6	79.6	20.0	100.0
Indiana ⁸	66.5	1.4	0.8	13.7	3.1	13.4	1.1	80.2	17.6	100.0
Iowa ⁵	80.4	1.2	0.3	0.0	3.0	14.0	1.1	80.4	18.1	100.0
Kansas	66.9	0.1	0.3	24.0	3.1	5.1	0.5	90.9	8.7	100.0
Kentucky	66.0	0.1	0.3	23.3	3.1	6.9	0.3	89.3	10.3	100.0
Louisiana	62.8	0.1	1.0	19.0	6.0	11.1	0.0	81.8	17.1	100.0
Maine ⁸	74.3	0.2	0.2	18.7	3.3	3.3	0.0	93.0	6.6	100.0
Maryland ^{4 5 6}	91.0	0.0	0.0	0.0	4.0	5.0	0.0	91.0	9.0	100.0
Massachusetts	77.2	1.0	0.5	12.0	4.0	5.2	0.2	89.2	9.4	100.0
Michigan	68.2	0.9	1.4	16.6	4.2	7.3	1.3	84.8	12.9	100.0
Minnesota ^{4 5}	92.7	0.0	0.3	0.0	2.5	4.4	0.1	92.7	7.0	100.0
Mississippi	66.2	0.7	0.5	13.8	3.4	14.6	0.8	80.0	18.8	100.0
Missouri ⁴	74.2	0.0	0.4	16.2	3.5	5.1	0.6	90.4	9.2	100.0
Montana	68.6	0.2	0.7	20.0	2.1	6.5	1.9	88.6	10.5	100.0
Nebraska ⁸	68.4	0.1	0.2	22.7	2.8	5.4	0.4	91.1	8.6	100.0
Nevada ^{4 5}	86.0	0.0	0.4	0.0	3.4	8.4	1.7	86.0	13.5	100.0
New Hampshire	68.9	0.2	0.2	24.1	2.9	3.7	0.0	92.9	6.7	100.0
New Jersey	75.9	0.4	0.2	12.6	3.2	7.5	0.2	88.5	10.9	100.0
New Mexico	59.6	1.0	0.5	26.5	4.5	7.2	0.8	86.1	12.5	100.0
New York ⁸	76.6	0.3	0.5	14.4	2.8	5.2	0.2	91.0	8.2	100.0
North Carolina	74.8	0.7	0.4	11.8	4.4	7.6	0.3	86.6	12.3	100.0
North Dakota	71.4	0.9	0.3	16.4	3.0	7.5	0.5	87.8	11.0	100.0
Ohio	72.3	0.2	0.7	12.9	2.6	10.6	0.7	85.2	13.9	100.0
Oklahoma ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	65.5	0.3	0.3	25.4	2.9	4.4	1.2	90.9	8.5	100.0
Pennsylvania ^{4 6}	73.9	0.0	0.0	12.0	4.2	9.4	0.5	85.9	14.1	100.0
Rhode Island	79.0	0.3	0.6	10.4	3.6	5.9	0.2	89.4	9.7	100.0
South Carolina	89.4	0.1	0.1	6.7	1.5	2.0	0.1	96.1	3.6	100.0
South Dakota ⁴	79.4	0.0	0.2	15.5	2.2	2.5	0.2	94.9	4.9	100.0
Tennessee	59.2	0.1	0.2	28.3	3.1	8.4	0.7	87.5	12.2	100.0
Texas ⁴	72.3	0.0	0.2	17.6	2.8	6.7	0.4	89.9	9.9	100.0
Utah ⁴	73.2	0.0	0.1	17.6	3.0	4.8	1.2	90.8	9.1	100.0
Vermont	75.2	0.3	0.5	12.9	3.1	7.8	0.1	88.1	11.1	100.0
Virginia ^{4 8}	77.8	0.0	0.4	12.4	4.2	5.1	0.2	90.2	9.5	100.0
Washington	68.8	0.1	0.2	22.9	3.8	3.3	0.9	91.8	8.0	100.0
West Virginia	67.0	0.2	0.6	8.7	1.8	18.8	3.0	75.7	23.5	100.0
Wisconsin	76.0	0.7	0.5	11.8	1.9	8.8	0.2	87.7	11.0	100.0
Wyoming	52.6	1.6	0.1	25.1	1.9	16.5	2.2	77.7	20.6	100.0

¹ Data are based on State highway agency estimates reported for this functional system. Note that the format of this table is different from the previous year.
² Other 2-Axle 4-Tire Vehicles which are not passenger cars, these include vans, pickup trucks, and sport/utility vehicles

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires
⁴ Motorcycles included with passenger cars
⁵ 2-Axle 4-Tire Vehicles included with passenger cars

⁶ Buses included with 2-Axle 6-Tire or more trucks
⁷ Data not available
⁸ Data from a previous year

Appendix C

Table VM-4 (4 of 7)

