

**PERSONAL TRAVEL IN THE U.S.
1983-1984 Nationwide Personal Transportation Survey**

Volume II, Part 2

Contains:

Detailed Tabulations from the 1983 Nationwide Personal Transportation Survey

November, 1986

E

**DETAILED TABULATIONS FROM
THE 1983 NATIONWIDE
PERSONAL TRANSPORTATION
STUDY (NPTS)**

BACKGROUND INFORMATION

Section E presents additional detailed tabulations relating to the 1983-1984 Nationwide Personal Transportation Study. These tabulations present the most comprehensive data available on the subjects covered in Chapters IV through IX of Volume I. These subjects include drivers and their licenses, person and vehicle travel, journey to work vehicle occupancy and long distance travel.

Similar to Volume I, which provided initial data results, the tabulations in Volume II were prepared by the COMSIS Corporation under contract to DRWA/DOT. In addition to Volume I, other publications relating to the 1983-1984 NPTS are also available. These include Summary of NPTS Trends, and Survey Data Tabulations. A public use data and accompanying documentation is also available for a fee. See Order Form on page 8 of Volume I.

Survey Content

Data was collected on the 1983 NPTS Questionnaire (Form NPTS-1). The Questionnaire consists of seven numbered sections, plus a section for household demographic information. A most knowledgeable member of the household was asked to give data for each household member, and the combined family income during the past 12 months.

In Section I (Motorized Vehicle Record) information on each of the private motor vehicles available for use by members of the household during the 14-day period was collected. Vehicle data included make, model, availability of automatic transmission, air conditioning, seating capacity, safety equipment, vehicle ownership, whether purchased new or used, type of fuel used and number of miles driven during the past 12 months. Information regarding the proximity and type of public transportation available to the household was collected in Section II.

For each household member 16 years and older, questions on occupation and travel to work were included in Section III. Driver information was collected in Section IV and included number of miles driven during the past 12 months. In addition, data were collected on the number of miles driven as an essential part of a job.

Each member in the household, 14 years and older, was asked for trips taken during a 14-day period (referred to as the "travel period") of at least 75 miles in length (Section V-Travel Period). Characteristics of the trips included destination, date and time trip began, number of household and nonhousehold members on the trip, means of transportation, the household vehicle used (if applicable), the reasons and main purpose of the trip and distance of the trip, including side trips. Similar information was asked for both the outgoing and return portions of each trip.

For each trip made during the "travel day" (Section VI), questions relating to the main purpose of the trip, trip length, number of people in the travel party, main means of transportation of the trip, time of day, trip duration and vehicle used for the trip (if applicable), were asked.

For the first time, the use of safety devices in household vehicles, such as seat belts and child safety seats was gathered in Section VII.

The data results were processed and edited and a final tape was presented to FHWA by the Bureau of the Census.

The following is provided for your information: Terms and Definitions to clarify the terminology in the tables; Table Production Notes to explain how the data were tabulated; and Control numbers for the key items in the survey.

Terms and Definitions

Household Vehicle: A motorized vehicle that is owned, leased, rented or company owned and left at home to be regularly used by household members during the 14-day period. Includes all vehicles that were owned or available for use by members of the household during the 14-day period, even though a vehicle may have been sold before the interview. Excludes vehicles that were not working and not expected to be working within 60 days, and vehicles that were purchased or received after the designated travel day.

Vehicle trip: A trip made in a private vehicle regardless of the number of occupants in the vehicle. Vehicles include an automobile, station wagon, passenger van, other van, pickup truck, pickup with camper, other truck, motorized camper coach, motorcycle, motorized bicycle/moped, and other privately owned vehicles.

Vehicle mile (VMT): A unit to measure vehicle travel made by a household vehicle. For example, a household vehicle traveling five miles would account for five vehicle miles of travel, regardless of the number of passengers.

Person trips: A unit of person travel which includes all private and public modes, as well as walking. When two or more persons travel together in the same vehicle, each person is counted as making one person trip.

Person miles (PMT): A measure of person travel: When one person travels one mile, one person mile of travel results. When two or more persons travel together in the same vehicle, each person accounts for the same number of person miles. For example, four persons traveling together in the same vehicle a distance of five miles, travel four times five-vehicle miles or 20-person miles.

Travel day: A 24-hour period from 4:00 a.m. to 3:59 a.m. designated by the Bureau of the Census as the reference period for collecting trips and travel information of a particular household.

Travel period: A 14-day travel period which includes the 13 days immediately preceding the travel day, plus the Travel day of the interviewed household. Information concerning longer trips and travel (75 miles or more one-way) is collected for the entire 14-day period.

Trip (travel day): A travel day trip is defined as one-way travel from one address to another by a mean(s) of transportation; (e.g., private motor vehicle, public transportation, bicycle, or walking), regardless of trip length.

Trip (travel period): A travel period trip is defined as travel 75 miles or more from the household.

Definition of Public Transportation: Interest was expressed in dividing public transportation trips into local and intercity categories. Therefore, in tables 24, 25, and 32, the modes of bus, train, streetcar, subway/elevated and rail reflect "local" travel defined as trips of 50 miles or less. Trips of over 50 miles made by the above modes were included in the "other" category.

Trip purposes: The main reason that motivated the trip. For purposes of this survey, there are 11 reasons. The 11 trip reasons are defined as follows:

- **To place of work:** Includes travel to a place where one reports for work. It does not include any other work-related travel.
- **Work-related business:** Trips related to business activities except to the place of work; for example, a plumber drives to a wholesale dealer to purchase supplies for his business.
- **Shopping:** Includes "window shopping" and purchases of commodities such as groceries, furniture, textiles, etc., for use or consumption elsewhere.
- **Doctor or dentist:** Trips made for medical, dental or psychiatric treatment or other related professional services.
- **Other family or personal business:** Trips taken to attend organized functions of the family or friends, such as weddings, graduations, reunions, etc. Includes purchase of services such as cleaning garments, beauty parlor treatments, servicing of an auto, etc.
- **Civic/education/religious:** Trips to political rallies, legislative hearings, voting places, etc.; to school, college, or university for class(es), PTA meetings, seminars, etc; to church services or to participate in other religious activities. Social activities that take place at a church or school are not classified as religious or educational.
- **Pleasure driving:** Includes driving trips made with no other purpose listed here but to "go for a drive" with no destination in mind: for example, a Sunday drive in the country.
- **Vacation:** Trips reported by the respondent as "vacation."
- **Visit friends or relatives:** Trips made to visit friends or relatives but not prompted by organized family affairs or an emergency.
- **Other social and recreational:** Include trips taken to eat a meal in a public place. Trips taken to a friend's house for dinner are classified "visit friends or relatives." Includes trips taken to enjoy some form of social activity involving friends or acquaintances, such as party playing cards.
- **Other:** Any purpose of a trip that does not fit into one of the above categories.

Table Production Notes

Vehicle Trips and Vehicle Miles of Travel (VMT): The tables on vehicle trips and VMT include only those

trips in which a household member was the driver.

Travel Period Trips: For the longer trips (i.e., trips of 75 miles or more), separate characteristics were obtained for the outgoing trip and the return trip. Characteristics of the outgoing trip, such as mode, and purpose were considered representative of the entire trip. Thus, the travel period trip Tables 22 and 35, analyze the outgoing trip (i.e., the one-way distance to the destination). However, the travel period tables on travel (VMT and PMT) reflect the round trip distances.

Control Totals: Individual table totals for vehicle trips, VMT, person trips, PNT, etc., may vary somewhat, since a different universe of records were used in different tabulations. For example, in Table 16, vehicle trips (126,902M) were tabulated by purpose and SMSA size, while in Table 14, vehicle trips (126,903M) were tabulated by purpose and urbanized area size.

Control Numbers	
Variables	1983 (in thousands)
Total Households	85,371
Total Vehicles	143,714
Total Persons	229,453
Total Licensed Drivers	147,015
Day Trip File	
Annual Vehicle* Trips	126,874,000
Annual VMT*	1,002,139,000
Annual Person Trips	224,385,000
Annual Person Miles of Travel	1,946,662,000
Period Trip File	
Annual Vehicle* Trips	455,000
Annual VMT*	171,827,000**
Annual Person Trips	1,056,000
Annual Person Miles of Travel	639,347,000**

*Household member driving, means of transportation is a private vehicle, and trip distance is known.

**Total trip distance is used (outgoing distance plus return distance)

NOTE: The individual totals and tables may not match the survey totals shown above. The tables were computer generated and the differences (if less than one percent) may be due to rounding, different number of variables, etc. Differences greater than one percent, are footnoted and the differences explained. If you have any questions regarding these tables, or if you are interested in obtaining other NPTS products, contact Ruth Asin, Travel Monitoring and Transportation Surveys Division, Office of Highway Information Management Division, FHWA, (202) 366-5057.

Urbanized Areas Without/With Rail

Areas of 1,250,000 and greater without rail include:

- Baltimore, MD
- Dallas/Fort Worth, TX
- Denver, CO

Detroit, MI
Houston, TX
Los Angeles - Long Beach, CA
Miami, FL
Minneapolis - St. Paul, MN
Phoenix, AZ
Pittsburgh, PA
San Diego, CA
St. Louis, MO

Areas of 1,250,000 and greater with rail include:

Atlanta, GA
Boston, MA
Chicago, IL - Northwestern Indiana
Cleveland, OH
New York, NY - Northeastern New Jersey
Philadelphia, PA
San Francisco - Oakland, CA
Seattle - Everett, WA
Washington, D.C.

How to read the various cell values that are found in the Statistical Analysis System (SAS) Procedure Frequency Tables

An illustration of these tables is attached, and is used for explanatory purposes. The four key words in reading these tables are shown to the left of the header stub. They are frequency, percent, row percent and column percent. Arrows have been drawn which relate each of the words to its appropriate value. The words are defined and explained below:

Frequency: number of items or observations represented by each cell. In the attached illustration, 18,020 (000,000) Home-to-Work person trips were made by private vehicle drivers traveling 5 miles or less.

Percent: distribution of total observations represented by each cell. The 18,020 (000,000) trips represent 39.32 percent of the total number of person Home-to-Work trips. If the percent is added for each cell in the table, the total is 100 percent.

Row percent: distribution of observations horizontally. The 18,020 (000,000) trips also represent 52.27 percent of all Home-to-Work trips made by private vehicle drivers (34,476). If the row percent is added across (e.g., 52.27 plus 21.55, 11.18, 6.55, etc.) the result is 100 percent.

Column Percent: distribution of observations vertically. The 18,020 (000,000) trips also represent 72.74 percent of all Home-to-Work trips of 5 miles or less (24,773). If the column percent is added down (e.g., 72.74 plus 4.13, 3.23, 12.89) the result is 100 percent.

NOTE: A period "." in a cell indicates there were no observations in that cell.

TABLE E-110
DISTRIBUTION OF HOME-TO-WORK PERSON TRIPS BY MODE CHOICE
AND TRIP DISTANCE TO WORK
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Trip Distance (Miles)						TOTAL
	5 and under	6-10	11-15	16-20	21-30	Over 30	
Private Vehicle - Driver	18020 39.32 52.27 72.74	7430 16.21 21.55 79.77	3855 8.41 11.18 78.97	2260 4.93 6.55 80.60	1758 3.84 5.10 73.37	1155 2.52 3.15 69.49	34476 75.23
Private Vehicle - Passenger	2758 6.02 49.27 11.13	1071 2.34 19.13 11.50	657 1.43 11.73 13.46	387 0.84 6.91 13.80	406 0.89 7.26 16.97	319 0.70 5.70 19.20	5599 12.22
Public Transportation	801 1.75 38.13 3.23	573 1.25 27.25 6.15	297 0.65 14.16 6.09	127 0.28 6.03 4.52	183 0.40 8.73 7.66	120 0.26 5.70 7.20	2101 4.58
Other*	3194 6.97 87.40 12.89	241 0.53 6.61 2.59	73 0.16 1.98 1.49	30 0.07 0.83 1.08	48 0.10 1.31 2.01	68 0.15 1.86 4.10	3654 7.97
TOTAL	24773 54.05	9314 20.32	4881 10.65	2804 6.12	2396 5.23	1662 3.63	45830 100.00

*Includes walk, bicycle, school bus, and other.

TABLE E-1
DISTRIBUTION OF PERSONS BY DRIVER STATUS
AND URBANIZED AREA SIZE
(1983 PERSON FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Licensed Driver		TOTAL
	Yes	No	
50,000 to 199,999	15176 8.62 85.53 10.31	2568 1.46 14.47 8.92	17745 10.08
200,000 to 749,999	20176 11.47 86.83 13.71	3060 1.74 13.17 10.63	23236 13.20
750,000 to 1,249,999	10919 6.20 83.33 7.42	2185 1.24 16.67 7.59	13104 7.45
No rail, 1,250,000 or more	21375 12.15 83.87 14.52	4110 2.34 16.13 14.28	25485 14.48
Rail, 1,250,000 or more	22821 12.97 73.85 15.50	8079 4.59 26.15 28.06	30900 17.56
Unknown Size	2097 1.19 90.10 1.42	230 0.13 9.90 0.80	2328 1.32
Not Urbanized Area, 5,000 or more	13317 7.57 84.48 9.05	2447 1.39 15.52 8.50	15764 8.96
Not Urbanized Area, Under 5,000	41307 23.47 87.12 28.06	6109 3.47 12.88 21.22	47416 26.94
TOTAL	147188 83.64	28789 16.36	175978 100.00

TABLE E-2
DISTRIBUTION OF HOUSEHOLDS
BY VEHICLE OWNERSHIP AND NUMBER OF DRIVERS
(1983 HOUSEHOLD FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Number of licensed drivers					TOTAL
	None	One	Two	Three	Four or more	
None	8049	3010	479	11	0	11548
	9.43	3.53	0.56	0.01	0.00	13.53
	69.70	26.06	4.15	0.09	0.00	
	90.35	11.17	1.23	0.14	0.00	
One	721	19014	8554	477	14	28780
	0.84	22.27	10.02	0.56	0.02	33.71
	2.50	66.07	29.72	1.66	0.05	
	8.09	70.60	22.02	6.23	0.45	
Two	110	3724	22192	2154	452	28632
	0.13	4.36	26.00	2.52	0.53	33.54
	0.38	13.01	77.51	7.52	1.58	
	1.23	13.83	57.12	28.10	15.00	
Three	29	984	5781	3252	889	10935
	0.03	1.15	6.77	3.81	1.04	12.81
	0.27	9.00	52.87	29.74	8.13	
	0.33	3.65	14.88	42.44	29.49	
Four or more	0	200	1847	1770	1659	5477
	0.00	0.23	2.16	2.07	1.94	6.42
	0.00	3.65	33.73	32.32	30.30	
	0.00	0.74	4.75	23.09	55.06	
TOTAL	8909	26931	38854	7664	3013	85371
	10.44	31.55	45.51	8.98	3.53	100.00

TABLE E-3
DISTRIBUTION OF HOUSEHOLDS
BY VEHICLE OWNERSHIP AND FAMILY INCOME
(1983 HOUSEHOLD FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Family Income					TOTAL
	Under \$10,000	\$10,000 - 19,999	\$20,000 - 29,999	\$30,000 - 39,999	\$40,000 and over	
None	8838	2013	410	152	135	11548
	10.35	2.36	0.48	0.18	0.16	13.53
	76.53	17.43	3.55	1.32	1.17	
	39.54	8.85	2.31	1.47	1.11	
One	9555	10507	5398	1839	1481	28780
	11.19	12.31	6.32	2.15	1.74	33.71
	33.20	36.51	18.76	6.39	5.15	
	42.75	46.16	30.38	17.74	12.21	
Two	3033	7189	7952	5151	5308	28633
	3.55	8.42	9.31	6.03	6.22	33.54
	10.59	25.11	27.77	17.99	18.54	
	13.57	31.58	44.76	49.69	43.77	
Three	684	2323	2703	2128	3097	10935
	0.80	2.72	3.17	2.49	3.63	12.81
	6.25	21.25	24.72	19.46	28.32	
	3.06	10.21	15.21	20.53	25.53	
Four or more	241	728	1304	1096	2108	5477
	0.28	0.85	1.53	1.28	2.47	6.41
	4.40	13.29	23.81	20.01	38.49	
	1.08	3.20	7.34	10.57	17.38	
TOTAL	22350	22760	17767	10366	12129	85373
	26.18	26.66	20.81	12.14	14.21	100.00