DISTRIBUTION OF ANNUAL VEHICLE DISTANCE TRAVELED BY VEHICLE TYPE - 1994¹
URBAN OTHER FREEWAYS AND EXPRESSWAYS

TABLE VM-4
 SHEET 5 OF 7
 OCTOBER 1995

OFFICE OF HIGHWAY
 INFORMATION MANAGEMENT

STATE	PASSENGER CARS	MOTOR-CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS		SUBTOTALS		ALL MOTOR VEHICLES
						SINGLE TRAILER	MULTIPLE TRAILER	PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
Alabama	85.5	0.5	0.0	9.2	1.3	1.5	2.0	94.7	4.8	100.0
Alaska	77.4	0.1	0.3	18.8	3.0	0.5	0.0	96.1	3.5	100.0
Arizona	60.5	0.5	0.3	29.1	5.7	3.6	0.4	89.6	9.6	100.0
Arkansas	68.5	0.2	0.3	19.0	3.3	8.1	0.6	87.5	12.0	100.0
California	83.7	0.1	0.2	9.7	2.8	3.1	0.5	93.4	6.3	100.0
Colorado ^{4,5,6}	94.2	0.0	0.0	0.0	3.8	1.9	0.1	94.2	5.8	100.0
Connecticut	86.3	0.2	0.1	8.3	3.4	1.7	0.1	94.6	5.1	100.0
Delaware	63.8	0.2	0.4	22.8	5.5	6.9	0.4	86.6	12.8	100.0
District of Columbia ⁸	94.9	0.3	0.5	2.0	2.0	0.3	0.0	96.9	2.3	100.0
Florida	87.7	0.4	0.3	8.0	2.3	1.2	0.1	95.7	3.6	100.0
Georgia	71.5	0.2	0.3	23.2	2.5	2.3	0.1	94.7	4.8	100.0
Hawaii ⁸	80.5	0.4	0.8	15.6	2.1	0.6	0.0	96.1	2.7	100.0
Idaho ⁹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Illinois ⁴	77.6	0.0	0.3	10.3	2.0	9.2	0.7	87.9	11.9	100.0
Indiana ⁸	67.2	0.8	0.8	17.6	3.6	9.5	0.5	84.7	13.6	100.0
Iowa ⁹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kansas	69.6	0.2	0.2	22.6	3.5	3.8	0.1	92.2	7.4	100.0
Kentucky	68.4	0.2	0.5	23.7	3.3	3.8	0.1	92.1	7.2	100.0
Louisiana	63.2	0.6	1.0	25.0	6.0	4.2	0.0	88.2	10.2	100.0
Maine ⁸	82.7	0.2	0.3	13.4	2.6	0.8	0.0	96.1	3.4	100.0
Maryland ^{4,5,6}	95.0	0.0	0.0	0.0	4.0	1.0	0.0	95.0	5.0	100.0
Massachusetts	87.8	0.7	0.4	8.3	1.4	1.4	0.2	96.0	2.9	100.0
Michigan	68.6	0.7	1.3	20.5	3.2	4.6	1.0	89.1	8.9	100.0
Minnesota ^{4,5}	94.5	0.0	0.2	0.0	2.0	3.2	0.1	94.5	5.3	100.0
Mississippi	67.5	0.2	0.5	12.6	5.1	13.2	0.9	80.1	19.2	100.0
Missouri ⁴	79.5	0.0	0.4	14.2	2.6	3.0	0.3	93.7	5.9	100.0
Montana ⁹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nebraska ⁸	68.9	0.2	0.2	24.8	2.4	3.3	0.2	93.7	5.9	100.0
Nevada ^{4,5}	91.8	0.0	0.6	0.0	3.5	3.5	0.6	91.8	7.7	100.0
New Hampshire	60.5	0.7	0.6	29.9	5.2	3.1	0.0	90.4	8.3	100.0
New Jersey	81.1	0.1	0.3	9.4	2.7	6.4	0.1	90.5	9.2	100.0
New Mexico	60.0	0.9	0.4	28.2	4.5	5.4	0.5	88.3	10.4	100.0
New York ⁸	75.5	0.3	0.6	15.9	2.8	4.8	0.1	91.4	7.7	100.0
North Carolina	75.3	0.7	0.4	11.7	4.3	7.3	0.3	87.0	11.9	100.0
North Dakota ⁹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ohio	76.6	0.3	0.3	12.9	2.5	7.0	0.4	89.5	9.8	100.0
Oklahoma ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	71.2	0.3	0.4	23.4	2.6	1.7	0.4	94.6	4.7	100.0
Pennsylvania ^{4,6}	73.6	0.0	0.0	17.0	5.0	4.2	0.2	90.6	9.4	100.0
Rhode Island	82.2	0.4	0.6	8.7	2.6	5.4	0.1	90.9	8.1	100.0
South Carolina	81.8	0.1	0.3	10.8	2.7	4.0	0.3	92.6	7.0	100.0
South Dakota ⁴	74.7	0.0	0.2	18.9	4.1	1.9	0.2	93.6	6.2	100.0
Tennessee	80.4	0.3	0.3	15.7	1.7	1.5	0.1	96.1	3.3	100.0
Texas ⁴	74.4	0.0	0.2	19.2	2.7	3.5	0.1	93.6	6.2	100.0
Utah ⁴	70.2	0.0	0.1	18.9	4.8	4.4	1.5	89.1	10.8	100.0
Vermont	81.5	0.6	0.2	11.3	3.3	3.0	0.0	92.8	6.4	100.0
Virginia ^{4,8}	85.3	0.0	0.2	10.3	2.5	1.7	0.0	95.6	4.2	100.0
Washington	64.8	0.1	0.1	27.8	3.5	2.9	0.8	92.6	7.3	100.0
West Virginia	80.8	0.1	0.3	11.6	2.3	4.8	0.1	92.4	7.2	100.0
Wisconsin	80.3	0.6	0.4	12.5	2.1	4.0	0.1	92.8	6.2	100.0
Wyoming	57.2	1.0	0.1	33.9	1.6	3.9	2.4	91.2	7.8	100.0

¹ Data are based on State highway agency estimates reported for this functional system. Note that the format of this table is different from the previous year.
² Other 2-Axle 4-Tire Vehicles which are not passenger cars, these include vans, pickup trucks, and sport/utility vehicles

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires
⁴ Motorcycles included with passenger cars
⁵ 2-Axle 4-Tire Vehicles included with passenger cars

⁶ Buses included with 2-Axle 6-Tire or more trucks
⁷ Data not available
⁸ Data from a previous year
⁹ State has no highways within this functional classification

Appendix C

Table VM-4 (5 of 7)

DISTRIBUTION OF ANNUAL VEHICLE DISTANCE TRAVELED BY VEHICLE TYPE - 1994 ¹
URBAN OTHER PRINCIPAL ARTERIAL

OFFICE OF HIGHWAY
INFORMATION MANAGEMENT

TABLE VM-4
SHEET 6 OF 7
OCTOBER 1995

STATE	PASSENGER CARS	MOTOR-CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS		SUBTOTALS		ALL MOTOR VEHICLES
						SINGLE TRAILER	MULTIPLE TRAILER	PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
Alabama	80.2	0.5	0.0	13.6	2.1	3.3	0.4	93.7	5.8	100.0
Alaska	78.8	0.1	0.3	18.2	2.2	0.3	0.0	97.1	2.6	100.0
Arizona	56.1	0.4	0.6	32.7	4.9	4.7	0.6	88.8	10.3	100.0
Arkansas	75.9	0.2	0.2	17.9	2.4	3.2	0.1	93.8	5.7	100.0
California	74.9	0.9	0.6	12.6	5.0	4.2	1.9	87.4	11.1	100.0
Colorado ^{4,5,6}	94.5	0.0	0.0	0.0	3.8	1.7	0.1	94.5	5.5	100.0
Connecticut	86.4	0.2	0.5	9.6	2.4	0.9	0.0	96.0	3.2	100.0
Delaware	82.9	1.0	0.6	11.6	2.0	1.8	0.1	94.5	3.9	100.0
District of Columbia ⁸	92.5	0.4	1.2	2.0	3.6	0.3	0.0	94.5	3.9	100.0
Florida	84.3	0.7	0.5	10.6	2.2	1.6	0.1	95.0	3.9	100.0
Georgia	70.6	0.2	0.3	24.0	2.8	2.1	0.1	94.5	5.0	100.0
Hawaii ⁸	76.4	1.1	0.9	16.7	3.4	1.5	0.0	93.1	5.0	100.0
Idaho	52.2	0.9	0.2	40.6	2.4	3.1	0.5	92.8	6.1	100.0
Illinois ⁴	83.0	0.0	0.4	11.3	2.2	3.1	0.0	94.3	5.3	100.0
Indiana ⁶	73.9	0.6	0.8	17.4	2.5	4.6	0.3	91.2	7.4	100.0
Iowa ⁵	90.5	1.5	0.3	0.0	3.4	4.2	0.1	90.5	7.7	100.0
Kansas	68.8	0.3	0.2	27.6	1.9	1.2	0.0	96.4	3.1	100.0
Kentucky	67.9	0.2	0.5	27.0	2.6	1.8	0.0	94.9	4.4	100.0
Louisiana	60.5	0.4	1.0	26.0	7.0	5.2	0.0	86.5	12.2	100.0
Maine ⁸	79.6	0.6	0.4	14.1	2.9	2.3	0.1	93.7	5.3	100.0
Maryland ^{4,5,6}	93.0	0.0	0.0	0.0	6.0	1.0	0.0	93.0	7.0	100.0
Massachusetts	84.3	0.4	0.3	11.4	2.1	1.4	0.1	95.7	3.6	100.0
Michigan	70.0	0.5	1.4	20.5	3.2	3.6	0.8	90.4	7.6	100.0
Minnesota ^{4,5}	95.4	0.0	0.3	0.0	2.5	1.7	0.1	95.4	4.3	100.0
Mississippi	76.3	0.4	0.5	16.1	3.2	3.3	0.2	92.4	6.7	100.0
Missouri ⁴	78.7	0.0	0.4	15.9	2.9	2.1	0.2	94.6	5.1	100.0
Montana	68.2	0.1	0.2	26.3	2.8	2.1	0.3	94.5	5.2	100.0
Nebraska ⁶	69.5	0.2	0.2	26.9	1.9	1.3	0.1	96.4	3.3	100.0
Nevada ^{4,5}	96.7	0.0	0.3	0.0	2.0	0.9	0.1	96.7	3.0	100.0
New Hampshire	65.4	1.3	0.8	22.5	6.1	3.8	0.0	87.9	9.9	100.0
New Jersey	76.9	0.2	0.2	15.5	3.4	3.7	0.0	92.4	7.2	100.0
New Mexico	73.7	0.3	0.5	19.2	3.8	2.2	0.3	92.9	6.3	100.0
New York ⁶	78.7	0.4	0.7	15.2	2.4	2.6	0.0	93.9	5.0	100.0
North Carolina	76.1	0.7	0.4	11.5	4.6	6.5	0.2	87.6	11.3	100.0
North Dakota	72.1	1.0	0.3	21.2	3.0	2.2	0.2	93.3	5.4	100.0
Ohio	85.2	0.2	0.5	8.0	1.6	4.3	0.2	93.2	6.0	100.0
Oklahoma ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	66.7	0.4	0.5	28.1	2.5	1.5	0.3	94.8	4.3	100.0
Pennsylvania ^{4,6}	75.4	0.0	0.0	18.0	4.3	2.1	0.1	93.4	6.6	100.0
Rhode Island	87.1	0.4	0.4	8.7	2.2	1.0	0.1	95.8	3.4	100.0
South Carolina	83.4	2.6	0.3	9.8	2.2	1.6	0.2	93.2	3.9	100.0
South Dakota ⁴	74.7	0.0	0.2	18.9	4.1	1.9	0.2	93.6	6.2	100.0
Tennessee	77.3	0.3	0.4	18.1	2.4	1.5	0.0	95.4	3.9	100.0
Texas ⁴	71.6	0.0	0.3	19.3	3.4	5.3	0.2	90.9	8.8	100.0
Utah ⁴	76.0	0.0	0.2	17.7	2.6	2.9	0.7	93.7	6.1	100.0
Vermont	80.5	0.7	0.4	11.8	3.4	2.8	0.4	92.3	6.7	100.0
Virginia ^{4,8}	79.4	0.0	0.4	15.8	2.9	1.6	0.0	95.1	4.5	100.0
Washington	64.8	0.1	0.1	27.8	3.5	2.9	0.8	92.6	7.3	100.0
West Virginia	84.7	0.0	0.6	11.2	2.1	1.4	0.1	95.9	3.5	100.0
Wisconsin	82.6	0.7	0.2	11.3	3.4	1.6	0.1	94.0	5.1	100.0
Wyoming	60.4	1.7	0.1	33.7	1.2	2.2	0.8	94.0	4.1	100.0

¹ Data are based on State highway agency estimates reported for this functional system. Note that the format of this table is different from the previous year

² Other 2-Axle 4-Tire Vehicles which are not passenger cars, these include vans, pickup trucks, and sport/utility vehicles

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires

⁴ Motorcycles included with passenger cars

⁵ 2-Axle 4-Tire Vehicles included with passenger cars

⁶ Buses included with 2-Axle 6-Tire or more trucks

⁷ Data not available

⁸ Data from a previous year

Appendix C

Table VM-4 (6 of 7)