TABLE E-4
DISTRIBUTION OF HOUSEHOLDS BY URBANIZED AREA SIZE
AND HOUSEHOLD VEHICLE OWNERSHIP
(1983 HOUSEHOLD FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Number of Household Vehicles					TOTAL
	None	One	Two	Three	Four or more	
50,000 to 199,999	1095 1.28 12.61 9.48	3312 3.88 38.14 11.51	2953 3.46 34.01 10.31	910 1.07 10.48 8.32	414 0.48 4.76 7.55	8684 10.17
200,000 to 749,999	1362 1.60 11.35 11.79	4464 5.23 37.21 15.51	4300 5.04 35.84 15.02	1303 1.53 10.86 11.92	568 0.66 4.73 10.36	11997 14.05
750,000 to 1,249,999	931 1.09 14.33 8.07	2405 2.82 36.98 8.35	2252 2.64 34.64 7.87	639 0.75 9.83 5.85	274 0.32 4.22 5.01	6502 7.62
No rail, 1,250,000+	1577 1.85 12.62 13.65	4480 5.25 35.85 15.57	4075 4.77 32.60 14.23	1627 1.91 13.02 14.88	740 0.87 5.92 13.50	12498 14.64
Rail, 1,250,000+	3757 4.40 24.89 32.53	5027 5.89 33.31 17.46	4171 4.89 27.64 14.57	1541 1.81 10.21 14.09	596 0.70 3.95 10.87	15091 17.68
Unknown Size	39 0.05 3.63 0.34	463 0.54 42.62 1.61	403 0.47 37.12 1.41	90 0.11 8.28 0.82	91 0.11 8.35 1.65	1085 1.27
Not Urbanized Area, 5,000 or more	1046 1.23 13.55 9.06	2790 3.27 36.13 9.69	2498 2.93 32.35 8.72	917 1.07 11.88 8.39	470 0.55 6.08 8.58	7721 9.04
Not Urbanized Area, Under 5,000	1742 2.04 7.99 15.08	5842 6.84 26.80 20.30	7982 9.35 36.62 27.88	3907 4.58 17.92 35.73	2326 2.72 10.67 42.47	21799 25.53
TOTAL	11549 13.53	28782 33.71	28634 33.54	10935 12.81	5477 6.41	85376 100.00

TABLE K-5
DISTRIBUTION OF HOUSEHOLDS BY LIFE CYCLE
AND HOUSEHOLD VEHICLE OWNERSHIP
(1983 HOUSEHOLD FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Life Cycle of Family												TOTAL
	No children		Child < 6		Child 6-15		Child 16+		No Children		TOTAL		
	One Adult	Two+ Adults	One Adult	Two+ Adults	One Adult	Two+ Adults	One Adult	Two+ Adults	One Retired	Two+ Retired			
None	5692 6.67 49.29 33.57	1570 1.84 13.59 6.94	829 0.97 7.18 42.69	580 0.68 5.02 4.21	903 1.06 7.82 26.60	343 0.40 2.97 2.80	143 0.17 1.24 17.05	84 0.10 0.73 1.83	909 1.06 7.87 37.85	496 0.58 4.29 7.57	11549 13.53		
One	9735 11.40 33.82 57.42	5709 6.69 19.83 25.23	1000 1.17 3.48 51.52	3681 4.31 12.79 26.72	1893 2.22 6.58 55.79	1881 2.20 6.53 15.32	324 0.38 1.13 38.68	497 1.54 1.73 10.77	1312 1.54 4.56 54.68	2748 3.22 9.55 41.99	28781 33.71		
Two	1199 1.40 4.19 7.07	10077 11.80 35.19 44.53	102 0.12 0.36 5.26	6762 7.92 23.62 49.09	463 0.54 1.62 13.65	5889 6.90 20.57 47.97	254 0.30 0.89 30.27	1057 1.24 3.69 22.88	164 0.19 0.57 6.83	2666 3.12 9.31 40.73	28633 33.54		
Three	268 0.31 2.45 1.58	3868 4.53 35.37 17.09	0 0.00 0.00 0.00	1847 2.16 16.89 13.41	100 0.12 0.92 2.95	2758 3.23 25.22 22.47	50 0.06 0.45 5.93	1546 1.81 14.14 33.48	0 0.00 0.00 0.00	498 0.58 4.55 7.60	10935 12.81		
Four or more	61 0.07 1.11 0.36	1406 1.65 25.67 6.21	10 0.01 0.19 0.52	906 1.06 16.53 6.57	34 0.04 0.63 1.01	1405 1.65 25.66 11.45	68 0.08 1.24 8.07	1434 1.68 26.18 31.04	15 0.02 0.28 0.63	138 0.16 2.52 2.11	5477 6.41		
TOTAL	16955 19.86	22629 26.51	1942 2.27	13776 16.14	3394 3.98	12277 14.38	838 0.98	4618 5.41	2400 2.81	6546 7.67	85374 100.00		

**TABLE E-6
VEHICLES PER HOUSEHOLD BY INCOME AND URBANIZED AREA SIZE
(HOUSEHOLDS - WEIGHTED)**

	Urbanized Area Size						Not Urbanized 5,000 or more	Not Urbanized Under 5,000	Total
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No Rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size			
Family Income	Vehicles Per Household								
Under \$10,000	0.9	0.8	0.8	0.7	0.5	1.3	0.9	1.1	0.8
\$10,000-\$19,999	1.5	1.6	1.4	1.4	1.1	1.5	1.6	2.0	1.6
\$20,000-\$29,999	1.9	1.9	1.9	1.8	1.5	2.2	2.2	2.4	2.0
\$30,000-\$39,999	2.4	2.2	2.2	2.3	1.9	2.2	2.6	2.6	2.3
\$40,000 or more	2.5	2.5	2.5	2.7	2.3	2.6	2.4	2.9	2.6
Total	1.6	1.6	1.5	1.7	1.4	1.8	1.7	2.0	1.7

**TABLE E-7
ANNUAL MILES PER HOUSEHOLD* BY INCOME AND NUMBER OF VEHICLES OWNED
(HOUSEHOLDS - WEIGHTED)**

Family Income	Number of Household Vehicles					Total
	None	One	Two	Three	Four or more	
	Annual Miles Per Household					
Under \$10,000	0	8030	15079	26766	38144	6063
\$10,000 - 19,999	0	10447	19409	26601	35765	13820
\$20,000 - 29,999	0	12393	22262	29366	40363	20074
\$30,000 - 39,999	0	12931	24185	30683	38342	23713
\$40,000 or more	0	11829	24558	33090	51697	28516
Total	0	10257	21655	30013	43989	15974

*Households with any unknown vehicle miles are excluded.

TABLE E-8
ANNUAL MILES PER HOUSEHOLD BY LIFE CYCLE AND URBANIZED AREA SIZE
(HOUSEHOLDS - WEIGHTED)

Life Cycle of Family	Urbanized Area Size							Total	
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No Rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size	Not Urbanized 5,000 or more		Not Urbanized Under 5,000
	Annual Miles Per Household								
1 Adult, no children	6349	7217	5737	8965	5557	6577	7412	8235	7138
2+ Adults, no children	14588	18930	17363	18738	15976	19468	17834	20998	18265
1 Adult, child<6	3189	7739	2311	5931	3079	10000	10854	8235	5672
2+ Adults, child<6	17393	19736	16649	20777	15327	22520	17927	24290	19934
1 Adult, child 6-15	7545	11056	4514	10081	5206	6000	7107	23011	10176
2+ Adults, child 6-15	18045	24888	20563	26091	18720	28038	24652	27565	24174
1 Adult, child 16+	20652	8971	4647	13054	9098	19731	13787	23886	13599
2+ Adults, child 16+	30095	28951	22602	32425	25001	43751	28660	31743	29209
1 Retired, no children	3411	1359	5417	3870	2659	3363	2886	8989	4212
2+ Retired, no children	8044	10714	11674	10813	8739	6336	10480	12851	10902
Total	13291	15471	13343	16720	12706	19006	15556	20540	16153

**TABLE E-9
ANNUAL MILES PER HOUSEHOLD
BY NUMBER OF VEHICLES OWNED AND URBANIZED AREA SIZE
(HOUSEHOLDS - WEIGHTED)**

Number of Household Vehicles	Urbanized Area Size						Not Urbanized 5,000 or more	Not Urbanized Under 5,000	Total
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No Rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size			
None	0	0	0	0	0	0	0	0	0
One	9249	9990	8952	11241	9577	9101	9199	11883	10257
Two	17774	20618	16992	20678	19655	22296	20559	21455	20159
Three	21965	26031	25429	26887	25526	26026	25179	23590	26564
Four or More	28523	32010	36588	41200	38740	51712	38361	39929	38156
Total	13291	15471	13343	16720	12706	19006	15556	20540	16153

**TABLE E-10
ESTIMATED AVERAGE ANNUAL MILES DRIVEN PER DRIVER
BY AGE AND SEX
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)**

Age	Sex		
	Male	Female	Total
	Miles Driven Last Year		
16-19	5907	3874	4985
20-24	13418	7113	10339
25-29	16219	6968	11810
30-34	17167	7264	12126
35-39	17656	7800	12662
40-44	18223	7465	13015
45-49	15782	7525	11805
50-54	15614	6294	10936
55-59	13041	5741	9443
60-64	11519	5051	8568
65-69	9019	4154	6804
70 and over	5804	2692	4348
Total	13962	6381	10588

TABLE E-11
ESTIMATED AVERAGE ANNUAL MILES PER VEHICLE BY URBANIZED AREA SIZE
(1983 VEHICLE FILE - WEIGHTED)

Urbanized Area Size								
50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No Rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size	Not Urbanized 5,000 or more	Not Urbanized Under 5,000	Total
8,914	10,192	9,340	10,776	10,115	11,167	10,026	10,936	10,315

TABLE E-12
AVERAGE NUMBER OF VEHICLES PER HOUSEHOLD BY URBANIZED AREA SIZE
(1983 HOUSEHOLD FILE - WEIGHTED)

Urbanized Area Size								
50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No Rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size	Not Urbanized 5,000 or more	Not Urbanized Under 5,000	Total
1.6	1.6	1.5	1.7	1.4	1.8	1.7	2.0	1.7

TABLE E-13
 DISTRIBUTION OF VEHICLES BY VEHICLE TYPE AND INCOME
 (1983 VEHICLE FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Family Income					TOTAL
	UNDER \$10,000	\$10,000 - 19,999	\$20,000 - 29,999	\$30,000 - 39,999	\$40,000 OR MORE	
Auto	13927 9.69 14.05 74.32	23743 16.51 23.96 67.73	23512 16.35 23.73 66.53	15704 10.92 15.85 66.24	22204 15.44 22.41 71.74	99090 68.91
Station Wagon	1088 0.76 10.68 5.81	2160 1.50 21.20 6.16	2416 1.68 23.72 6.84	1701 1.18 16.70 7.17	2822 1.96 27.71 9.12	10187 7.08
Passenger Van	249 0.17 7.62 1.33	848 0.59 25.88 2.42	787 0.55 24.04 2.23	699 0.49 21.35 2.95	692 0.48 21.11 2.23	3275 2.28
Other Van	164 0.11 8.87 0.87	445 0.31 24.09 1.27	588 0.41 31.84 1.66	359 0.25 19.43 1.51	291 0.20 15.77 0.94	1847 1.28
Pickup Truck	2368 1.65 11.61 12.64	5697 3.96 27.94 16.25	5558 3.87 27.25 15.73	3491 2.43 17.12 14.73	3280 2.28 16.08 10.60	20395 14.18
Pickup With Camper	121 0.08 8.18 0.64	396 0.28 26.81 1.13	412 0.29 27.91 1.17	341 0.24 23.10 1.44	207 0.14 14.00 0.67	1476 1.03
Other Truck	237 0.16 11.12 1.27	565 0.39 26.52 1.61	546 0.38 25.60 1.54	392 0.27 18.36 1.65	392 0.27 18.40 1.27	2132 1.48
Motorized Camper	52 0.04 7.95 0.28	156 0.11 24.02 0.45	203 0.14 31.16 0.57	98 0.07 15.13 0.41	141 0.10 21.74 0.46	650 0.45
Motorcycle	411 0.29 11.42 2.19	785 0.55 21.83 2.24	1014 0.71 28.20 2.87	743 0.52 20.64 3.13	645 0.45 17.92 2.08	3597 2.50
Motorized Bicycle	90 0.06 11.39 0.48	166 0.12 20.92 0.47	231 0.16 29.14 0.65	101 0.07 12.78 0.43	204 0.14 25.77 0.66	792 0.55
Other (POV)	33 0.02 9.41 0.18	95 0.07 26.91 0.27	74 0.05 20.98 0.21	80 0.06 22.64 0.34	71 0.05 20.05 0.23	353 0.25
TOTAL	18740 13.03	35055 24.38	35342 24.58	23709 16.49	30949 21.52	143794 100.00

TABLE E-14
DISTRIBUTION OF HOUSEHOLD VEHICLES BY TYPE AND AGE
(1983 VEHICLE FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	VEHICLE AGE (YEARS)						TOTAL
	UNDER 1 YEAR	ONE	TWO	THREE	FOUR	FIVE	
Auto	4914 3.42 4.96 70.32	7067 4.91 7.13 75.16	7689 5.35 7.76 76.42	8330 5.79 8.41 76.53	9573 6.66 9.66 71.13	9694 6.74 9.78 70.79	99093 68.91
Station Wagon	641 0.45 6.30 9.18	641 0.45 6.29 6.81	729 0.51 7.15 7.24	651 0.45 6.39 5.98	984 0.68 9.66 7.31	1097 0.76 10.77 8.01	10187 7.08
Passenger Van	183 0.13 5.58 2.62	254 0.18 7.75 2.70	91 0.06 2.77 0.90	203 0.14 6.21 1.87	336 0.23 10.24 2.49	408 0.28 12.45 2.98	3275 2.28
Other Van	77 0.05 4.17 1.10	51 0.04 2.76 0.54	46 0.03 2.51 0.46	109 0.08 5.91 1.00	206 0.14 11.14 1.53	196 0.14 10.61 1.43	1847 1.28
Pickup Truck	1035 0.72 5.07 14.81	1256 0.87 6.16 13.35	1316 0.92 6.45 13.08	1456 1.01 7.14 13.38	1973 1.37 9.67 14.66	1904 1.32 9.33 13.90	20395 14.18
Pickup With Camper	0 0.00 0.00 0.00	74 0.05 5.00 0.79	127 0.09 8.64 1.27	73 0.05 4.93 0.67	140 0.10 9.51 1.04	99 0.07 6.68 0.72	1476 1.03
Other Truck	118 0.08 5.52 1.68	37 0.03 1.72 0.39	53 0.04 2.47 0.52	62 0.04 2.92 0.57	168 0.12 7.86 1.24	235 0.16 11.02 1.72	2132 1.48
Motorized Camper	9 0.01 1.43 0.13	12 0.01 1.81 0.13	10 0.01 1.60 0.10	0 0.00 0.00 0.00	80 0.06 12.34 0.60	53 0.04 8.18 0.39	650 0.45
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	3597 2.50
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	792 0.55
Other (POV)	11 0.01 3.06 0.15	12 0.01 3.50 0.13	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	9 0.01 2.49 0.06	353 0.25
TOTAL	6987 4.86	9403 6.54	10061 7.00	10885 7.57	13459 9.36	13695 9.52	143798 100.00