A8

DISTRIBUTION OF ANNUAL VEHICLE DISTANCE TRAVELED BY VEHICLE TYPE - 1994¹
URBAN MINOR ARTERIAL

TABLE VM-4
SHEET 7 OF 7
OCTOBER 1995

STATE	PASSENGER CARS	MOTOR-CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS		PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	ALL MOTOR VEHICLES
						SINGLE TRAILER	MULTIPLE TRAILER			
Alabama	81.0	0.4	0.0	12.7	2.6	3.1	0.3	93.7	6.0	100.0
Alaska	75.5	0.3	0.5	21.7	1.5	0.5	0.5	97.2	2.0	100.0
Arizona	58.6	0.4	0.3	32.6	3.8	3.8	0.2	91.2	8.1	100.0
Arkansas	74.4	0.4	0.3	17.8	3.4	3.4	0.5	92.2	7.0	100.0
California ^{4,5,6}	83.3	0.5	0.6	10.2	2.4	3.5	0.5	92.5	6.4	100.0
Colorado	92.0	0.0	0.0	0.0	6.2	1.8	0.0	92.0	8.0	100.0
Connecticut	87.3	0.4	0.4	9.7	1.8	0.4	0.0	97.0	2.2	100.0
Delaware	79.9	0.7	0.9	11.0	5.3	1.3	0.7	90.9	7.9	100.0
District of Columbia ⁸	92.0	0.4	1.4	2.5	3.4	0.3	0.0	94.5	3.7	100.0
Florida	84.9	0.6	0.4	10.6	2.3	1.1	0.1	95.4	3.6	100.0
Georgia	74.8	0.3	0.3	22.2	1.9	0.4	0.0	97.1	2.3	100.0
Hawaii ⁸	87.5	0.4	0.8	7.8	2.9	0.5	0.0	95.3	3.5	100.0
Idaho	61.5	1.0	0.4	32.9	2.4	1.7	0.1	94.4	4.2	100.0
Illinois ⁴	84.1	0.0	0.3	11.9	2.1	1.5	0.1	96.0	3.6	100.0
Indiana ⁸	74.8	0.4	0.6	19.4	2.6	2.1	0.1	94.2	4.8	100.0
Iowa ⁵	96.5	1.0	0.4	0.0	1.7	0.4	0.0	96.5	2.1	100.0
Kansas	71.0	0.2	0.2	25.9	1.6	1.1	0.0	96.9	2.7	100.0
Kentucky	70.1	0.2	0.6	25.8	2.4	0.9	0.0	95.9	3.3	100.0
Louisiana	61.5	0.4	1.0	27.0	6.0	4.1	0.0	88.5	10.1	100.0
Maine ⁹	84.3	0.6	0.3	11.8	2.4	0.6	0.0	96.1	3.0	100.0
Maryland	83.3	0.9	0.5	10.7	2.9	1.9	0.0	94.0	4.7	100.0
Massachusetts	86.8	0.5	0.3	10.2	1.6	0.5	0.0	97.0	2.1	100.0
Michigan	72.0	0.5	1.4	20.9	2.6	2.2	0.4	92.9	5.3	100.0
Minnesota ^{4,5}	96.6	0.0	0.1	0.0	2.2	1.1	0.0	96.6	3.3	100.0
Mississippi	76.1	0.4	0.3	17.4	2.9	2.7	0.2	93.5	5.8	100.0
Missouri ⁴	85.2	0.0	0.4	8.3	3.2	2.8	0.2	93.5	6.2	100.0
Montana	70.4	0.3	0.5	26.8	1.2	0.9	0.2	97.2	2.3	100.0
Nebraska ⁸	72.7	0.5	0.5	24.2	1.6	0.6	0.0	97.0	2.3	100.0
Nevada ^{4,5}	93.4	0.0	2.0	0.0	3.2	1.1	0.3	93.4	4.6	100.0
New Hampshire	72.7	0.9	0.4	20.8	3.7	1.5	0.0	93.4	5.2	100.0
New Jersey	76.3	0.3	0.7	17.3	3.6	1.8	0.0	93.5	5.5	100.0
New Mexico	76.8	0.2	1.3	16.8	3.0	1.2	0.0	93.0	4.9	100.0
New York ⁸	79.2	0.3	0.6	13.3	2.3	2.3	0.0	94.5	4.0	100.0
North Carolina	76.8	0.7	0.4	11.4	4.6	5.9	0.2	88.2	10.7	100.0
North Dakota	76.5	1.3	0.2	18.6	2.5	0.9	0.0	95.1	3.4	100.0
Ohio	85.5	0.5	0.3	11.4	1.7	0.5	0.1	96.9	2.3	100.0
Oklahoma ⁷	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oregon	73.3	0.0	0.7	23.2	1.7	0.4	0.2	96.5	2.3	100.0
Pennsylvania ^{4,6}	74.0	0.0	0.0	20.5	4.4	1.1	0.1	94.5	5.5	100.0
Rhode Island	81.6	0.4	0.6	14.3	1.9	1.4	0.1	95.9	3.1	100.0
South Carolina	86.4	0.6	0.2	9.6	1.6	1.4	0.1	96.0	3.2	100.0
South Dakota ⁴	83.0	0.0	0.1	12.5	0.0	0.5	0.1	95.5	4.4	100.0
Tennessee	74.9	0.3	0.4	20.9	2.4	1.0	0.1	95.8	3.5	100.0
Texas ⁴	72.5	0.0	0.2	21.4	3.5	2.3	0.0	93.9	5.9	100.0
Utah ⁴	82.0	0.0	0.2	12.0	3.8	1.4	0.6	94.0	5.8	100.0
Vermont ⁴	77.9	1.4	0.5	14.5	3.4	2.0	0.2	92.4	5.7	100.0
Virginia ^{4,6}	74.6	0.1	0.4	20.4	2.9	1.5	0.0	95.0	4.4	100.0
Washington	64.9	0.0	0.2	27.8	4.2	2.5	0.4	92.7	7.1	100.0
West Virginia	82.1	0.0	0.6	12.2	2.2	2.7	0.0	94.4	5.0	100.0
Wisconsin	77.9	0.8	0.2	16.0	2.2	2.8	0.1	93.8	5.1	100.0
Wyoming	67.8	1.5	0.3	28.5	0.7	1.0	0.3	96.3	2.0	100.0

¹ Data are based on State highway agency estimates reported for this functional system.
² Other 2-Axle 4-Tire Vehicles which are not passenger cars, these include vans, pickup trucks, and sport/utility vehicles
³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires
⁴ Motorcycles included with passenger cars
⁵ 2-Axle 4-Tire Vehicles included with passenger cars
⁶ Buses included with 2-Axle 6-Tire or more trucks
⁷ Data not available
⁸ Data from a previous year

TRAILER AND SEMITRAILER REGISTRATIONS - 1994¹

COMPILED FOR THE CALENDAR YEAR FROM REPORTS OF STATE AUTHORITIES AND OTHER SOURCES

TABLE MV-11
SEPTEMBER 1995

STATE	PRIVATE AND COMMERCIAL				PUBLICLY OWNED			GRAND TOTAL
	COMMERCIAL TRAILERS ²	LIGHT FARM TRAILERS, CAR TRAILERS, ETC. ³	HOUSE TRAILERS ⁴	TOTAL	BY FEDERAL GOVERNMENT	BY STATE, COUNTY AND MUNICIPAL GOVERNMENT	TOTAL	
Alabama	56,393	48,168	24,409	128,970	14	1,007	1,021	129,991
Alaska	16,754	69,096	-	85,850	125	1,073	1,198	87,048
Arizona	48,917	170,230	77,318	296,464	91	3,645	3,736	300,200
Arkansas	34,429	378,529	12,653	425,611	5	266	271	425,883
California	683,252	1,485,140	541,527	2,709,919	350	42,336	42,686	2,752,605
Colorado	57,175	146,831	61,824	265,830	76	2,067	2,143	267,973
Connecticut	28,455	138,790	-	167,245	12	2,592	2,604	169,848
Delaware	12,527	28,796	-	41,323	6	602	608	41,931
Dist. of Col.	95	1,015	-	1,110	143	323	466	1,576
Florida	116,332	947,866	-	1,064,198	172	27,040	27,212	1,091,410
Georgia	110,972	369,869	26,105	506,946	121	3,398	3,519	510,465
Hawaii	3,984	16,727	-	20,711	4	772	776	21,487
Idaho	18,115	50,600	46,438	115,153	56	2,751	2,807	117,960
Illinois	78,834	355,005	83,626	517,465	219	687	906	518,371
Indiana	89,883	261,747	70,167	421,797	37	2,009	2,046	423,843
Iowa	75,579	222,967	62,229	360,775	19	3,828	3,847	364,622
Kansas	80,277	23,188	18,241	121,706	22	837	859	122,565
Kentucky	39,658	27,424	31,025	98,107	57	107	164	98,271
Louisiana	206,264	298,675	11,410	516,349	24	2,413	2,437	518,786
Maine	533,693	101,587	-	635,280	7	2,185	2,192	637,472
Maryland	14,313	203,227	-	217,540	97	382	479	218,019
Massachusetts	23,518	152,277	-	175,795	69	160	229	176,024
Michigan	87,159	715,906	110,897	913,962	80	4,259	4,339	918,301
Minnesota	177,779	532,437	91,780	801,995	77	3,709	3,786	805,781
Mississippi	28,061	65,868	9,709	103,638	30	1,479	1,509	105,147
Missouri	82,155	310,025	-	392,180	117	361	478	392,658
Montana	17,353	107,108	48,115	172,576	50	2,963	3,013	175,589
Nebraska	69,289	165,050	-	234,339	12	895	907	235,246
Nevada	9,634	75,906	32,560	118,100	44	1,126	1,170	119,270
New Hampshire	8,718	86,372	-	95,090	3	1,069	1,072	96,162
New Jersey	40,059	277,682	-	317,741	151	100	251	317,992
New Mexico	16,935	30,211	58,817	105,963	131	2,857	2,988	108,951
New York	19,721	512,189	-	531,910	334	5,744	6,078	537,988
North Carolina	81,229	448,375	1,878	531,482	42	8,502	8,544	540,026
North Dakota	18,538	23,428	14,970	56,936	8	715	723	57,659
Ohio	132,811	410,778	100,290	643,879	117	6,340	6,457	650,336
Oklahoma	81,517	62,379	8,251	152,147	33	1,758	1,791	153,938
Oregon	46,401	104,134	131,419	281,954	93	8,385	8,478	290,432
Pennsylvania	123,690	363,542	186,254	673,486	192	3,802	3,994	677,480
Rhode Island	6,350	35,789	-	42,139	7	830	837	42,976
South Carolina	34,289	28,810	122	63,221	31	1,040	1,071	64,292
South Dakota	25,348	77,925	23,266	126,540	29	1,234	1,263	127,803
Tennessee	29,279	32,516	106	61,901	67	309	376	62,277
Texas	206,931	1,202,425	-	1,409,356	170	34,661	34,831	1,444,187
Utah	22,807	49,977	42,217	115,000	71	407	478	115,478
Vermont	2,989	58,159	-	61,148	2	864	866	62,014
Virginia	74,477	152,573	65,236	292,286	57	2,466	2,523	294,809
Washington	139,976	338,749	85,685	564,410	149	1,894	2,043	566,453
West Virginia	35,878	48,048	24,054	107,980	8	4,162	4,170	112,150
Wisconsin	164,369	11,639	36,948	212,956	26	1,545	1,571	214,527
Wyoming	7,835	88,077	20,761	116,673	83	914	997	117,670
Total	4,120,994	11,913,832	2,160,307	18,195,133	3,940	204,869	208,809	18,403,943