TABLE E-14 (CONTINUED)
DISTRIBUTION OF HOUSEHOLD VEHICLES BY TYPE AND AGE
(1983 VEHICLE FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	VEHICLE AGE (YEARS)						TOTAL
	SIX	SEVEN	EIGHT	NINE	TEN OR OLDER	UNKNOWN	
Auto	7996 5.56 8.07 72.14	7751 5.39 7.82 73.48	5220 3.63 5.27 72.28	5750 4.00 5.80 69.15	24248 16.86 24.47 66.80	860 0.60 0.87 14.74	99093 68.91
Station Wagon	810 0.56 7.95 7.30	797 0.55 7.82 7.55	513 0.36 5.03 7.10	814 0.57 7.99 9.79	2458 1.71 24.13 6.77	53 0.04 0.52 0.90	10187 7.08
Passenger Van	379 0.26 11.56 3.42	235 0.16 7.17 2.22	182 0.13 5.55 2.52	274 0.19 8.38 3.30	655 0.46 20.00 1.80	76 0.05 2.33 1.31	3275 2.28
Other Van	182 0.13 9.87 1.65	164 0.11 8.89 1.56	97 0.07 5.24 1.34	155 0.11 8.38 1.86	511 0.36 27.68 1.41	52 0.04 2.84 0.90	1847 1.28
Pickup Truck	1451 1.01 7.11 13.09	1167 0.81 5.72 11.06	982 0.68 4.82 13.61	960 0.67 4.71 11.54	6659 4.63 32.65 18.35	237 0.16 1.16 4.05	20395 14.18
Pickup With Camper	145 0.10 9.84 1.31	78 0.05 5.27 0.74	40 0.03 2.68 0.55	102 0.07 6.90 1.22	598 0.42 40.54 1.65	0 0.00 0.00 0.00	1476 1.03
Other Truck	84 0.06 3.95 0.76	169 0.12 7.93 1.60	149 0.10 6.96 2.06	151 0.10 7.06 1.81	834 0.58 39.11 2.30	74 0.05 3.49 1.28	2132 1.48
Motorized Camper	25 0.02 3.81 0.22	109 0.08 16.83 1.04	40 0.03 6.10 0.55	81 0.06 12.53 0.98	216 0.15 33.22 0.59	14 0.01 2.14 0.24	650 0.45
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	3597 2.50 100.00 61.63	3597 2.50
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	792 0.55 100.00 13.57	792 0.55
Other (POV)	13 0.01 3.66 0.12	78 0.05 22.19 0.74	0 0.00 0.00 0.00	28 0.02 8.04 0.34	121 0.08 34.26 0.33	80 0.06 22.80 1.38	353 0.25
TOTAL	11085 7.71	10549 7.34	7221 5.02	8316 5.78	36301 25.24	5836 4.06	143798 100.00

TABLE E-15
DISTRIBUTION OF HOUSEHOLDS BY URBANIZED AREA SIZE
(1983 HOUSEHOLD FILE - WEIGHTED IN THOUSANDS)

Urbanized Area Size	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
50,000 to 199,999	8682	8682	10.171	10.171
200,000 to 749,999	11995	20678	14.052	24.223
750,000 to 1,249,999	6501	27180	7.616	31.839
No rail, 1,250,000 or more	12496	39677	14.638	46.477
Rail, 1,250,000 or more	15089	54766	17.675	64.153
Unknown Size	1085	55851	1.271	65.424
Not Urbanized Area, 5,000 or more	7719	63571	9.043	74.467
Not Urbanized Area, Under 5,000	21797	85369	25.533	100.000

TABLE E-16
 DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE
 AND AGE OF DRIVERS
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Age							TOTAL
	16-19	20-29	30-39	40-49	50-59	60-64	65 and over	
To or From Work	1599 1.30 4.56 21.56	10209 8.29 29.12 31.80	9299 7.55 26.53 29.42	6551 5.32 18.69 32.71	4909 3.99 14.00 30.01	1747 1.42 4.98 26.60	739 0.60 2.11 8.16	35054 28.47
Work Related Business	111 0.09 3.04 1.50	748 0.61 20.38 2.33	1101 0.89 30.02 3.48	549 0.45 14.97 2.74	770 0.63 21.00 4.71	193 0.16 5.27 2.95	195 0.16 5.33 2.16	3669 2.98
Shopping	937 0.76 3.82 12.64	5405 4.39 22.02 16.84	5886 4.78 23.98 18.62	4053 3.29 16.52 20.24	3842 3.12 15.65 23.49	1598 1.30 6.51 24.33	2821 2.29 11.49 31.17	24542 19.93
Other Family or Personal Business	874 0.71 3.85 11.78	5246 4.26 23.10 16.34	6637 5.39 29.23 21.00	4141 3.36 18.23 20.67	2657 2.16 11.70 16.24	1232 1.00 5.43 18.76	1920 1.56 8.46 21.21	22707 18.44
Doctor/Dentist	45 0.04 3.24 0.61	218 0.18 15.58 0.68	383 0.31 27.42 1.21	291 0.24 20.81 1.45	198 0.16 14.21 1.21	98 0.08 7.05 1.50	163 0.13 11.69 1.80	1397 1.13
School/Church	1269 1.03 18.70 17.10	1593 1.29 23.47 4.96	1498 1.22 22.08 4.74	703 0.57 10.36 3.51	840 0.68 12.38 5.14	250 0.20 3.69 3.81	633 0.51 9.32 6.99	6785 5.51
Vacation	5 0.00 2.76 0.07	30 0.02 16.18 0.09	76 0.06 41.57 0.24	17 0.01 9.56 0.09	38 0.03 20.71 0.23	7 0.01 4.07 0.11	9 0.01 5.16 0.10	182 0.15
Visit Friends or Relatives	1341 1.09 11.07 18.08	4062 3.30 33.52 12.65	2626 2.13 21.67 8.31	1308 1.06 10.79 6.53	1184 0.96 9.77 7.24	621 0.50 5.12 9.45	976 0.79 8.05 10.78	12117 9.84
Pleasure Driving	43 0.03 9.17 0.58	113 0.09 24.17 0.35	109 0.09 23.24 0.34	43 0.03 9.18 0.21	94 0.08 20.19 0.58	6 0.01 1.38 0.10	59 0.05 12.67 0.65	467 0.38
Other Social or Recreational	1130 0.92 7.67 15.23	4184 3.40 28.42 13.03	3601 2.92 24.46 11.39	2112 1.72 14.35 10.55	1659 1.35 11.27 10.14	745 0.61 5.06 11.35	1290 1.05 8.76 14.25	14721 11.96
Other	64 0.05 4.30 0.87	297 0.24 19.86 0.92	391 0.32 26.20 1.24	262 0.21 17.54 1.31	165 0.13 11.07 1.01	68 0.06 4.57 1.04	246 0.20 16.47 2.72	1493 1.21
TOTAL	7419 6.03	32103 26.07	31606 25.67	20030 16.27	16357 13.28	6568 5.33	9051 7.35	123135* 100.00

*3,739 million trips not included because age of driver was unknown.

TABLE E-17
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND AGE OF DRIVERS
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Age							TOTAL
	16-19	20-29	30-39	40-49	50-59	60-64	65 and over	
To or From Work	9495 0.98 3.16 20.56	87926 9.06 29.30 32.02	88987 9.17 29.65 35.23	60007 6.19 20.00 36.58	38101 3.93 12.70 30.03	11249 1.16 3.75 21.43	4316 0.44 1.44 8.09	300081 30.93
Work Related Business	946 0.10 2.29 2.05	8009 0.83 19.39 2.92	13756 1.42 33.30 5.45	8427 0.87 20.40 5.14	5766 0.59 13.96 4.55	2597 0.27 6.29 4.95	1807 0.19 4.37 3.38	41308 4.26
Shopping	3977 0.41 3.04 8.61	33372 3.44 25.52 12.15	29321 3.02 22.42 11.61	22219 2.29 16.99 13.55	22340 2.30 17.08 17.61	7230 0.75 5.53 13.77	12315 1.27 9.42 23.07	130775 13.48
Other Family or Personal Business	5292 0.55 3.59 11.46	35721 3.68 24.21 13.01	40001 4.12 27.11 15.84	28427 2.93 19.27 17.33	17621 1.82 11.94 13.89	12171 1.25 8.25 23.18	8321 0.86 5.64 15.59	147553 15.21
Doctor/Dentist	385 0.04 2.81 0.83	2372 0.24 17.34 0.86	2883 0.30 21.08 1.14	3149 0.32 23.02 1.92	1460 0.15 10.67 1.15	2142 0.22 15.66 4.08	1287 0.13 9.41 2.41	13679 1.41
School/Church	7232 0.75 19.22 15.66	11003 1.13 29.24 4.01	8192 0.84 21.77 3.24	3303 0.34 8.78 2.01	4126 0.43 10.96 3.25	923 0.10 2.45 1.76	2856 0.29 7.59 5.35	37636 3.88
Vacation	40 0.00 0.20 0.09	9339 0.96 45.32 3.40	6534 0.67 31.71 2.59	1606 0.17 7.79 0.98	2168 0.22 10.52 1.71	655 0.07 3.18 1.25	265 0.03 1.28 0.50	20607 2.12
Visit Friends or Relatives	9743 1.00 7.50 21.09	42331 4.36 32.57 15.41	29148 3.00 22.43 11.54	16921 1.74 13.02 10.32	16623 1.71 12.79 13.10	6276 0.65 4.83 11.96	8912 0.92 6.86 16.69	129954 13.39
Pleasure Driving	146 0.02 1.59 0.32	2238 0.23 24.33 0.82	1619 0.17 17.60 0.64	801 0.08 8.71 0.49	2997 0.31 32.58 2.36	64 0.01 0.70 0.12	1333 0.14 14.50 2.50	9199 0.95
Other Social or Recreational	8579 0.88 6.67 18.57	40758 4.20 31.70 14.84	29063 3.00 22.60 11.51	17857 1.84 13.89 10.89	14582 1.50 11.34 11.49	7084 0.73 5.51 13.49	10656 1.10 8.29 19.96	128578 13.25
Other	353 0.04 3.27 0.76	1555 0.16 14.41 0.57	3081 0.32 28.53 1.22	1315 0.14 12.18 0.80	1072 0.11 9.93 0.84	2105 0.22 19.49 4.01	1317 0.14 12.20 2.47	10798 1.11
TOTAL	46188 4.76	274625 28.31	252586 26.04	164031 16.91	126856 13.08	52496 5.41	53384 5.50	970167* 100.00

*31,972 vehicle miles of travel not included because driver age was unknown.

TABLE E-18
AVERAGE VEHICLE TRIP LENGTH BY TRIP PURPOSE AND
AGE OF DRIVERS
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

Main Purpose	Age							Total
	16-19	20-29	30-39	40-49	50-59	60-64	65 and over	
	Miles							
To or From Work	5.9	8.6	9.6	9.2	7.8	6.4	5.8	8.6
Work Related Business	8.5	10.7	12.5	15.3	7.5	13.4	9.2	11.3
Shopping	4.2	6.2	5.0	5.5	5.8	4.5	4.4	5.3
Other Family or Personal Business	6.1	6.8	6.0	6.9	6.6	9.9	4.3	6.5
Doctor/Dentist	8.5	10.9	7.5	10.8	7.4	21.8	7.9	9.8
School/Church	5.7	6.9	5.5	4.7	4.9	3.7	4.5	5.5
Vacation	8.0	316.4	86.2	92.1	57.4	88.2	28.1	113.0
Visit Friends or Relatives	7.3	10.4	11.1	12.9	14.0	10.1	9.1	10.7
Pleasure Driving	3.4	19.8	14.9	18.7	31.8	10.0	22.5	19.7
Other Social or Recreational	7.6	9.7	8.1	8.5	8.8	9.5	8.3	8.7
Other	5.5	5.2	7.9	5.0	6.5	30.8	5.4	7.2
Total	6.2	8.6	8.0	8.2	7.8	8.0	5.9	7.9

TABLE E-19
DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE
AND OCCUPATION OF DRIVERS*
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Occupation									TOTAL
	Managers	Profes- sional	Clerical	Service Workers	Farmers	Skilled Workers	Un- skilled Workers	Retired	Un- employed	
To or From Work	4522 3.67 12.90 42.07	4440 3.61 12.66 32.56	10877 8.83 31.03 38.16	4118 3.34 11.75 35.20	973 0.79 2.78 33.41	4464 3.63 12.73 39.44	5475 4.45 15.62 33.92	17 0.01 0.05 0.27	170 0.14 0.48 0.77	35055 28.47
Work Related Business	565 0.46 15.41 5.26	617 0.50 16.80 4.52	1028 0.84 28.03 3.61	225 0.18 6.14 1.93	276 0.22 7.53 9.49	507 0.41 13.81 4.48	279 0.23 7.62 1.73	55 0.04 1.51 0.89	116 0.09 3.16 0.53	3669 2.98
Shopping	1713 1.39 6.98 15.94	2513 2.04 10.24 18.43	4802 3.90 19.57 16.85	2033 1.65 8.28 17.38	425 0.35 1.73 14.61	1841 1.49 7.50 16.26	2722 2.21 11.09 16.87	2137 1.74 8.71 34.37	6356 5.16 25.90 28.93	24542 19.93
Other Family or Personal Business	1752 1.42 7.72 16.30	2322 1.89 10.23 17.03	4671 3.79 20.57 16.39	2188 1.78 9.64 18.71	468 0.38 2.06 16.05	1565 1.27 6.89 13.83	2844 2.31 12.52 17.62	1412 1.15 6.22 22.71	5486 4.45 24.16 24.97	22707 18.44
Doctor/Dentist	53 0.04 3.80 0.49	124 0.10 8.90 0.91	272 0.22 19.48 0.95	97 0.08 6.97 0.83	16 0.01 1.17 0.56	84 0.07 6.00 0.74	184 0.15 13.14 1.14	151 0.12 10.82 2.43	415 0.34 29.71 1.89	1397 1.13
School/Church	357 0.29 5.26 3.32	700 0.57 10.32 5.14	1196 0.97 17.62 4.20	637 0.52 9.39 5.45	125 0.10 1.84 4.29	350 0.28 5.16 3.10	725 0.59 10.68 4.49	415 0.34 6.11 6.67	2281 1.85 33.61 10.38	6785 5.91
Vacation	8 0.01 4.34 0.07	30 0.02 16.45 0.22	71 0.06 38.93 0.25	4 0.00 2.15 0.03	0 0.00 0.00 0.00	9 0.01 4.96 0.08	23 0.02 12.80 0.14	10 0.01 5.30 0.16	27 0.02 15.06 0.13	182 0.15
Visit Friends or Relatives	603 0.49 4.98 5.61	1000 0.81 8.25 7.33	2229 1.81 18.39 7.82	1060 0.86 8.75 9.06	358 0.29 2.95 12.28	1211 0.98 9.99 10.70	1759 1.43 14.32 10.90	681 0.55 5.62 10.96	3216 2.61 26.54 14.64	12117 9.84
Pleasure Driving	40 0.03 8.62 0.37	80 0.07 17.14 0.59	80 0.06 17.12 0.28	29 0.02 6.13 0.25	4 0.00 0.93 0.15	10 0.01 2.16 0.09	92 0.07 19.70 0.57	41 0.03 8.87 0.67	90 0.07 19.32 0.41	467 0.38
Other Social or Recreational	1018 0.83 6.91 9.47	1683 1.37 11.43 12.34	3064 2.49 20.81 10.75	1222 0.99 8.30 10.45	223 0.18 1.52 7.66	1205 0.98 8.18 10.64	1840 1.49 12.50 11.40	1078 0.88 7.32 17.34	3388 2.75 23.02 15.43	14721 11.95
Other	117 0.10 7.86 1.09	127 0.10 8.50 0.93	212 0.17 14.17 0.74	84 0.07 5.62 0.72	44 0.04 2.95 1.51	73 0.06 4.90 0.65	195 0.16 13.04 1.21	220 0.18 14.72 3.54	422 0.34 28.24 1.92	1493 1.21
TOTAL	10749 8.73	13636 11.07	28501 23.15	11697 9.50	2913 2.37	11318 9.19	16139 13.11	6217 5.05	21966 17.84	123137 100.00

*Includes only drivers 16 years or older.