¹ The completeness of data on trailer registrations varies greatly. Data are reported to the extent available and in some cases are supplemented by estimates of the Federal Highway Administration.

² This column includes all commercial type vehicles and semitrailers that are in private or for-hire use.

³ Several States do not require the registration of light farm or automobile trailers.

⁴ Mobile homes and house trailers are shown in this column for States which require them to be registered and are able to segregate them from other trailers. In States where this classification is not available, house trailers are included with light car trailers.

Appendix G

Table MF-21

COMPILED FROM REPORTS OF STATE AUTHORITIES AND OTHER SOURCES

REVISION 3/15/95

TABLE MF-21

SUMMARY OF TOTAL USE

STATE	HIGHWAY USE		NON-HIGHWAY USE		TOTAL
	PRIVATE AND COMMERCIAL	FEDERAL	PRIVATE AND COMMERCIAL	FEDERAL	
Alabama	2,188,833	2,888	2,934,833	55,964	5,979,514
Alaska	262,886	6,666	14,030	30,422	307,404
Arizona	1,666,468	28,016	34,744	2,363,421	4,032,649
Arkansas	1,501,187	1,628	38,888	1,758,296	3,261,111
California	12,726,401	22,286	2,088,629	2,088,629	14,837,315
Colorado	1,612,222	2,269	1,917,565	1,917,565	3,529,787
Connecticut	1,964,656	2,660	71,021	2,328,438	4,293,094
Delaware	1,618,826	3,668	1,901,671	2,188,939	3,710,805
District of Columbia	161,826	3,668	1,901,671	2,188,939	3,710,805
Florida	6,272,643	7,292	6,938,393	7,308,884	13,841,527
Georgia	3,727,653	6,700	4,978,160	7,706,813	11,434,466
Hawaii	82,196	1,001	418,808	418,808	480,999
Idaho	516,627	2,289	1,603,614	1,603,614	2,120,241
Illinois	4,661,794	6,208	4,661,794	4,661,794	9,323,588
Indiana	2,704,611	2,678	3,690,226	3,997,706	6,702,317
Iowa	1,968,016	1,714	1,768,966	3,997,706	5,965,722
Kansas	1,647,722	1,712	2,000,386	1,493,026	3,540,808
Kentucky	1,848,656	2,908	2,328,438	2,498,185	4,346,844
Louisiana	1,872,724	2,797	2,498,185	2,498,185	4,370,909
Maine	82,196	1,001	418,808	418,808	480,999
Maryland	928,196	1,001	1,603,614	1,603,614	2,531,811
Massachusetts	1,321,056	2,868	1,728,126	1,728,126	3,049,184
Michigan	4,316,432	4,292	5,116,010	5,116,010	9,432,442
Minnesota	2,361,720	3,642	2,667,396	2,667,396	5,029,116
Mississippi	2,868	2,868	19,287	19,287	22,155
Missouri	2,728,282	3,431	3,421,711	3,421,711	6,150,000
Montana	432,604	2,498	1,541,703	1,541,703	1,974,307
Nebraska	708,520	3,290	1,019,965	1,019,965	1,728,485
Nevada	708,520	3,290	1,019,965	1,019,965	1,728,485
New Hampshire	528,078	730	892,977	892,977	1,421,055
New Jersey	3,942,468	4,876	3,942,468	3,942,468	7,884,936
New Mexico	6,266,529	3,868	1,088,857	1,088,857	7,355,386
New York	8,272,556	12,651	6,266,529	6,266,529	14,539,085
North Carolina	3,424,468	3,292	3,424,468	3,424,468	6,848,936
North Dakota	316,958	1,611	454,616	454,616	771,574
Ohio	4,448,626	6,288	1,113,338	4,898,312	9,346,938
Oklahoma	3,424,468	3,292	3,424,468	3,424,468	6,848,936
Oregon	2,728,126	2,897	1,728,126	1,728,126	4,456,252
Pennsylvania	4,631,990	7,292	5,968,465	5,968,465	10,600,455
Rhode Island	354,616	573	405,104	405,104	759,720
South Carolina	1,664,660	2,784	2,182,356	2,182,356	3,847,016
South Dakota	384,371	1,628	384,371	384,371	768,742
Tennessee	828,574	6,676	2,182,356	2,182,356	2,990,930
Texas	11,964,660	13,676	11,964,660	11,964,660	23,929,320
Utah	828,574	6,676	1,088,857	1,088,857	1,917,431
Vermont	293,630	350	3,829,056	3,829,056	4,122,686
Virginia	3,942,468	5,165	4,631,990	4,631,990	8,574,458
Washington	2,667,011	0	2,667,011	2,667,011	5,334,022
West Virginia	2,162,282	2,498	2,748,797	2,748,797	4,911,079
Wyoming	300,394	1,389	606,696	606,696	907,090
Total	113,020,827	198,118	1,788,667	1,996,786	115,019,632
Percentage of Total Use	79.0	0.1	1.3	1.4	87.2
79.0	0.1	1.3	1.4	87.2	87.2
198,118	1,788,667	1,996,786	115,019,632	2,846,964	118,866,596
2,846,964	94,666	2,941,630	117,948,132	863,364	118,811,496
2,941,630	0.1	2.1	82.5	0.7	82.9
117,948,132	117,948,132	118,811,496	26,098,620	140,106,132	2,941,630
118,811,496	118,811,496	26,098,620	140,106,132	2,941,630	143,046,652

1 This table is one of a series giving an analysis of motor-fuel consumption, based on figures from state motor-fuel tax agencies. Gasoline is included with gasoline. In order to make the data uniform and complete, public use and non-highway use were attributed by the Federal Highway Administration. These estimates may not be comparable to data for prior years due to the changing definition of motor-fuel consumption. The leading sources of data for this table are some state data for prior years due to changes in data analysis and/or improvements in reporting procedures. All data are subject to review and revision.