TABLE E-20
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND OCCUPATION OF DRIVERS*
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Occupation									TOTAL
	Managers	Profes- sional	Clerical	Service Workers	Farmers	Skilled Workers	Un- skilled Worker	Retired	Un- employed	
To or From Work	43538 4.49 14.51 40.99	35287 3.64 11.76 29.89	83252 8.58 27.74 36.94	28544 2.94 9.51 36.62	6992 0.72 2.33 28.09	51048 5.26 17.01 49.20	50167 5.17 16.72 38.02	34 0.00 0.01 0.09	1230 0.13 0.41 0.86	300093 30.93
Work Related Business	7440 0.77 18.01 7.01	7691 0.79 18.62 6.51	7272 0.75 17.61 3.23	2040 0.21 4.94 2.62	3524 0.36 8.53 14.16	5883 0.61 14.24 5.67	5431 0.56 13.15 4.12	809 0.08 1.96 2.08	1218 0.13 2.95 0.85	41308 4.26
Shopping	9867 1.02 7.55 9.29	14708 1.52 11.25 12.46	27103 2.79 20.72 12.03	12254 1.26 9.37 15.72	3417 0.35 2.61 13.73	10044 1.04 7.68 9.68	13938 1.44 10.66 10.56	9130 0.94 6.98 23.49	30316 3.12 23.18 21.18	130775 13.48
Other Family or Personal Business	18412 1.90 12.48 17.34	14663 1.51 9.94 12.42	28117 2.90 19.06 12.48	12702 1.31 8.61 16.30	3925 0.40 2.66 15.77	10975 1.13 7.44 10.58	16946 1.75 11.48 12.84	7279 0.75 4.93 18.73	34533 3.56 23.40 24.12	147553 15.21
Doctor/Dentist	350 0.04 2.56 0.33	1135 0.12 8.30 0.96	3120 0.32 22.81 1.38	595 0.06 4.35 0.76	524 0.05 3.83 2.11	300 0.03 2.20 0.29	1847 0.19 13.50 1.40	2024 0.21 14.79 5.21	3784 0.39 27.66 2.64	13679 1.41
School/Church	1860 0.19 4.94 1.75	4621 0.48 12.28 3.91	7273 0.75 19.32 3.23	2827 0.29 7.51 3.63	844 0.09 2.24 3.39	2000 0.21 5.31 1.93	3671 0.38 9.75 2.78	2271 0.23 6.04 5.85	12269 1.26 32.60 8.57	37636 3.88
Vacation	3288 0.34 15.96 3.10	2619 0.27 12.71 2.22	6334 0.65 30.74 2.81	255 0.03 1.24 0.33	0 0.00 0.00 0.00	566 0.06 2.75 0.55	676 0.07 3.28 0.51	226 0.02 1.09 0.58	6643 0.68 32.24 4.64	20607 2.12
Visit Friends or Relatives	9051 0.93 6.97 8.52	19333 1.99 14.88 16.37	25610 2.64 19.71 11.36	8513 0.88 6.55 10.92	3407 0.35 2.62 13.69	11452 1.18 8.81 11.04	20375 2.10 15.68 15.44	5243 0.54 4.03 13.49	26970 2.78 20.75 18.84	129954 13.39
Pleasure Driving	850 0.09 9.24 0.80	1973 0.20 21.44 1.67	1670 0.17 18.15 0.74	882 0.09 9.59 1.13	52 0.01 0.57 0.21	333 0.03 3.62 0.32	909 0.09 9.88 0.69	425 0.04 4.62 1.09	2106 0.22 22.89 1.47	9199 0.95
Other Social or Recreational	10350 1.07 8.05 9.74	15219 1.57 11.84 12.89	34052 3.51 26.48 15.11	8962 0.92 6.97 11.50	1865 0.19 1.45 7.49	10530 1.09 8.19 10.15	16649 1.72 12.95 12.62	8902 0.92 6.92 22.91	22049 2.27 17.15 15.40	128578 13.25
Other	1202 0.12 11.13 1.13	823 0.08 7.63 0.70	1548 0.16 14.34 0.69	371 0.04 3.44 0.48	339 0.03 3.14 1.36	618 0.06 5.72 0.60	1345 0.14 12.45 1.02	2516 0.26 23.31 6.48	2035 0.21 18.85 1.42	10798 1.11
TOTAL	106209 10.95	118071 12.17	225352 23.23	77946 8.03	24889 2.57	103749 10.69	131952 13.60	38859 4.01	143153 14.76	970180 100.00

*Includes only drivers 16 years or older.

TABLE B-21
 AVERAGE VEHICLE TRIP LENGTH BY TRIP PURPOSE AND
 OCCUPATION OF DRIVERS*
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

Main Purpose	Occupation										Un- employed TOTAL
	Managers	Profes- sional	Clerical	Service Workers	Farmers	Skilled Workers	Un- Skilled		Retired	Un- employed	
							Workers	Workers			
	Miles										
To or From Work	9.6	7.9	7.7	6.9	7.2	11.4	9.2	2.0	7.2	8.6	
Work Related Business	13.2	12.5	7.1	9.1	12.7	11.6	19.4	14.6	10.5	11.3	
Shopping	5.8	5.9	5.6	6.0	8.0	5.5	5.1	4.3	4.8	5.3	
Other Family or Personal Business	10.5	6.3	6.0	5.8	8.4	7.0	6.0	5.2	6.3	6.5	
Doctor/Dentist	6.6	9.1	11.5	6.1	32.0	3.6	10.1	13.4	9.1	9.8	
School/Church	5.2	6.6	6.1	4.4	6.8	5.7	5.1	5.5	5.4	5.5	
Vacation	415.3	87.2	89.2	65.0		62.5	28.9	23.3	**	113.0	
Visit Friends or Relatives	15.0	19.3	11.5	8.0	9.5	9.5	11.6	7.7	8.4	10.7	
Pleasure Driving	21.1	24.6	20.9	30.8	12.0	33.1	9.9	10.3	23.3	19.7	
Other Social or Recreational ¹	10.9	9.0	11.1	7.3	8.4	8.7	9.0	8.3	6.5	8.7	
Other	10.2	6.5	7.3	4.4	7.7	8.4	6.9	11.4	4.8	7.2	
Total	9.9	8.7	7.9	6.7	8.5	9.2	8.2	6.3	6.5	7.9	

*Includes only drivers 16 years or older.

**Sample too small to yield a reliable result.

TABLE E-22
COMPARISON OF PERCENT DISTRIBUTION OF VEHICLE TRIPS
AND VEHICLE MILES OF TRAVEL BY TRIP LENGTH
(1977 AND 1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

	Trips			Travel		
	1969	1977	1983	1969	1977	1983
5 and under	62.5	61.5	62.4	15.8	16.2	17.9
6-10	16.8	17.9	18.7	15.3	17.0	18.9
11-15	8.2	8.2	7.7	12.4	13.1	13.1
16-20	4.3	4.6	4.3	9.1	10.3	10.1
21-30	4.0	4.0	3.3	11.8	12.6	10.9
31-50	2.4	2.3	2.2	10.9	11.0	11.2
51-75	1.0*	0.7	0.7	7.7*	5.6	5.3
76-100	*	0.3	0.3	*	3.0	3.8
Over 100	0.8	0.5	0.4	17.0	11.2	8.8
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0

*1969 data includes 51-100.

TABLE E-23
DISTRIBUTION OF VEHICLE TRIPS BY MAJOR TRIP PURPOSE
AND URBANIZED AREA SIZE
(1983 TRAVEL DAY FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area Size						Not Urbaniz. 5,000 or more	Not Urbaniz. Under 5,000	TOTAL
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size			
Earning a Living	3891 3.07 9.96 29.56	5826 4.59 14.91 30.99	2887 2.27 7.39 31.16	6008 4.73 15.38 31.72	5679 4.47 14.53 32.58	551 0.43 1.41 31.52	3937 3.10 10.08 29.01	10294 8.11 26.35 30.29	39073 30.79
Civic, Educational, and Religious	1019 0.80 13.69 7.74	986 0.78 13.24 5.24	498 0.39 6.69 5.38	1110 0.87 14.91 5.86	999 0.79 13.42 5.73	139 0.11 1.87 7.97	879 0.69 11.80 6.48	1814 1.43 24.37 5.34	7444 5.87
Family and Personal Business	4765 3.76 9.51 36.20	7604 5.99 15.17 40.45	3542 2.79 7.07 38.24	7748 6.11 15.46 40.91	6715 5.29 13.40 38.53	671 0.53 1.34 38.38	5325 4.20 10.63 39.24	13740 10.83 27.42 40.43	50110 39.49
Social and Recreational	3410 2.69 11.91 25.90	4162 3.28 14.53 22.14	2222 1.75 7.76 23.99	3841 3.03 13.41 20.28	3693 2.91 12.89 21.19	364 0.29 1.27 20.80	3294 2.60 11.50 24.27	7656 6.03 26.73 22.53	28641 22.57
Other	79 0.06 4.90 0.60	221 0.17 13.67 1.18	113 0.09 6.98 1.22	232 0.18 14.32 1.22	337 0.27 20.84 1.94	23 0.02 1.44 1.33	136 0.11 8.41 1.00	477 0.38 29.45 1.40	1619 1.28
Unknown	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	5 0.00 55.27 0.03	0 0.00 0.00 0.00	0 0.00 0.00 0.00	4 0.00 44.73 0.01	9 0.01
TOTAL	13164 10.37	18799 14.81	9263 7.30	18938 14.92	17427 13.73	1749 1.38	13570 10.69	33985 26.78	126895 100.00

TABLE E-24
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MAJOR TRIP PURPOSE
AND URBANIZED AREA SIZE
(1983 TRAVEL DAY FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area Size						Not Urbaniz. 5,000 or more	Not Urbaniz. Under 5,000	TOTAL
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size			
Earning a Living	24401 2.43 7.08 27.68	43964 4.39 12.77 33.16	22341 2.23 6.49 33.07	58629 5.85 17.02 38.37	53696 5.36 15.59 39.35	5133 0.51 1.49 28.67	23971 2.39 6.96 28.12	112270 11.20 32.60 34.90	344405 34.36
Civic, Educational, and Religious	2882 0.29 7.03 3.27	4603 0.46 11.23 3.47	3325 0.33 8.11 4.92	5735 0.57 13.99 3.75	5808 0.58 14.17 4.26	957 0.10 2.34 5.35	4163 0.42 10.16 4.88	13517 1.35 32.98 4.20	40991 4.09
Family and Personal Business	26104 2.60 8.60 29.61	39411 3.93 12.98 29.72	19060 1.90 6.28 28.22	43059 4.30 14.18 28.18	36975 3.69 12.18 27.10	5474 0.55 1.80 30.58	24256 2.42 7.99 28.46	109256 10.90 35.99 33.96	303596 30.29
Social and Recreational	34523 3.44 11.44 39.16	43787 4.37 14.51 33.02	22370 2.23 7.41 33.12	42984 4.29 14.24 28.13	37930 3.78 12.57 27.80	6268 0.63 2.08 35.01	32153 3.21 10.65 37.72	81767 8.16 27.09 25.41	301781 30.10
Other	248 0.02 2.13 0.28	833 0.08 7.16 0.63	455 0.05 3.91 0.67	2398 0.24 20.61 1.57	2039 0.20 17.53 1.49	70 0.01 0.60 0.39	697 0.07 5.99 0.82	4896 0.49 42.08 1.52	11636 1.16
Unknown	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	21 0.00 100.00 0.01	21 0.00
TOTAL	88157 8.9	132599 13.23	67551 6.74	152805 15.24	136449 13.61	17902 1.79	85241 8.50	321727 32.09	1002430 100.00

TABLE E-25
DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE
AND HOUSEHOLD VEHICLE OWNERSHIP
(TRAVEL PERIOD TRIPS EXCLUDED)
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Number of Household Vehicles					TOTAL
	None	One	Two	Three	Four or more	
To or From Work	28 0.02 0.08 7.25	7290 5.81 20.67 23.48	14838 11.82 42.07 28.16	7886 6.28 22.36 31.98	5228 4.16 14.82 31.17	35270 28.09
Work Related Business	0 0.00 0.00 0.00	780 0.62 21.94 2.51	1694 1.35 47.66 3.22	641 0.51 18.03 2.60	440 0.35 12.37 2.62	3555 2.83
Shopping	106 0.08 0.42 27.48	6933 5.52 27.55 22.33	10736 8.55 42.66 20.38	4465 3.56 17.74 18.11	2926 2.33 11.63 17.45	25166 20.04
Other Family or Personal Business	121 0.10 0.53 31.30	5942 4.73 25.84 19.14	9965 7.94 43.34 18.91	4122 3.28 17.93 16.72	2844 2.27 12.37 16.96	22995 18.32
Doctor/Dentist	5 0.00 0.31 1.19	343 0.27 23.04 1.11	696 0.55 46.72 1.32	297 0.24 19.91 1.20	149 0.12 10.01 0.89	1491 1.19
School/Church	38 0.03 0.51 9.80	1623 1.29 21.89 5.23	3041 2.42 41.02 5.77	1506 1.20 20.31 6.11	1206 0.96 16.27 7.19	7415 5.91
Vacation	0 0.00 0.00 0.00	43 0.03 28.60 0.14	73 0.06 49.09 0.14	24 0.02 15.91 0.10	10 0.01 6.40 0.06	149 0.12
Visit Friends or Relatives	53 0.04 0.43 13.73	3613 2.88 29.47 11.64	4674 3.72 38.11 8.87	2253 1.79 18.38 9.14	1669 1.33 13.61 9.95	12262 9.77
Pleasure Driving	0 0.00 0.00 0.00	112 0.09 26.21 0.36	120 0.10 28.20 0.23	88 0.07 20.70 0.36	106 0.08 24.90 0.63	427 0.34
Other Social or Recreational	29 0.02 0.19 7.53	3929 3.13 25.78 12.66	6164 4.91 40.44 11.70	3133 2.50 20.55 12.70	1988 1.58 13.04 11.05	15243 12.14
Other	7 0.01 0.42 1.72	436 0.35 27.71 1.41	684 0.55 43.47 1.30	243 0.19 15.44 0.99	204 0.16 12.96 1.22	1574 1.25
TOTAL	387 0.31	31045. 24.73	52686 41.97	24658 19.64	16769 13.36	125545 100.00

TABLE E-26
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND HOUSEHOLD VEHICLE OWNERSHIP
(TRAVEL PERIOD TRIPS EXCLUDED)
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Number of Household Vehicles					TOTAL
	None	One	Two	Three	Four or more	
To or From Work	185 0.02 0.06 11.01	54376 6.01 18.40 26.52	125540 13.88 42.47 33.08	70664 7.81 23.91 38.08	44815 4.96 15.16 33.81	295581 32.69
Work Related Business	0 0.00 0.00 0.00	8273 0.91 23.62 4.03	15304 1.69 43.69 4.03	6731 0.74 19.22 3.63	4719 0.52 13.47 3.56	35028 3.87
Shopping	224 0.02 0.18 13.32	27596 3.05 22.31 13.46	52846 5.84 42.72 13.93	23865 2.64 19.29 12.86	19179 2.12 15.50 14.47	123709 13.68
Other Family or Personal Business	441 0.05 0.33 26.18	35965 3.98 26.67 17.54	55197 6.10 40.94 14.55	25155 2.78 18.66 13.56	18076 2.00 13.41 13.64	134833 14.91
Doctor/Dentist	55 0.01 0.40 3.29	2897 0.32 20.82 1.41	6294 0.70 45.22 1.66	3186 0.35 22.89 1.72	1485 0.16 10.67 1.12	13916 1.54
School/Church	168 0.02 0.43 10.00	8180 0.90 21.04 3.99	15440 1.71 39.71 4.07	8164 0.90 21.00 4.40	6931 0.77 17.82 5.23	38883 4.30
Vacation	0 0.00 0.00 0.00	3443 0.38 22.41 1.68	9898 1.09 64.42 2.61	1008 0.11 6.56 0.54	1017 0.11 6.62 0.77	15366 1.70
Visit Friends or Relatives	264 0.03 0.23 15.70	32308 3.57 28.11 15.76	46678 5.16 40.62 12.30	19743 2.18 17.18 10.64	15930 1.76 13.86 12.02	114923 12.71
Pleasure Driving	0 0.00 0.00 0.00	1963 0.22 22.63 0.96	3268 0.36 37.67 0.86	1765 0.20 20.34 0.95	1679 0.19 19.35 1.27	8675 0.96
Other Social or Recreational	312 0.03 0.27 18.53	27738 3.07 24.19 13.53	44638 4.94 38.92 11.76	24018 2.66 20.94 12.94	17986 1.99 15.68 13.57	114692 12.68
Other	33 0.00 0.38 1.98	2325 0.26 26.70 1.13	4349 0.48 49.93 1.15	1265 0.14 14.53 0.68	737 0.08 8.46 0.56	8709 0.96
TOTAL	1683 0.19	205064 22.68	379451 41.96	185562 20.52	132554 14.66	904315 100.00