2 Some States make a flat percentage allowance for losses in storage and handling, and others allow for actual losses not exceeding the flat volume from taxation. Losses by distributor, when reported separately, are also included in this column. The primary allowance used in this table is the "gross" allowance. Because of accounting procedures, losses can be reported as a net gain.

MOTOR-FUEL USE - 1994

(THOUSANDS OF GALLONS)

**ANNUAL VEHICLE DISTANCE TRAVELED IN KILOMETERS AND RELATED DATA - 1994¹
BY HIGHWAY CATEGORY AND VEHICLE TYPE**

OFFICE OF HIGHWAY
INFORMATION MANAGEMENT

TABLE VM-1M
OCTOBER 1995

YEAR	ITEM	PASSENGER CARS	MOTOR- CYCLES	BUSES	OTHER 2-AXLE 4-TIRE VEHICLES ²	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE TRUCKS ³	COMBINATION TRUCKS	SUBTOTALS		ALL MOTOR VEHICLES
								PASSENGER CARS AND OTHER 2-AXLE 4-TIRE VEHICLES	SINGLE-UNIT 2-AXLE 6-TIRE OR MORE AND COMBINATION TRUCKS	
1994	Motor-Vehicle Travel: (millions of vehicle-kilometers)									
1994	Interstate Rural	204,247	2,062	1,101	75,543	10,438	54,095	279,791	64,533	347,486
1993		197,021	1,968	924	72,871	9,627	52,828	269,892	62,455	335,239
1994	Other Arterial Rural	359,897	2,733	1,858	154,242	19,360	37,037	514,139	56,397	575,127
1993		351,305	2,499	1,725	150,559	18,305	38,180	501,865	56,485	562,574
1994	Other Rural	320,956	2,296	3,051	172,822	22,429	19,143	493,779	41,572	540,698
1993		314,984	2,459	3,005	169,607	20,133	19,217	484,591	39,350	529,405
1994	All Rural	885,100	7,091	6,010	402,608	52,228	110,274	1,287,708	162,502	1,463,311
1993		863,310	6,927	5,654	393,037	48,065	110,226	1,256,348	158,290	1,427,218
1994	Interstate Urban	376,789	2,290	1,011	112,547	11,264	29,118	489,336	40,382	533,019
1993		362,493	2,681	827	108,277	10,482	26,044	470,770	36,526	510,804
1994	Other Urban	1,289,610	7,114	3,304	429,870	35,229	36,111	1,719,480	71,340	1,801,238
1993		1,264,441	6,334	3,378	421,480	32,834	29,691	1,685,921	62,525	1,758,158
1994	All Urban ⁴	1,666,399	9,404	4,314	542,417	46,493	65,229	2,208,816	111,722	2,334,257
1993		1,626,934	9,016	4,205	529,757	43,315	55,735	2,156,691	99,050	2,268,963
1994	Total Rural and Urban	2,551,499	16,495	10,324	945,025	98,721	175,503	3,496,524	274,224	3,797,568
1993		2,490,244	15,942	9,859	922,794	91,380	165,960	3,413,038	257,341	3,696,180
1994	Number of motor vehicles registered ⁵	133,929,661	3,718,127	670,423	57,141,967	4,678,197	1,625,117	191,071,628	8,396,324	201,763,491
1993		131,581,427	3,977,856	654,432	55,710,076	4,526,004	1,591,542	187,291,503	8,503,860	198,041,338
1994	Average kilometers traveled per vehicle	19,051	4,436	15,400	16,538	21,102	107,994	18,300	32,660	18,822
1993		18,925	4,008	15,065	16,564	20,190	104,276	18,223	30,262	18,664
1994	Person-kilometers of travel ⁶	4,439,609	18,145	218,876	1,426,988	98,721	175,503	5,903,249	274,224	6,414,493
1993	(millions)	4,333,025	17,536	209,007	1,393,420	91,380	165,960	5,754,471	257,341	6,071,072
1994	Fuel consumed ⁷	279,459,272	776,085	3,691,064	142,142,754	34,052,055	70,333,209	421,602,027	104,385,264	530,454,439
1993	(thousand liters)	278,427,923	749,966	3,584,147	138,075,520	31,332,284	67,072,684	416,503,443	98,404,967	519,242,523
1994	Average fuel consumption per vehicle (liters) ⁷	2,087	209	5,506	2,488	7,279	43,279	2,207	12,432	2,629
1993		2,116	189	5,477	2,478	6,923	42,143	2,224	11,572	2,622
1994	Average kilometers traveled per liter of fuel consumed ⁷	9.13	21.26	2.80	6.65	2.90	2.50	8.29	2.63	7.16
1993		8.94	21.26	2.75	6.68	2.92	2.47	8.19	2.62	7.12

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¹ The 50 states and the District of Columbia report travel by highway category, number of motor vehicles registered, and total fuel consumed. The travel and fuel data by vehicle type and stratification of trucks, as well as related data, are calculated by the Federal Highway Administration (FHWA). Note that the format of this table is different from previous years. Entries for 1993 have been revised based on the availability of more current data and to reflect the new format. Estimation procedures have been adjusted due to the availability of the 1992 Census of Transportation Truck Inventory and Use Survey (TIUS).

² Other 2-Axle 4-Tire Vehicles which are not passenger cars. These include vans, pickup trucks, and sport/utility vehicles. Note that in previous years, some minivans and sport/utility vehicles were included in the passenger car category.

³ Single-Unit 2-Axle 6-Tire or More Trucks on a single frame with at least two axles and six tires.

⁴ Urban consists of travel on all roads and streets in urban places with 5,000 or greater population.

⁵ Stratification of the truck figures is made by the FHWA based on the 1992 TIUS. The combinations represent approximately the number of tractor-trailers with semi-trailer(s) and a majority of heavy single-unit trucks used regularly in combination with trailer(s). Truck vehicle figures should be regarded as preliminary and may be revised pending further analysis of the TIUS data.

⁶ As estimated by the FHWA using the Nationwide Personal Transportation Study, TIUS, and National Transportation Statistics Annual Report. 1993 data have been revised.

⁷ Total fuel consumption figures are derived from state fuel tax records and reflect impacts of improved tax compliance and some one-time changes in Federal and state fuel tax laws. Distribution by vehicle type is estimated by the FHWA based on kilometers per liter for both diesel and gasoline powered vehicles as derived from the 1992 TIUS and other sources.