TABLE E-27
 AVERAGE VEHICLE TRIP LENGTH BY MAJOR TRIP PURPOSE
 AND URBANIZED AREA SIZE
 (1983 TRAVEL DAY FILE - WEIGHTED)

	Urbanized Area Size						Total		
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No Rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size		Not Urbanized 5,000 or more	Not Urbanized Under 5,000
Earning a Living	6.3	7.5	7.7	9.8	9.5	9.3	6.1	10.9	8.8
Family/Personal Business	5.5	5.2	5.4	5.6	5.5	8.2	4.6	8.0	6.1
Civic/Educational/Religious	2.8	4.7	6.7	5.2	5.8	6.9	4.7	7.5	5.5
Social/Recreational	10.1	10.5	10.1	11.2	10.3	17.2	9.8	10.7	10.5
Other	3.1	3.8	4.0	10.3	6.0	3.0	5.1	10.3	7.2
Unknown	0.0	.	.	5.0	2.2
Total	6.7	7.1	7.3	8.1	7.8	10.2	6.3	9.5	7.9

TABLE E-28
DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE AND INSIDE/OUTSIDE
URBANIZED AREA
(1983 TRAVEL DAY FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area		TOTAL
	Inside Urbanized Area	Outside Urbanized Area	
Earning a Living	24836 19.58 63.58 31.31	14230 11.22 36.42 29.93	39066 30.79
Civic, Educational, and Religious	4751 3.74 63.82 5.99	2693 2.12 36.18 5.66	7444 5.87
Family and Personal Business	31039 24.46 61.95 39.13	19063 15.03 38.05 40.09	50102 39.49
Social and Recreational	17687 13.94 61.77 22.30	10948 8.63 38.23 23.02	28635 22.57
Other	1006 0.79 62.14 1.27	613 0.48 37.86 1.29	1619 1.28
Unknown	5 0.00 55.27 0.01	4 0.00 44.73 0.01	9 0.01
TOTAL	79324 62.52	47551 37.48	126874 100.00

TABLE E-29
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND INSIDE/OUTSIDE URBANIZED AREA
(1983 TRAVEL DAY FILE - WEIGHTED IN THOUSANDS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area		TOTAL
	Inside Urbanized Area	Outside Urbanized Area	
Earning a Living	208076 20.76 60.43 34.96	136226 13.59 39.57 33.48	344302 34.36
Civic, Educational, and Religious	23309 2.33 56.87 3.92	17680 1.76 43.13 4.34	40989 4.09
Family and Personal Business	169994 16.96 56.01 28.56	133490 13.32 43.99 32.81	303484 30.28
Social and Recreational	187802 18.74 62.25 31.55	113907 11.37 37.75 27.99	301710 30.11
Other	6043 0.60 51.93 1.02	5593 0.56 48.07 1.37	11636 1.16
Unknown	0 0.00 0.00 0.00	21 0.00 100.00 0.01	21 0.00
TOTAL	595224 59.40	406918 40.60	1002141 100.00

TABLE E-30
AVERAGE VEHICLE TRIP LENGTH BY TRIP PURPOSE AND INSIDE/OUTSIDE URBANIZED AREA
(1983 TRAVEL DAY FILE - WEIGHTED)

<u>Main Purpose</u>	<u>Inside Urbanized Area</u>	<u>Outside Urbanized Area</u>	<u>Total</u>
Earning a Living	8.4	9.6	8.8
Family/Personal Business	5.5	7.0	6.1
Civic/Educational/Religious	4.9	6.6	5.5
Social/Recreational	10.6	10.4	10.5
Other	6.0	9.1	7.2
Unknown	0.0	5.0	2.2
Total	7.5	8.6	7.9

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TABLE E-32
DISTRIBUTION OF VEHICLE TRIPS BY MODE OF TRANSPORTATION
AND TRIP DISTANCE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Trip Distance						TOTAL
	5 and Under	6-10	11-15	16-20	21-30	Over 30	
Auto	60128 47.39 62.95 75.88	17764 14.00 18.60 75.01	7313 5.76 7.66 74.70	4108 3.24 4.30 75.77	3020 2.38 3.16 71.81	3184 2.51 3.33 70.13	95518 75.28
Station Wagon	7236 5.70 66.36 9.13	1926 1.52 17.66 8.13	704 0.55 6.45 7.19	287 0.23 2.64 5.30	395 0.31 3.63 9.40	356 0.28 3.26 7.84	10903 8.59
Passenger Van	1682 1.33 60.39 2.12	557 0.44 19.98 2.35	247 0.19 8.85 2.52	62 0.05 2.24 1.15	143 0.11 5.13 3.40	95 0.07 3.41 2.09	2785 2.20
Other Van	652 0.51 59.52 0.82	181 0.14 16.48 0.76	150 0.12 13.72 1.53	75 0.06 6.89 1.39	20 0.02 1.84 0.48	17 0.01 1.55 0.37	1095 0.86
Pickup Truck	7881 6.21 57.03 9.95	2773 2.19 20.06 11.71	1203 0.95 8.70 12.28	715 0.56 5.17 13.18	503 0.40 3.64 11.96	746 0.59 5.40 16.43	13820 10.89
Pickup With Camper	629 0.50 61.98 0.79	179 0.14 17.59 0.75	56 0.04 5.53 0.57	77 0.06 7.56 1.42	32 0.03 3.13 0.76	43 0.03 4.19 0.94	1015 0.80
Other Truck	513 0.40 61.11 0.65	113 0.09 13.47 0.48	59 0.05 7.04 0.60	41 0.03 4.90 0.76	24 0.02 2.81 0.56	90 0.07 10.67 1.97	840 0.66
Motorized Camper	8 0.01 100.00 0.01	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01
Motorcycle	360 0.28 52.89 0.45	164 0.13 24.11 0.69	50 0.04 7.41 0.51	47 0.04 6.88 0.86	49 0.04 7.19 1.16	10 0.01 1.52 0.23	680 0.54
Motorized Bicycle	117 0.09 84.35 0.15	11 0.01 7.77 0.05	0 0.00 0.00 0.00	0 0.00 0.00 0.00	11 0.01 7.88 0.26	0 0.00 0.00 0.00	139 0.11
Other (POV)	33 0.03 43.49 0.04	17 0.01 21.85 0.07	9 0.01 11.46 0.09	9 0.01 11.88 0.17	9 0.01 11.32 0.20	0 0.00 0.00 0.00	76 0.06
TOTAL	79239 62.45	23683 18.67	9790 7.72	5422 4.27	4206 3.31	4540 3.58	126880 100.00

TABLE E-33
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION
AND TRIP DISTANCE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Trip Distance						TOTAL
	5 and Under	6-10	11-15	16-20	21-30	Over 30	
Auto	136150 13.58 18.33 76.03	141779 14.15 19.09 74.81	98319 9.81 13.24 74.65	76585 7.64 10.31 75.63	78233 7.81 10.53 71.89	211579 21.11 28.49 72.49	742644 74.10
Station Wagon	15691 1.57 19.13 8.76	15647 1.56 19.07 8.26	9496 0.95 11.57 7.21	5359 0.53 6.53 5.29	9992 1.00 12.18 9.18	25852 2.58 31.51 8.86	82037 8.19
Passenger Van	3890 0.39 18.17 2.17	4503 0.45 21.03 2.38	3330 0.33 15.55 2.53	1142 0.11 5.33 1.13	3704 0.37 17.30 3.40	4845 0.48 22.63 1.66	21414 2.14
Other Van	1451 0.14 18.58 0.81	1392 0.14 17.83 0.73	2059 0.21 26.36 1.56	1379 0.14 17.65 1.36	531 0.05 6.80 0.49	998 0.10 12.78 0.34	7811 0.78
Pickup Truck	18172 1.81 14.85 10.15	22275 2.22 18.20 11.75	16115 1.61 13.17 12.24	13490 1.35 11.02 13.32	13072 1.30 10.68 12.01	39275 3.92 32.09 13.46	122399 12.21
Pickup With Camper	1463 0.15 17.58 0.82	1420 0.14 17.07 0.75	783 0.08 9.41 0.59	1398 0.14 16.81 1.38	865 0.09 10.40 0.80	2391 0.24 28.74 0.82	8319 0.83
Other Truck	1139 0.11 11.08 0.64	924 0.09 8.99 0.49	787 0.08 7.66 0.60	823 0.08 8.01 0.81	707 0.07 6.89 0.65	5894 0.59 57.37 2.02	10274 1.03
Motorized Camper	8 0.00 100.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.00
Motorcycle	850 0.08 13.99 0.47	1333 0.13 21.95 0.70	712 0.07 11.73 0.54	904 0.09 14.89 0.89	1246 0.12 20.52 1.15	1029 0.10 16.93 0.35	6075 0.61
Motorized Bicycle	185 0.02 34.60 0.10	97 0.01 18.20 0.05	0 0.00 0.00 0.00	0 0.00 0.00 0.00	252 0.03 47.20 0.23	0 0.00 0.00 0.00	534 0.05
Other (POV)	85 0.01 11.60 0.05	148 0.01 20.18 0.08	105 0.01 14.26 0.08	181 0.02 24.63 0.18	215 0.02 29.34 0.20	0 0.00 0.00 0.00	733 0.07
TOTAL	179083 17.87	189518 18.91	131706 13.14	101260 10.10	108819 10.86	291862 29.12	1002248 100.00

TABLE E-34
DISTRIBUTION OF VEHICLE TRIPS BY MODE OF TRANSPORTATION
AND TRIP PURPOSE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Main Purpose						TOTAL
	To or From Work	Work Related Business	Shopping	Other Personal or Family Business	Doctor/ Dentist	School/ Church	
Auto	25731 20.28 26.94 72.74	2480 1.95 2.60 67.09	19797 15.60 20.73 78.07	17035 13.43 17.83 73.29	1184 0.93 1.24 78.68	5920 4.67 6.20 79.54	95511 75.28
Station Wagon	2253 1.78 20.66 6.37	321 0.25 2.95 8.70	2372 1.87 21.75 9.35	2355 1.86 21.60 10.13	185 0.15 1.70 12.29	858 0.68 7.86 11.52	10904 8.59
Passenger Van	837 0.66 30.05 2.37	162 0.13 5.81 4.38	463 0.36 16.61 1.82	618 0.49 22.18 2.66	28 0.02 1.00 1.85	110 0.09 3.96 1.48	2785 2.20
Other Van	467 0.37 42.61 1.32	38 0.03 3.48 1.03	145 0.11 13.20 0.57	253 0.20 23.09 1.09	9 0.01 0.83 0.60	17 0.01 1.57 0.23	1095 0.86
Pickup Truck	5191 4.09 37.56 14.68	573 0.45 4.15 15.51	2115 1.67 15.30 8.34	2531 1.99 18.31 10.89	79 0.06 0.57 5.27	444 0.35 3.21 5.96	13821 10.89
Pickup With Camper	316 0.25 31.08 0.89	0 0.00 0.00 0.00	228 0.18 22.47 0.90	196 0.15 19.30 0.84	15 0.01 1.47 0.99	0 0.00 0.00 0.00	1015 0.80
Other Truck	268 0.21 31.94 0.76	84 0.07 10.02 2.28	101 0.08 12.04 0.40	187 0.15 22.29 0.81	5 0.00 0.55 0.31	49 0.04 5.83 0.66	840 0.66
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01
Motorcycle	264 0.21 38.86 0.75	9 0.01 1.36 0.25	100 0.08 14.75 0.40	67 0.05 9.82 0.29	0 0.00 0.00 0.00	45 0.04 6.69 0.61	680 0.54
Motorized Bicycle	11 0.01 7.88 0.03	15 0.01 11.02 0.41	34 0.03 24.24 0.13	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	139 0.11
Other (POV)	34 0.03 44.72 0.10	13 0.01 17.19 0.35	5 0.00 6.80 0.02	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	76 0.06
TOTAL	35372 27.88	3696 2.91	25360 19.99	23242 18.32	1505 1.19	7443 5.87	126875 100.00

TABLE E-34 (CONTINUED)
 DISTRIBUTION OF VEHICLE TRIPS BY MODE OF TRANSPORTATION
 AND TRIP PURPOSE
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Main Purpose					TOTAL
	Vacation	Visit Friends/ Relative	Pleasure Driving	Other Social/ Recrea- tional	Other	
Auto	154 0.12 0.16 82.24	9608 7.57 10.06 76.62	344 0.27 0.36 69.47	12138 9.57 12.71 78.75	1118 0.88 1.17 69.07	95511 75.28
Station Wagon	13 0.01 0.12 6.97	947 0.75 8.69 7.55	41 0.03 0.37 8.21	1373 1.08 12.59 8.91	186 0.15 1.71 11.50	10904 8.59
Passenger Van	8 0.01 0.27 4.07	270 0.21 9.70 2.16	0 0.00 0.00 0.00	252 0.20 9.03 1.63	39 0.03 1.38 2.38	2785 2.20
Other Van	0 0.00 0.00 0.00	91 0.07 8.27 0.72	0 0.00 0.00 0.00	63 0.05 5.78 0.41	13 0.01 1.17 0.79	1095 0.86
Pickup Truck	8 0.01 0.06 4.24	1310 1.03 9.48 10.44	24 0.02 0.17 4.76	1318 1.04 9.53 8.55	228 0.18 1.65 14.10	13821 10.89
Pickup With Camper	0 0.00 0.00 0.00	143 0.11 14.05 1.14	0 0.00 0.00 0.00	101 0.08 9.98 0.66	17 0.01 1.65 1.03	1015 0.80
Other Truck	5 0.00 0.55 2.48	70 0.06 8.32 0.56	7 0.01 0.82 1.39	52 0.04 6.14 0.33	13 0.01 1.49 0.77	840 0.66
Motorized Camper	0 0.00 0.00 0.00	8 0.01 100.00 0.06	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01
Motorcycle	0 0.00 0.00 0.00	46 0.04 6.76 0.37	76 0.06 11.14 15.29	67 0.05 9.79 0.43	6 0.00 0.84 0.35	680 0.54
Motorized Bicycle	0 0.00 0.00 0.00	38 0.03 27.44 0.30	0 0.00 0.00 0.00	41 0.03 29.42 0.27	0 0.00 0.00 0.00	139 0.11
Other (POV)	0 0.00 0.00 0.00	10 0.01 13.61 0.08	4 0.00 5.73 0.88	9 0.01 11.96 0.06	0 0.00 0.00 0.00	76 0.06
TOTAL	187 0.15	12541 9.88	495 0.39	15414 12.15	1619 1.28	126875 100.00