Appendix H

Table VM-1M (Metric)

ANNUAL VEHICLE-KILOMETERS OF TRAVEL - 1994¹

BY FUNCTIONAL SYSTEM

OFFICE OF HIGHWAY
INFORMATION MANAGEMENT

(MILLIONS)

TABLE VM-2M
OCTOBER 1995

STATE	RURAL							URBAN							TOTAL
	INTERSTATE	OTHER PRINCIPAL ARTERIAL	MINOR ARTERIAL	MAJOR COLLECTOR	MINOR COLLECTOR	LOCAL	TOTAL	INTERSTATE	OTHER FREEWAYS AND EXPRESSWAYS	OTHER PRINCIPAL ARTERIAL	MINOR ARTERIAL	COLLECTOR	LOCAL	TOTAL	
Alabama	7,812	8,318	6,497	7,884	1,866	7,117	39,494	7,611	607	10,028	8,040	3,623	9,183	39,292	78,786
Alaska	1,228	361	281	698	158	775	3,501	799	0	653	1,083	284	356	3,175	6,676
Arizona	8,529	3,528	2,690	4,372	495	2,589	22,203	5,736	2,437	14,475	8,556	4,492	4,505	40,201	62,404
Arkansas	5,239	6,629	4,967	6,220	1,057	1,837	25,949	3,400	1,227	4,245	3,099	1,055	1,146	14,202	40,151
California	22,508	24,376	14,083	15,696	4,359	3,827	84,849	86,540	69,397	84,975	63,392	22,127	26,371	352,602	437,651
Colorado	6,594	5,295	3,718	2,919	1,031	2,268	21,825	6,643	4,083	9,815	6,178	2,448	3,250	32,417	54,242
Connecticut	2,298	2,145	1,844	1,897	583	1,451	10,218	11,180	4,395	5,366	6,313	2,389	3,812	33,465	43,673
Delaware	0	2,094	460	920	123	704	4,301	1,687	131	2,010	1,157	703	1,319	7,007	11,308
Dist. of Columbia	0	0	0	0	0	0	0	768	650	1,474	1,516	638	604	5,549	5,549
Florida	15,291	16,927	6,938	3,953	2,259	5,690	51,058	23,335	9,621	42,999	22,853	15,312	31,141	145,261	196,319
Georgia	13,665	9,518	10,783	9,733	3,248	7,619	54,556	22,043	3,624	16,839	15,771	7,446	13,001	78,724	133,290
Hawaii ²	0	961	1,149	568	43	593	3,314	2,463	979	2,053	1,171	1,359	1,432	9,457	12,771
Idaho	2,821	2,790	1,292	1,924	344	3,377	12,548	1,302	0	1,782	1,618	717	788	6,207	18,755
Illinois ²	13,767	7,393	7,880	8,022	688	5,609	43,359	25,528	1,480	29,476	23,771	12,609	12,945	105,209	148,568
Indiana	12,335	8,678	6,730	16,133	3,120	4,112	51,108	10,933	1,634	14,983	10,603	3,340	7,950	48,843	99,951
Iowa	6,062	7,399	4,098	5,035	1,248	2,423	26,265	2,723	0	4,368	4,137	2,297	1,174	14,699	40,964
Kansas	4,442	6,014	3,400	4,706	431	2,505	21,498	3,947	1,582	4,464	3,889	1,337	2,997	18,216	39,714
Kentucky	7,804	7,904	3,344	8,162	3,704	4,572	35,490	7,700	1,122	6,880	6,307	2,702	4,086	28,597	64,087
Louisiana	8,331	4,957	3,958	9,094	2,448	3,486	32,274	7,173	1,058	8,753	6,785	2,135	2,059	27,963	60,237
Maine	2,864	2,702	2,796	3,465	1,181	1,724	14,732	787	211	1,511	1,380	1,004	441	5,334	20,066
Maryland	4,790	5,312	3,866	3,471	1,296	2,410	21,145	15,604	5,605	12,617	8,700	4,120	3,282	49,928	71,073
Massachusetts	3,521	2,609	2,126	2,328	370	1,393	12,347	18,291	5,566	14,777	12,735	4,256	7,653	63,278	75,625
Michigan	10,066	11,588	9,521	13,094	2,022	3,869	50,130	20,321	6,302	25,462	19,421	6,154	9,900	86,960	137,090
Minnesota	5,559	9,419	7,004	5,330	1,780	4,215	33,307	9,842	3,738	5,205	9,864	3,288	4,468	36,405	69,712
Mississippi	5,347	6,370	5,622	6,771	583	6,326	31,019	2,629	328	5,051	2,339	1,603	3,076	14,926	45,945
Missouri	9,289	11,819	5,230	10,135	709	4,110	41,292	15,356	4,398	11,197	7,607	3,271	9,075	50,934	92,196
Montana	3,124	3,044	1,580	1,688	503	1,113	11,052	340	0	1,255	658	475	892	3,620	14,672
Nebraska	3,445	4,116	3,196	2,193	413	1,850	15,213	1,273	272	3,849	2,263	658	1,161	9,676	24,899
Nevada	2,664	2,040	713	885	596	1,342	8,240	2,834	838	2,841	3,864	1,287	1,048	12,712	20,952
New Hampshire	2,321	2,354	1,550	1,997	708	898	9,828	1,267	856	1,511	2,204	630	604	7,072	16,900
New Jersey	3,281	5,667	2,100	3,317	1,184	2,059	17,608	14,301	11,877	18,852	15,411	5,466	13,794	79,701	97,309
New Mexico	6,512	4,145	1,936	2,749	719	4,379	20,440	2,390	2	6,201	1,585	1,227	2,116	12,521	32,961
New York	8,975	8,141	9,437	8,532	9,761	5,366	50,202	23,540	23,812	28,020	29,138	12,953	14,144	131,607	181,809
North Carolina	10,163	11,718	9,278	14,082	5,256	7,032	57,529	10,613	4,030	13,493	11,049	3,211	15,833	58,229	115,758
North Dakota	1,720	2,240	877	1,292	107	1,335	7,571	324	0	882	651	284	490	2,431	10,232
Ohio	13,639	10,651	7,788	15,461	3,209	10,008	60,756	28,866	6,230	18,581	17,744	7,665	18,170	97,277	158,033
Oklahoma ²	6,513	6,144	4,524	7,955	259	4,097	29,492	6,098	2,652	6,909	7,187	1,608	5,567	30,021	59,513
Oregon	6,133	7,516	2,961	4,509	1,210	2,925	25,254	5,496	1,657	6,118	4,299	2,239	2,333	22,142	47,396
Pennsylvania	12,395	14,734	12,722	9,162	4,222	10,054	63,289	14,623	8,184	25,012	18,027	10,020	9,467	85,333	148,522
Rhode Island	463	316	237	272	93	38	1,419	2,441	1,080	3,326	1,105	705	1,340	9,997	11,416
South Carolina	10,410	6,282	8,399	7,443	949	3,482	36,965	4,184	1,099	7,604	5,989	2,795	1,302	22,973	59,938
South Dakota	2,533	2,474	1,500	1,933	223	862	9,525	463	28	760	896	296	315	2,758	12,283
Tennessee	11,828	7,153	8,268	5,301	4,338	2,694	39,582	11,477	1,747	14,828	11,051	3,580	5,478	48,161	87,743
Texas	20,601	22,524	16,558	21,096	3,905	6,597	91,581	43,284	27,881	41,585	33,017	15,266	34,408	195,441	287,022
Utah	4,182	2,222	1,487	1,569	377	821	10,658	6,052	160	3,627	3,879	1,678	3,040	18,436	29,094
Vermont	1,674	1,151	1,403	1,784	259	715	4,986	506	118	699	567	334	693	2,917	9,933
Virginia	12,837	9,599	8,655	9,706	886	5,301	46,984	16,744	5,184	14,591	11,594	3,776	9,934	61,823	108,807
Washington	6,381	6,568	3,268	5,333	1,509	1,754	24,813	14,243	6,658	10,896	9,915	4,119	5,684	51,515	76,328
West Virginia	5,133	3,933	3,303	5,252	580	1,551	19,752	2,023	83	2,022	2,225	689	746	7,788	27,540
Wisconsin	7,435	12,205	8,002	6,566	1,226	7,081	42,515	4,946	2,839	11,657	7,856	1,889	9,224	38,391	80,906
Wyoming	2,962	1,793	1,002	818	519	1,171	8,265	450	15	999	393	546	101	2,504	10,769
Total	347,486	333,806	241,321	293,425	78,147	169,126	1,463,311	533,019	237,477	586,376	460,851	193,313	323,221	2,334,257	3,797,568
Percent - Area	23.8	22.9	16.5	20.1	6.4	11.6	100.0	22.9	10.2	25.2	19.8	8.3	13.9	100.0	0.0
Percent - Total	9.2	8.8	6.4	7.8	2.1	4.5	38.6	14.1	6.3	15.5	12.2	5.1	8.6	61.5	100.0