TABLE E-35
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION
AND TRIP PURPOSE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Main Purpose						TOTAL
	To or From Work	Work Related Business	Shopping	Other Personal or Family Business	Doctor/ Dentist	School/ Church	
Auto	215214 21.47 28.98 71.24	28768 2.87 3.87 68.13	101245 10.10 13.63 75.68	106632 10.64 14.36 68.75	11464 1.14 1.54 78.15	34250 3.42 4.61 83.56	742658 74.10
Station Wagon	17395 1.74 21.20 5.76	3086 0.31 3.76 7.31	14465 1.44 17.63 10.81	17712 1.77 21.59 11.42	1766 0.18 2.15 12.04	3563 0.36 4.34 8.69	82038 8.19
Passenger Van	7211 0.72 33.68 2.39	1641 0.16 7.67 3.89	2338 0.23 10.92 1.75	2906 0.29 13.57 1.87	194 0.02 0.91 1.32	1020 0.10 4.77 2.49	21414 2.14
Other Van	3654 0.36 46.78 1.21	389 0.04 4.98 0.92	502 0.05 6.42 0.38	1469 0.15 18.80 0.95	54 0.01 0.70 0.37	6 0.00 0.08 0.01	7811 0.78
Pickup Truck	48607 4.85 39.71 16.09	6273 0.63 5.12 14.86	12792 1.28 10.45 9.56	22145 2.21 18.09 14.28	995 0.10 0.81 6.78	1868 0.19 1.53 4.56	122400 12.21
Pickup With Camper	2651 0.26 31.87 0.88	0 0.00 0.00 0.00	1193 0.12 14.35 0.89	2081 0.21 25.01 1.34	173 0.02 2.08 1.18	0 0.00 0.00 0.00	8319 0.83
Other Truck	4351 0.43 42.35 1.44	1940 0.19 18.88 4.59	572 0.06 5.57 0.43	1841 0.18 17.92 1.19	23 0.00 0.23 0.16	142 0.01 1.38 0.35	10274 1.03
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.00
Motorcycle	2294 0.23 37.77 0.76	19 0.00 0.30 0.04	593 0.06 9.76 0.44	312 0.03 5.14 0.20	0 0.00 0.00 0.00	140 0.01 2.31 0.34	6075 0.61
Motorized Bicycle	252 0.03 47.20 0.08	20 0.00 3.82 0.05	67 0.01 12.62 0.05	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	534 0.05
Other (POV)	480 0.05 65.43 0.16	87 0.01 11.88 0.21	21 0.00 2.82 0.02	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	733 0.07
TOTAL	302109 30.14	42223 4.21	133788 13.35	155098 15.47	14669 1.46	40990 4.09	1002262 100.00

TABLE E-35 (CONTINUED)
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION
AND TRIP PURPOSE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Main Purpose					TOTAL
	Vacation	Visit Friends/ Relative	Pleasure Driving	Other Social/ Recrea- tional	Other	
Auto	19226 1.92 2.59 90.19	108295 10.80 14.58 79.76	7506 0.75 1.01 66.70	100940 10.07 13.59 75.67	9118 0.91 1.23 78.36	742658 74.10
Station Wagon	402 0.04 0.49 1.89	9408 0.94 11.47 6.93	1708 0.17 2.08 15.18	11813 1.18 14.40 8.86	720 0.07 0.88 6.19	82038 8.19
Passenger Van	1121 0.11 5.23 5.26	2520 0.25 11.77 1.86	0 0.00 0.00 0.00	2070 0.21 9.67 1.55	392 0.04 1.83 3.37	21414 2.14
Other Van	0 0.00 0.00 0.00	1029 0.10 13.17 0.76	0 0.00 0.00 0.00	642 0.06 8.22 0.48	67 0.01 0.86 0.58	7811 0.78
Pickup Truck	290 0.03 0.24 1.36	12298 1.23 10.05 9.06	412 0.04 0.34 3.66	15481 1.54 12.65 11.61	1239 0.12 1.01 10.65	122400 12.21
Pickup With Camper	0 0.00 0.00 0.00	1300 0.13 15.63 0.96	0 0.00 0.00 0.00	876 0.09 10.53 0.66	45 0.00 0.54 0.39	8319 0.83
Other Truck	278 0.03 2.71 1.31	556 0.06 5.41 0.41	41 0.00 0.40 0.37	491 0.05 4.77 0.37	38 0.00 0.37 0.32	10274 1.03
Motorized Camper	0 0.00 0.00 0.00	8 0.00 100.00 0.01	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.00
Motorcycle	0 0.00 0.00 0.00	210 0.02 3.45 0.15	1534 0.15 25.25 13.63	956 0.10 15.74 0.72	17 0.00 0.28 0.15	6075 0.61
Motorized Bicycle	0 0.00 0.00 0.00	139 0.01 25.96 0.10	0 0.00 0.00 0.00	55 0.01 10.39 0.04	0 0.00 0.00 0.00	534 0.05
Other (POV)	0 0.00 0.00 0.00	21 0.00 2.82 0.02	52 0.01 7.13 0.46	73 0.01 9.92 0.05	0 0.00 0.00 0.00	733 0.07
TOTAL	21317 2.13	135784 13.55	11253 1.12	133395 13.31	11636 1.16	1002262 100.00

TABLE E-36
DISTRIBUTION OF VEHICLE TRIPS BY MODE OF TRANSPORTATION
AND URBANIZED AREA SIZE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area Size						Not Urbaniz. 5,000 or more	Not Urbaniz. Under 5,000	TOTAL
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size			
Auto	10448 8.23 10.94 79.38	14618 11.52 15.30 77.77	7054 5.56 7.38 76.16	14738 11.62 15.43 77.83	14438 11.38 15.12 82.86	1422 1.12 1.49 81.30	10291 8.11 10.77 75.85	22512 17.74 23.57 66.24	95520 75.28
Station Wagon	1336 1.05 12.25 10.15	1448 1.14 13.28 7.70	903 0.71 8.28 9.75	1799 1.42 16.49 9.50	1872 1.48 17.17 10.75	118 0.09 1.08 6.74	745 0.59 6.83 5.49	2684 2.11 24.61 7.90	10904 8.59
Passenger Van	266 0.21 9.55 2.02	578 0.46 20.75 3.08	156 0.12 5.60 1.68	454 0.36 16.30 2.40	240 0.19 8.60 1.37	91 0.07 3.27 5.21	143 0.11 5.13 1.05	858 0.68 30.80 2.52	2785 2.20
Other Van	105 0.08 9.59 0.80	240 0.19 21.87 1.27	196 0.15 17.92 2.12	174 0.14 15.93 0.92	109 0.09 9.95 0.63	0 0.00 0.00 0.00	74 0.06 6.72 0.54	197 0.16 18.02 0.58	1095 0.86
Pickup Truck	717 0.57 5.19 5.45	1489 1.17 10.77 7.92	703 0.55 5.09 7.59	1443 1.14 10.44 7.62	686 0.54 4.97 3.94	90 0.07 0.65 5.17	1908 1.50 13.80 14.06	6784 5.35 49.09 19.96	13820 10.89
Pickup With Camper	104 0.08 10.20 0.79	183 0.14 18.02 0.97	112 0.09 11.00 1.21	118 0.09 11.65 0.62	11 0.01 1.07 0.06	28 0.02 2.71 1.58	125 0.10 12.29 0.92	336 0.26 33.07 0.99	1015 0.80
Other Truck	53 0.04 6.28 0.40	143 0.11 17.00 0.76	67 0.05 7.99 0.72	25 0.02 3.04 0.13	15 0.01 1.80 0.09	0 0.00 0.00 0.00	181 0.14 21.53 1.33	356 0.28 42.37 1.05	840 0.66
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01 100.00 0.06	0 0.00 0.00 0.00	8 0.01
Motorcycle	92 0.07 13.59 0.70	77 0.06 11.27 0.41	71 0.06 10.37 0.76	185 0.15 27.19 0.98	43 0.03 6.28 0.25	0 0.00 0.00 0.00	56 0.04 8.23 0.41	157 0.12 23.07 0.46	680 0.54
Motorized Bicycle	42 0.03 29.95 0.32	22 0.02 15.54 0.11	0 0.00 0.00 0.00	0 0.00 0.00 0.00	11 0.01 7.88 0.06	0 0.00 0.00 0.00	23 0.02 16.79 0.17	41 0.03 29.84 0.12	139 0.11
Other (POV)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	16 0.01 20.41 0.11	60 0.05 79.59 0.18	76 0.06
TOTAL	13162 10.37	18797 14.81	9262 7.30	18936 14.92	17425 13.73	1749 1.38	13568 10.69	33984 26.78	126884 100.00

TABLE E-37
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION
AND URBANIZED AREA SIZE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area Size							Not Urban, 5,000	Not Urban Under 5,000	TOTAL
	50,000 to 199,999	200,000 to 749,999	750,000 to 1,249,999	No rail, 1,250,000	Rail, 2,250,000+	Unknown Size				
Auto	68828 6.87 9.27 78.08	100284 10.01 13.50 75.64	50063 4.99 6.74 74.11	119173 11.89 16.05 78.01	108313 10.81 14.58 79.40	14986 1.50 2.02 83.71	64944 6.48 8.74 76.19	216124 21.56 29.10 67.18	742714 74.10	
Station Wagon	6785 0.68 8.27 7.70	8530 0.85 10.40 6.43	9181 0.92 11.19 13.59	12513 1.25 15.25 8.19	16590 1.66 20.22 12.16	865 0.09 1.05 4.83	4218 0.42 5.14 4.95	23356 2.33 28.47 7.26	82038 8.18	
Passenger Van	1824 0.18 8.52 2.07	4340 0.43 20.27 3.27	946 0.09 4.42 1.40	3273 0.33 15.29 2.14	2981 0.30 13.92 2.18	694 0.07 3.24 3.88	1249 0.12 5.83 1.46	6106 0.61 28.52 1.90	21414 2.14	
Other Van	580 0.06 7.43 0.66	1361 0.14 17.43 1.03	784 0.08 10.03 1.16	1748 0.17 22.38 1.14	937 0.09 11.99 0.69	0 0.00 0.00 0.00	586 0.06 7.50 0.69	1816 0.18 23.25 0.56	7811 0.78	
Pickup Truck	6705 0.67 5.48 7.61	13664 1.36 11.16 10.31	5006 0.50 4.09 7.41	13299 1.33 10.87 8.71	6739 0.67 5.51 4.94	494 0.05 0.40 2.76	12394 1.24 10.13 14.54	64097 6.39 52.37 19.92	122400 12.21	
Pickup With Camper	1707 0.17 20.52 1.94	803 0.08 9.65 0.61	748 0.07 9.00 1.11	545 0.05 6.55 0.36	119 0.01 1.43 0.09	862 0.09 10.36 4.82	841 0.08 10.11 0.99	2694 0.27 32.38 0.84	8319 0.83	
Other Truck	333 0.03 3.24 0.38	2831 0.28 27.55 2.14	265 0.03 2.58 0.39	264 0.03 2.57 0.17	101 0.01 0.98 0.07	0 0.00 0.00 0.00	784 0.08 7.63 0.92	5696 0.57 55.44 1.77	10274 1.02	
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.00 100.00 0.01	0 0.00 0.00 0.00	8 0.00	
Motorcycle	1358 0.14 22.35 1.54	640 0.06 10.54 0.48	558 0.06 9.19 0.83	1955 0.20 32.19 1.28	391 0.04 6.43 0.29	0 0.00 0.00 0.00	139 0.01 2.29 0.16	1034 0.10 17.02 0.32	6075 0.61	
Motorized Bicycle	33 0.00 6.21 0.04	119 0.01 22.25 0.09	0 0.00 0.00 0.00	0 0.00 0.00 0.00	252 0.03 47.20 0.18	0 0.00 0.00 0.00	37 0.00 6.99 0.04	93 0.01 17.35 0.03	534 0.05	
Other (POV)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	41 0.00 5.64 0.05	692 0.07 94.36 0.21	733 0.07	
TOTAL	88154 8.79	132572 13.23	67550 6.74	152770 15.24	136421 13.61	17902 1.79	85240 8.50	321708 32.10	1002318 100.00	

TABLE E-38
DISTRIBUTION OF VEHICLE TRIPS BY INCOME
AND URBANIZED AREA SIZE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area Size						Not Urbaniz. 5,000 or more	Not Urbaniz. Under 5,000	TOTAL
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size			
UNDER \$10,000	2142	2390	1009	1741	1097	209	2400	4198	15185
	1.69	1.88	0.80	1.37	0.86	0.16	1.89	3.31	11.97
	14.10	15.74	6.64	11.47	7.22	1.38	15.80	27.64	
	16.27	12.71	10.89	9.19	6.29	11.96	17.68	12.35	
\$10,000 - 19,999	3219	4608	2627	4038	2954	381	4363	9486	31676
	2.54	3.63	2.07	3.18	2.33	0.30	3.44	7.47	24.96
	10.16	14.55	8.29	12.75	9.33	1.20	13.77	29.95	
	24.45	24.51	28.37	21.32	16.95	21.79	32.15	27.91	
\$20,000 - 29,999	3185	4748	2402	4439	3999	643	3511	8636	31562
	2.51	3.74	1.89	3.50	3.15	0.51	2.77	6.81	24.87
	10.09	15.04	7.61	14.06	12.67	2.04	11.12	27.36	
	24.19	25.25	25.93	23.44	22.94	36.75	25.87	25.41	
\$30,000 - 39,999	1706	3318	1585	3505	3151	359	1607	5774	21005
	1.34	2.61	1.25	2.76	2.48	0.28	1.27	4.55	16.55
	8.12	15.79	7.55	16.69	15.00	1.71	7.65	27.49	
	12.96	17.65	17.11	18.51	18.08	20.56	11.84	16.99	
\$40,000 OR MORE	2913	3738	1639	5217	6228	156	1690	5893	27474
	2.30	2.95	1.29	4.11	4.91	0.12	1.33	4.64	21.65
	10.60	13.60	5.97	18.99	22.67	0.57	6.15	21.45	
	22.13	19.88	17.70	27.54	35.73	8.94	12.45	17.34	
TOTAL	13164	18800	9263	18940	17428	1749	13570	33987	126902
	10.37	14.81	7.30	7.4.92	13.73	1.38	10.69	26.78	100.00

TABLE E-39
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY INCOME
AND URBANIZED AREA SIZE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Urbanized Area Size						Not Urbaniz. 5,000 or more	Not Urbaniz. Under 5,000	TOTAL
	50,000 to 199,999	200,000 to 749,999	750,000 to 1.25 MIL	No rail, 1.25 MIL or more	Rail, 1.25 MIL or more	Unknown Size			
UNDER \$10,000	11832 1.18 11.38 13.42	14096 1.41 13.55 10.63	5947 0.59 5.72 8.80	12667 1.26 12.18 8.29	7379 0.74 7.10 5.41	1110 0.11 1.07 6.20	14758 1.47 14.19 17.31	36209 3.61 34.82 11.25	103998 10.37
\$10,000 - 19,999	26230 2.62 10.87 29.75	28478 2.84 11.80 21.48	17449 1.74 7.23 25.83	28021 2.80 11.61 18.34	20551 2.05 8.51 15.06	5195 0.52 2.15 29.02	26915 2.68 11.15 31.58	88533 8.83 36.68 27.52	241372 24.08
\$20,000 - 29,999	21338 2.13 8.58 24.20	32416 3.23 13.03 24.45	16081 1.60 6.46 23.81	35420 3.53 14.24 23.18	35322 3.52 14.20 25.89	6901 0.69 2.77 38.55	20787 2.07 8.36 24.39	80521 8.03 32.37 25.03	248784 24.82
\$30,000 - 39,999	10631 1.06 5.88 12.06	28659 2.86 15.86 21.61	12113 1.21 6.70 17.93	31867 3.18 17.64 20.85	26023 2.60 14.40 19.07	3037 0.30 1.68 16.96	10746 1.07 5.95 12.61	57591 5.74 31.88 17.90	180666 18.02
\$40,000 OR MORE	18126 1.81 7.96 20.56	28951 2.89 12.72 21.83	15961 1.59 7.01 23.63	44830 4.47 19.69 29.34	47174 4.71 20.72 34.57	1660 0.17 0.73 9.27	12034 1.20 5.29 14.12	58904 5.88 25.88 18.31	227641 22.71
TOTAL	88157 8.79	132599 13.23	67551 6.74	152805 15.24	136449 13.61	17902 1.79	85241 8.50	321758 32.10	1002461 100.00

TABLE E-40
DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE
AND TRIP DISTANCE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Trip Distance						TOTAL
	5 and under	6-10	11-15	16-20	21-30	Over 30	
To or From Work	18601 14.66 52.58 23.48	7577 5.97 21.42 31.99	3937 3.10 11.13 40.21	2301 1.81 6.50 42.44	1774 1.40 5.02 42.19	1183 0.93 3.35 26.06	35374 27.88
Work Related Business	1974 1.56 53.40 2.49	613 0.48 16.59 2.59	395 0.31 10.68 4.03	214 0.17 5.79 3.95	189 0.15 5.12 4.50	311 0.25 8.42 6.86	3696 2.91
Shopping	18941 14.93 74.69 23.91	3693 2.91 14.56 15.59	1232 0.97 4.86 12.58	603 0.48 2.38 11.13	447 0.35 1.76 10.62	444 0.35 1.75 9.77	25360 19.99
Other Family or	16104 12.69 69.28 20.32	3875 3.05 16.67 16.36	1401 1.10 6.03 14.31	658 0.52 2.83 12.13	508 0.40 2.19 12.09	697 0.55 3.00 15.34	23243 18.32
Doctor/Dentist	596 0.47 39.59 0.75	541 0.43 35.96 2.28	157 0.12 10.47 1.61	79 0.06 5.26 1.46	58 0.05 3.88 1.39	73 0.06 4.84 1.60	1505 1.19
School/Church	5111 4.03 68.66 6.45	1578 1.24 21.20 6.66	429 0.34 5.76 4.38	126 0.10 1.69 2.32	90 0.07 1.21 2.13	110 0.09 1.48 2.43	7443 5.87
Vacation	22 0.02 11.61 0.03	22 0.02 11.78 0.09	2 0.00 1.17 0.02	3 0.00 1.60 0.06	5 0.00 2.80 0.12	133 0.10 71.04 2.93	187 0.15
Visit Friends or Relatives	7024 5.54 56.00 8.86	2469 1.95 19.68 10.42	1004 0.79 8.01 10.26	754 0.59 6.01 13.91	527 0.42 4.20 12.54	764 0.60 6.09 16.82	12542 9.88
Pleasure Driving	122 0.10 24.52 0.15	103 0.08 20.70 0.43	59 0.05 11.88 0.60	43 0.03 8.76 0.80	91 0.07 18.30 2.16	78 0.06 15.83 1.73	495 0.39
Other Social or Recreational	9631 7.59 62.48 12.16	2919 2.30 18.94 12.33	1092 0.86 7.09 11.16	591 0.47 3.83 10.90	494 0.39 3.21 11.75	686 0.54 4.45 15.10	15414 12.15
Other	1110 0.87 68.56 1.40	295 0.23 18.21 1.24	82 0.06 5.04 0.83	49 0.04 3.06 0.91	22 0.02 1.34 0.51	61 0.05 3.80 1.35	1619 1.28
TOTAL	79234 62.45	23686 18.67	9791 7.72	5422 4.27	4206 3.31	4540 3.58	126879 100.00

TABLE E-41
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND TRIP DISTANCE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Trip Distance						TOTAL
	5 and under	6-10	11-15	16-20	21-30	Over 30	
To or From Work	45643 4.55 15.10 25.47	60317 6.02 19.96 31.82	52666 5.25 17.43 39.98	42744 4.26 14.14 42.21	45395 4.53 15.02 41.72	55436 5.53 18.34 18.99	302201 30.15
Work Related Business	4494 0.45 10.64 2.51	4950 0.49 11.72 2.61	5543 0.55 13.13 4.21	4041 0.40 9.57 3.99	5048 0.50 11.96 4.64	18147 1.81 42.98 6.22	42224 4.21
Shopping	38805 3.87 29.00 21.65	29525 2.95 22.06 15.57	16586 1.65 12.39 12.59	11211 1.12 8.38 11.07	11465 1.14 8.57 10.54	26232 2.62 19.60 8.99	133823 13.35
Other Family or Personal Business	34451 3.44 22.21 19.22	30712 3.06 19.80 16.20	18759 1.87 12.09 14.24	12192 1.22 7.86 12.04	13335 1.33 8.60 12.25	45681 4.56 29.45 15.65	155130 15.47
Doctor/Dentist	1575 0.16 10.74 0.88	4287 0.43 29.22 2.26	2203 0.22 15.02 1.67	1543 0.15 10.52 1.52	1467 0.15 10.00 1.35	3594 0.36 24.50 1.23	14669 1.46
School/Church	11439 1.14 27.91 6.38	12699 1.27 30.98 6.70	5686 0.57 13.87 4.32	2485 0.25 6.06 2.45	2354 0.23 5.74 2.16	6327 0.63 15.44 2.17	40990 4.09
Vacation	64 0.01 0.30 0.04	211 0.02 0.99 0.11	33 0.00 0.15 0.02	54 0.01 0.25 0.05	136 0.01 0.64 0.13	20819 2.08 97.67 7.13	21317 2.13
Visit Friends or Relatives	16155 1.61 11.90 9.01	20223 2.02 14.89 10.67	13440 1.34 9.90 10.20	14032 1.40 10.33 13.86	13435 1.34 9.89 12.35	58516 5.84 43.09 20.05	135801 13.55
Pleasure Driving	414 0.04 3.68 0.23	867 0.09 7.70 0.46	870 0.09 7.73 0.66	868 0.09 7.71 0.86	2528 0.25 22.46 2.32	5706 0.57 50.71 1.96	11253 1.12
Other Social or Recreational	23714 2.37 17.77 13.23	23318 2.33 17.48 12.30	14891 1.49 11.16 11.31	11151 1.11 8.36 11.01	13052 1.30 9.78 11.99	47292 4.72 35.45 16.20	133418 13.31
Other	2455 0.24 21.10 1.37	2464 0.25 21.17 1.30	1043 0.10 8.97 0.79	943 0.09 8.10 0.93	606 0.06 5.21 0.56	4125 0.41 35.45 1.41	11636 1.16
TOTAL	179211 17.88	189571 18.91	131720 13.14	101264 10.10	108822 10.86	291874 29.12	1002462 100.00

TABLE E-42
DISTRIBUTION OF VEHICLE TRIPS BY NUMBER OF OCCUPANTS
AND TRIP PURPOSE
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Main Purpose											TOTAL
	To or From Work	Work Related Business	Shopping	Other Personal or Family Business	Doctor/Dentist	School/Church	Vacation	Visit Friends/Relative	Pleasure Driving	Other Social/Recreational	Other	
One	31019	2779	15641	14110	862	4155	35	6944	146	6775	908	83374
	24.45	2.19	12.33	11.12	0.68	3.27	0.03	5.47	0.11	5.34	0.72	65.71
	37.21	3.33	18.76	16.92	1.03	4.98	0.04	8.33	0.17	8.13	1.09	
	87.70	75.18	61.68	60.71	57.25	55.82	18.79	55.36	29.42	43.95	56.10	
Two	3129	694	6579	5621	468	1751	73	3288	172	5000	477	27253
	2.47	0.55	5.19	4.43	0.37	1.38	0.06	2.59	0.14	3.94	0.38	21.48
	11.48	2.55	24.14	20.62	1.72	6.43	0.27	12.06	0.63	18.35	1.75	
	8.85	18.78	25.94	24.18	31.12	23.53	39.14	26.22	34.72	32.44	29.47	
Three	818	176	1927	2231	126	780	32	1206	61	1906	145	9410
	0.64	0.14	1.52	1.76	0.10	0.61	0.03	0.95	0.05	1.50	0.11	7.42
	8.69	1.87	20.48	23.71	1.34	8.29	0.35	12.82	0.65	20.26	1.54	
	2.31	4.77	7.60	9.60	8.38	10.48	17.36	9.62	12.35	12.37	8.96	
Four	233	42	713	811	43	472	44	726	67	1067	60	4278
	0.18	0.03	0.56	0.64	0.03	0.37	0.03	0.57	0.05	0.84	0.05	3.37
	5.44	0.98	16.67	18.96	1.00	11.03	1.03	16.96	1.57	24.94	1.40	
	0.66	1.14	2.81	3.49	2.85	6.34	23.43	5.79	13.60	6.92	3.71	
Five	61	5	330	290	6	131	2	274	20	376	5	1500
	0.05	0.00	0.26	0.23	0.00	0.10	0.00	0.22	0.02	0.30	0.00	1.18
	4.08	0.32	21.99	19.34	0.40	8.70	0.16	18.29	1.32	25.07	0.33	
	0.17	0.13	1.30	1.25	0.40	1.75	1.28	2.19	4.01	2.44	0.31	
Six	68	0	111	136	0	83	0	95	29	119	17	658
	0.05	0.00	0.09	0.11	0.00	0.07	0.00	0.07	0.02	0.09	0.01	0.52
	10.38	0.00	16.80	20.73	0.00	12.67	0.00	14.39	4.44	18.05	2.53	
	0.19	0.00	0.44	0.59	0.00	1.12	0.00	0.76	5.91	0.77	1.03	
Seven	0	0	44	16	0	18	0	10	0	83	0	171
	0.00	0.00	0.03	0.01	0.00	0.01	0.00	0.01	0.00	0.07	0.00	0.13
	0.00	0.00	25.79	9.34	0.00	10.68	0.00	5.61	0.00	48.58	0.00	
	0.00	0.00	0.17	0.07	0.00	0.24	0.00	0.08	0.00	0.54	0.00	
Eight	12	0	16	27	0	17	0	0	0	55	7	135
	0.01	0.00	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.04	0.01	0.11
	9.18	0.00	11.99	20.26	0.00	12.54	0.00	0.00	0.00	40.98	5.05	
	0.03	0.00	0.06	0.12	0.00	0.23	0.00	0.00	0.00	0.36	0.42	
Nine or more	29	0	0	0	0	36	0	0	0	34	0	99
	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.08
	29.73	0.00	0.00	0.00	0.00	36.40	0.00	0.00	0.00	33.87	0.00	
	0.08	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.22	0.00	
TOTAL	35371	3696	25360	23243	1505	7444	187	12542	495	15415	1619	126878
	27.88	2.91	19.99	18.32	1.19	5.87	0.15	9.89	0.39	12.15	1.28	100.00

TABLE E-43
 DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY NUMBER OF OCCUPANTS
 AND TRIP PURPOSE
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

Main Purpose

FREQUENCY PERCENT ROW PCT COL PCT	Main Purpose										TOTAL	
	To or From Work	Work Related Business	Shopping	Family Business	Doctor/Dentist	School/Church	Vacation	Visit Friends/Relative	Friends/pleasure Driving	Other Social/Recreational		
One	254858 25.43 44.30 84.37	23191 2.31 4.03 54.92	66974 6.68 11.64 50.05	82191 8.20 14.29 52.99	7881 0.79 1.37 53.72	21303 2.13 3.70 51.97	1344 0.13 0.23 6.30	62514 6.24 10.87 46.03	4076 0.41 0.71 36.22	46295 4.62 8.05 34.70	4739 0.47 0.82 40.72	575364 57.40
Two	30080 3.00 11.67 9.96	14753 1.47 5.72 34.94	44757 4.47 17.36 33.45	41359 4.13 16.05 26.66	4492 0.45 1.74 30.62	10527 1.05 4.08 25.68	12622 1.26 4.90 59.21	39618 3.95 15.37 29.17	3553 0.35 1.38 31.57	51300 5.12 19.90 38.45	4689 0.47 1.82 40.30	257750 25.72
Three	9983 1.00 12.01 3.30	3469 0.35 4.17 8.22	12128 1.21 14.59 9.06	19271 1.92 23.18 12.42	1555 0.16 1.87 10.60	2921 0.29 3.51 7.13	3551 0.35 4.27 16.66	11750 1.17 14.13 8.65	660 0.07 0.79 5.87	16580 1.65 19.94 12.43	1269 0.13 1.53 10.91	83137 8.29
Four	3256 0.32 6.27 1.08	810 0.08 1.56 1.92	5865 0.59 11.29 4.38	7146 0.71 13.76 4.61	380 0.04 0.73 2.59	3000 0.30 5.78 7.32	2600 0.26 5.01 12.20	14218 1.42 27.37 10.47	1936 0.19 3.73 17.20	12120 1.21 23.33 9.08	611 0.06 1.18 5.25	51941 5.18
Five	786 0.08 3.74 0.26	0 0.00 0.00 0.00	2447 0.24 11.63 1.83	2121 0.21 10.08 1.37	361 0.04 1.71 2.46	1679 0.17 7.98 4.10	1201 0.12 5.71 5.63	6776 0.68 32.22 4.99	777 0.08 3.69 6.90	4887 0.49 23.22 3.66	10 0.00 0.05 0.09	21045 2.10
Six	1503 0.15 18.92 0.50	0 0.00 0.00 0.00	806 0.08 10.15 0.60	2005 0.20 25.24 1.29	0 0.00 0.00 0.00	824 0.08 10.38 2.01	0 0.00 10.52 0.00	836 0.08 10.52 0.62	251 0.03 3.16 2.23	1406 0.14 17.70 1.05	312 0.03 3.93 2.68	7943 0.79
Seven	0 0.00 0.00 0.00	0 0.00 0.00 0.00	705 0.07 54.81 0.53	61 0.01 4.76 0.04	0 0.00 0.00 0.00	9 0.00 0.71 0.02	0 0.00 0.00 0.00	89 0.01 6.89 0.07	0 0.00 0.00 0.00	423 0.04 32.83 0.32	0 0.00 0.00 0.00	1287 0.13
Eight	395 0.04 22.02 0.13	0 0.00 0.00 0.00	138 0.01 7.69 0.10	961 0.10 53.50 0.62	0 0.00 0.00 0.00	86 0.01 4.79 0.21	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	209 0.02 11.62 0.16	7 0.00 0.38 0.06	1795 0.18
Nine or more	1222 0.12 59.23 0.40	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	641 0.06 31.08 1.56	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	200 0.02 9.69 0.15	0 0.00 0.00 0.00	2063 0.21
TOTAL	302084 30.14	42223 4.21	133821 13.35	155114 15.48	14669 1.46	40990 4.09	21317 2.13	135801 13.55	11253 1.12	133418 13.31	11636 1.16	1002326 100.00

TABLE E-44
 DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE
 AND DAY OF WEEK
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Day of Week							TOTAL
	Sunday	Monday	Tuesday	Wednes- day	Thursday	Friday	Saturday	
To or From Work	1338 1.05 3.78 9.96	5820 4.59 16.45 31.04	6308 4.97 17.83 33.98	6752 5.32 19.09 33.59	6911 5.45 19.53 34.14	6067 4.78 17.15 30.34	2181 1.72 6.16 13.80	35376 27.88
Work Related Business	227 0.18 6.14 1.69	622 0.49 16.82 3.32	751 0.59 20.32 4.05	648 0.51 17.54 3.23	616 0.49 16.66 3.04	478 0.38 12.94 2.39	354 0.28 9.59 2.24	3697 2.91
Shopping	2550 2.01 10.05 18.99	3445 2.72 13.58 18.37	3451 2.72 13.61 18.59	3602 2.84 14.20 17.92	3476 2.74 13.70 17.17	4147 3.27 16.35 20.74	4694 3.70 18.50 29.70	25365 19.99
Other Family or Personal Business	1487 1.17 6.39 11.07	4044 3.19 17.39 21.57	3421 2.70 14.71 18.43	3667 2.89 15.77 18.24	4243 3.34 18.25 20.96	3942 3.11 16.96 19.71	2444 1.93 10.51 15.46	23247 18.32
Doctor/Dentist	16 0.01 1.04 0.12	293 0.23 19.46 1.56	277 0.22 18.41 1.49	297 0.23 19.72 1.48	280 0.22 18.61 1.38	285 0.22 18.94 1.43	57 0.05 3.81 0.36	1505 1.19
School/Church	2302 1.81 30.92 17.14	734 0.58 9.86 3.92	1089 0.86 14.63 5.87	1099 0.87 14.77 5.47	1070 0.84 14.38 5.29	596 0.47 8.01 2.98	553 0.44 7.42 3.50	7444 5.87
Vacation	23 0.02 12.35 0.17	56 0.04 29.85 0.30	13 0.01 7.06 0.07	0 0.00 0.00 0.00	34 0.03 17.99 0.17	32 0.03 17.24 0.16	29 0.02 15.51 0.18	187 0.15
Visit Friends or Relatives	2598 2.05 20.71 19.35	1667 1.31 13.29 8.89	1342 1.06 10.70 7.23	1498 1.18 11.94 7.45	1248 0.98 9.95 6.17	1866 1.47 14.88 9.33	2324 1.83 18.53 14.70	12543 9.88
Pleasure Driving	168 0.13 33.89 1.25	73 0.06 14.82 0.39	39 0.03 7.90 0.21	38 0.03 7.64 0.19	13 0.01 2.69 0.07	95 0.07 19.20 0.48	69 0.05 13.86 0.43	495 0.39
Other Social or Recreational	2535 2.00 16.45 18.88	1775 1.40 11.51 9.47	1598 1.26 10.37 8.61	2295 1.81 14.89 11.42	2057 1.62 13.34 10.16	2243 1.77 14.55 11.22	2912 2.30 18.89 18.43	15416 12.15
Other	185 0.15 11.44 1.38	222 0.17 13.71 1.18	273 0.22 16.88 1.47	208 0.16 12.86 1.04	294 0.23 18.16 1.45	247 0.19 15.24 1.23	190 0.15 11.71 1.20	1619 1.28
TOTAL	13428 10.58	18750 14.78	18563 14.63	20105 15.84	20242 15.95	20000 15.76	15806 12.46	126894 100.00