¹ Data are based on State highway agency estimates reported for the various functional systems and are subject to revision pending further Federal Highway Administration review.

² FHWA estimates based on Highway Performance Monitoring System and other available traffic monitoring data.

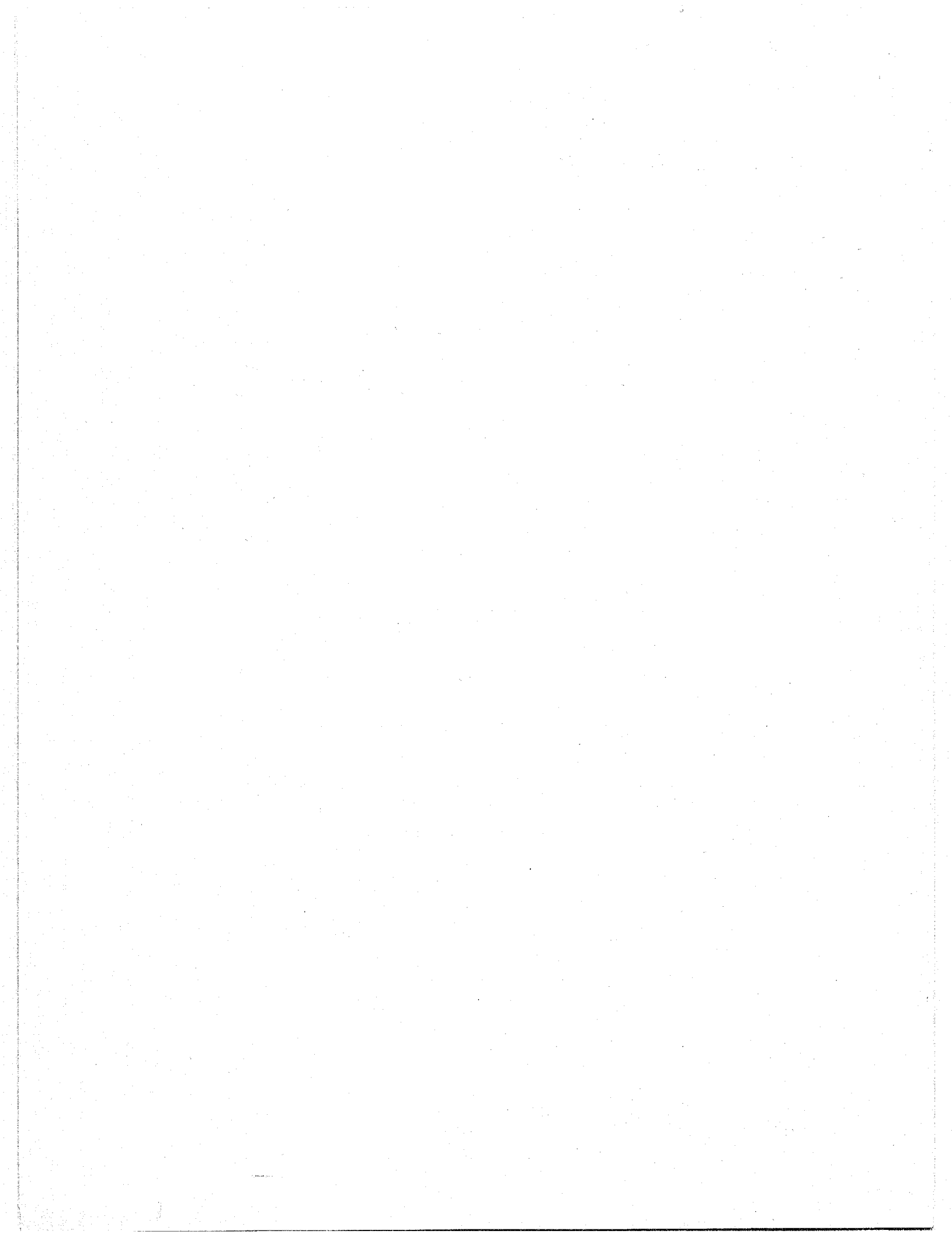
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Appendix I

Table VM-2M (Metric)

Notes

1. *1994 Highway Statistics*, U.S. Government Publication Number FHWA-PL-95-023, contact FHWA, Office of Highway Information for more information: (202)366-0180.
2. *Highway Performance Monitoring System Vehicle Classification Case Study*, August 1982, contact FHWA, Office of Highway Information for more information: (202)366-0180.
3. *1992 Truck Inventory and Use Survey*, U.S. Government Publication Number TC92-T-52, Contact U.S. Department of Commerce, Bureau of the Census for more information: (301) 457-2797.
4. *Accuracy of Traffic Monitoring Equipment*, June 1995, Technical Report GTRI Project A-9291, contact GDOT, Office of Materials and Research for more information: 15 Kennedy Drive, Forrest Park, GA 30050.
5. R. L. Polk & Co., Statistical Services Division, contact R. L. Polk & Co. For more information: (313) 393-4762.
6. *1990 Nationwide Personal Transportation Survey*, U.S. Government Publication Number FHWA-PL-94-010B, Contact FHWA, Office of Highway Information for more information: (202) 366-0160.
7. *Traffic Monitoring Guide*, Third Edition, February, 1995, U.S. Government Publication Number FHWA-PL-95-031, Contact FHWA, Office of Highway Information Management for more information: (202) 366-0180.



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