TABLE E-45
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND DAY OF WEEK
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Day of Week							TOTAL
	Sunday	Monday	Tuesday	Wednes- day	Thursday	Friday	Saturday	
To or From Work	10061 1.00 3.33 7.49	46826 4.67 15.50 31.77	57183 5.70 18.92 40.51	60435 6.03 20.00 41.92	59203 5.91 19.59 39.23	51440 5.13 17.02 34.18	17052 1.70 5.64 12.73	302201 30.15
Work Related Business	1742 0.17 4.13 1.30	5618 0.56 13.30 3.81	9617 0.96 22.78 6.81	6217 0.62 14.73 4.31	7535 0.75 17.85 4.99	5880 0.59 13.93 3.91	5614 0.56 13.29 4.19	42224 4.21
Shopping	13500 1.35 10.09 10.05	18343 1.83 13.71 12.45	17532 1.75 13.10 12.42	19441 1.94 14.53 13.48	15208 1.52 11.36 10.08	21869 2.18 16.34 14.53	27930 2.79 20.87 20.85	133823 13.35
Other Family or Personal Business	16556 1.65 10.67 12.33	30286 3.02 19.52 20.55	22289 2.22 14.37 15.79	19228 1.92 12.39 13.34	26323 2.63 16.97 17.44	22629 2.26 14.59 15.04	17820 1.78 11.49 13.30	155131 15.47
Doctor/Dentist	472 0.05 3.22 0.35	3194 0.32 21.77 2.17	2212 0.22 15.08 1.57	2387 0.24 16.27 1.66	2787 0.28 19.00 1.85	3137 0.31 21.38 2.08	480 0.05 3.27 0.36	14669 1.46
School/Church	12938 1.29 31.56 9.63	3494 0.35 8.52 2.37	6181 0.62 15.08 4.38	5942 0.59 14.49 4.12	5825 0.58 14.21 3.86	2430 0.24 5.93 1.61	4181 0.42 10.20 3.12	40990 4.09
Vacation	4783 0.48 22.44 3.56	7594 0.76 35.63 5.15	899 0.09 4.22 0.64	0 0.00 0.00 0.00	1611 0.16 7.56 1.07	2760 0.28 12.95 1.83	3670 0.37 17.22 2.74	21317 2.13
Visit Friends or Relatives	38567 3.85 28.40 28.71	15265 1.52 11.24 10.36	12128 1.21 8.93 8.59	14415 1.44 10.61 10.00	12341 1.23 9.09 8.18	17683 1.76 13.02 11.75	25403 2.53 18.71 18.96	135801 13.55
Pleasure Driving	4681 0.47 41.60 3.49	2545 0.25 22.61 1.73	765 0.08 6.80 0.54	345 0.03 3.06 0.24	37 0.00 0.33 0.02	1644 0.16 14.61 1.09	1235 0.12 10.97 0.92	11253 1.12
Other Social or Recreational	29400 2.93 22.04 21.89	13072 1.30 9.80 8.87	10513 1.05 7.88 7.45	14742 1.47 11.05 10.22	16774 1.67 12.57 11.11	19988 1.99 14.98 13.28	28928 2.89 21.68 21.59	133418 13.31
Other	1627 0.16 13.98 1.21	1138 0.11 9.78 0.77	1855 0.19 15.94 1.31	1028 0.10 8.83 0.71	3286 0.33 28.24 2.18	1041 0.10 8.95 0.69	1661 0.17 14.27 1.24	11636 1.16
TOTAL	134327 13.40	147374 14.70	141174 14.08	144181 14.38	150931 15.06	150502 15.01	133975 13.36	1002464 100.00

TABLE E-46
 AVERAGE TRIP LENGTH BY TRIP PURPOSE AND
 DAY OF WEEK
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

Main Purpose	Day of Week							Total
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
	Miles							
To or From Work	7.5	8.0	9.1	8.9	8.6	8.5	7.8	8.5
Work Related Business	7.7	9.0	12.8	9.6	12.2	12.3	15.8	11.4
Shopping	5.3	5.3	5.1	5.4	4.4	5.3	6.0	5.3
Other Family or Personal Business	11.1	7.5	6.5	5.2	6.2	5.7	7.3	6.7
Doctor/Dentist	30.3	10.9	8.0	8.0	10.0	11.0	8.4	9.7
School/Church	5.6	4.8	5.7	5.4	5.4	4.1	7.6	5.5
Vacation	207.0	135.9	68.0	.	47.8	85.5	126.4	113.9
Visit Friends or Relatives	14.8	9.2	9.0	9.6	9.9	9.5	10.9	10.8
Pleasure Driving	27.9	34.7	19.6	9.1	2.8	17.3	18.0	22.7
Other Social or Recreational	11.6	7.4	6.6	6.4	8.2	8.9	9.9	8.7
Other	8.8	5.1	6.8	4.9	11.2	4.2	8.8	7.2
Total	10.0	7.9	7.6	7.2	7.5	7.5	8.5	7.9

TABLE E-47
 DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE
 AND HOUSEHOLD VEHICLE OWNERSHIP
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Number of Household Vehicles					TOTAL
	None	One	Two	Three	Four or more	
To or From Work	28 0.02 0.08 7.17	7295 5.75 20.62 23.24	14884 11.73 42.08 27.99	7931 6.25 22.42 31.64	5236 4.13 14.80 31.06	35374 27.88
Work Related Business	0 0.00 0.00 0.00	780 0.61 21.10 2.48	1754 1.38 47.46 3.30	680 0.54 18.39 2.71	483 0.38 13.05 2.86	3696 2.91
Shopping	106 0.08 0.42 27.18	6982 5.50 27.53 22.25	10817 8.53 42.65 20.34	4525 3.57 17.84 18.05	2931 2.31 11.56 17.39	25362 19.99
Other Family or Personal Business	125 0.10 0.54 32.05	5990 4.72 25.77 19.09	10061 7.93 43.28 18.92	4214 3.32 18.13 16.81	2854 2.25 12.28 16.93	23244 18.32
Doctor/Dentist	5 0.00 0.31 1.18	350 0.28 23.27 1.12	704 0.55 46.78 1.32	297 0.23 19.72 1.18	149 0.12 9.92 0.89	1505 1.19
School/Church	38 0.03 0.51 9.69	1642 1.29 22.05 5.23	3041 2.40 40.86 5.72	1517 1.20 20.38 6.05	1206 0.95 16.20 7.16	7444 5.87
Vacation	0 0.00 0.00 0.00	54 0.04 28.60 0.17	95 0.08 50.87 0.18	24 0.02 12.71 0.09	15 0.01 7.82 0.09	187 0.15
Visit Friends or Relatives	53 0.04 0.42 13.58	3776 2.98 30.10 12.03	4733 3.73 37.74 8.90	2307 1.82 18.40 9.20	1674 1.32 13.34 9.93	12543 9.89
Pleasure Driving	0 0.00 0.00 0.00	117 0.09 23.67 0.37	120 0.09 24.30 0.23	152 0.12 30.58 0.60	106 0.08 21.46 0.63	495 0.39
Other Social or Recreational	29 0.02 0.19 7.45	3964 3.12 25.71 12.63	6257 4.93 40.59 11.77	3168 2.50 20.55 12.64	1997 1.57 12.95 11.85	15415 12.15
Other	7 0.01 0.41 1.70	436 0.34 26.94 1.39	717 0.57 44.30 1.35	255 0.20 15.74 1.02	204 0.16 12.61 1.21	1619 1.28
TOTAL	392 0.31	31385 24.73	53185 41.92	25069 19.76	16854 13.28	126885 100.00

TABLE E-48
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND HOUSEHOLD VEHICLE OWNERSHIP
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Number of Household Vehicles					TOTAL
	None	One	Two	Three	Four or more	
To or From Work	185 0.02 0.06 9.56	54805 5.47 18.14 23.52	128989 12.87 42.69 30.52	72681 7.25 24.05 35.20	45497 4.54 15.06 32.87	302157 30.14
Work Related Business	0 0.00 0.00 0.00	8273 0.83 19.59 3.55	20065 2.00 47.52 4.75	8093 0.81 19.17 3.92	5791 0.58 13.72 4.18	42223 4.21
Shopping	224 0.02 0.17 11.56	31089 3.10 23.23 13.34	56640 5.65 42.32 13.40	25946 2.59 19.39 12.57	19924 1.99 14.89 14.40	133823 13.35
Other Family or Personal Business	696 0.07 0.45 35.90	37767 3.77 24.35 16.21	64709 6.46 41.71 15.31	32773 3.27 21.13 15.87	19186 1.91 12.37 13.86	155130 15.48
Doctor/Dentist	55 0.01 0.38 2.85	2964 0.30 20.20 1.27	6980 0.70 47.58 1.65	3186 0.32 21.72 1.54	1485 0.15 10.12 1.07	14669 1.46
School/Church	168 0.02 0.41 8.68	8965 0.89 21.87 3.85	15440 1.54 37.67 3.65	9486 0.95 23.14 4.59	6931 0.69 16.91 5.01	40990 4.09
Vacation	0 0.00 0.00 0.00	6743 0.67 31.63 2.89	11824 1.18 55.47 2.80	1008 0.10 4.73 0.49	1743 0.17 8.18 1.26	21317 2.13
Visit Friends or Relatives	264 0.03 0.19 13.63	44543 4.44 32.80 19.12	53858 5.37 39.66 12.74	21191 2.11 15.60 10.26	15944 1.59 11.74 11.52	135801 13.55
Pleasure Driving	0 0.00 0.00 0.00	2016 0.20 17.92 0.87	3268 0.33 29.04 0.77	4290 0.43 38.12 2.08	1679 0.17 14.92 1.21	11253 1.12
Other Social or Recreational	312 0.03 0.23 16.09	33535 3.35 25.14 14.39	54152 5.40 40.59 12.81	25938 2.59 19.44 12.56	19481 1.94 14.60 14.08	133417 13.31
Other	33 0.00 0.29 1.72	2325 0.23 19.98 1.00	6658 0.66 57.22 1.58	1883 0.19 16.18 0.91	737 0.07 6.33 0.53	11636 1.16
TOTAL	1938 0.19	233023 23.25	422585 42.16	206472 20.60	138398 13.81	1002417 100.00

TABLE E-49
AVERAGE TRIP LENGTH BY TRIP PURPOSE AND
HOUSEHOLD VEHICLE OWNERSHIP
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

Main Purpose	Number of Household Vehicles					Total
	None	One	Two	Three	Four or more	
	Miles					
To or From Work	6.6	7.5	8.7	9.2	8.7	8.5
Work Related Business	.	10.6	11.4	11.9	12.0	11.4
Shopping	2.1	4.5	5.2	5.7	6.8	5.3
Other Family or Personal Business	5.5	6.3	6.4	7.8	6.7	6.7
Doctor/Dentist	12.0	8.5	9.9	10.7	9.9	9.7
School/Church	4.4	5.5	5.1	6.3	5.7	5.5
Vacation	.	126.0	124.2	42.4	119.0	113.9
Visit Friends or Relatives	5.0	11.8	11.4	9.2	9.5	10.8
Pleasure Driving	.	17.2	27.1	28.3	15.8	22.7
Other Social or Recreational	10.7	8.5	8.7	8.2	9.8	8.7
Other	5.0	5.3	9.3	7.4	3.6	7.2
Total	5.0	7.4	7.9	8.2	8.2	7.9

TABLE E-50
DISTRIBUTION OF VEHICLE TRIPS FOR WORK AND ALL OTHER
TRIP PURPOSES BY TIME OF DAY
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Time Trip Began								TOTAL
	1 a.m. to 6 a.m.	6 a.m. to 9 a.m.	9 a.m. to 1 p.m.	1 p.m. to 4 p.m.	4 p.m. to 7 p.m.	7 p.m. to 10 p.m.	10 p.m. to 1 a.m.	Unknown	
	Home to Work	1997 1.57 5.65 46.95	11608 9.15 32.81 60.79	4296 3.39 12.14 13.89	5111 4.03 14.45 20.52	8709 6.86 24.62 31.52	2053 1.62 5.80 14.38	1413 1.11 3.99 27.35	
All Other	2257 1.78 2.47 53.05	7488 5.90 8.18 39.21	26629 20.99 29.10 86.11	19794 15.60 21.63 79.48	18922 14.91 20.68 68.48	12219 9.63 13.35 85.62	3752 2.96 4.10 72.65	435 0.34 0.48 69.71	91495 72.12
TOTAL	4254 3.35	19096 15.05	30925 24.37	24904 19.63	27631 21.78	14272 11.25	5165 4.07	624 0.49	126871 100.00

TABLE E-51
DISTRIBUTION OF VEHICLE MILES OF TRAVEL FOR WORK AND ALL OTHER
TRIP PURPOSES BY TIME OF DAY
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Time Trip Began								TOTAL
	1 a.m. to 6 a.m.	6 a.m. to 9 a.m.	9 a.m. to 1 p.m.	1 p.m. to 4 p.m.	4 p.m. to 7 p.m.	7 p.m. to 10 p.m.	10 p.m. to 1 a.m.	Unknown	
	Home to Work	25027 2.50 8.28 52.60	104024 10.38 34.43 60.49	27492 2.74 9.10 12.58	39048 3.90 12.92 20.67	75158 7.50 24.87 34.00	17642 1.76 5.84 16.43	12172 1.21 4.03 29.56	
All Other	22555 2.25 3.22 47.40	67943 6.78 9.71 39.51	191124 19.07 27.30 87.42	149851 14.95 21.41 79.33	145869 14.55 20.84 66.00	89723 8.95 12.82 83.57	29000 2.89 4.14 70.44	3982 0.40 0.57 71.21	700046 69.85
TOTAL	47581 4.75	171966 17.16	218616 21.81	188899 18.85	221027 22.05	107366 10.71	41173 4.11	5592 0.56	1002219 100.00

TABLE E-52
DISTRIBUTION OF VEHICLE TRIPS FOR NON-HOME-TO-WORK*
TRIP PURPOSES BY NUMBER OF OCCUPANTS AND TRIP LENGTH
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Total People on Trip					TOTAL
	One	Two	Three	Four	Five or more	
Less than one half	6410	2181	798	312	207	9908
	7.00	2.38	0.87	0.34	0.23	10.83
	64.70	22.01	8.05	3.15	2.09	
	12.24	9.04	9.29	7.71	8.66	
1	8581	2994	1021	314	265	13174
	9.38	3.27	1.12	0.34	0.29	14.40
	65.13	22.72	7.75	2.38	2.01	
	16.39	12.41	11.88	7.76	11.09	
2	8611	3267	1312	431	262	13883
	9.41	3.57	1.43	0.47	0.29	15.17
	62.03	23.53	9.45	3.10	1.89	
	16.45	13.54	15.27	10.64	10.97	
3	5624	2625	958	428	229	9864
	6.15	2.87	1.05	0.47	0.25	10.78
	57.02	26.61	9.71	4.34	2.32	
	10.74	10.88	11.15	10.59	9.57	
4	3440	1642	561	247	131	6022
	3.76	1.79	0.61	0.27	0.14	6.58
	57.13	27.27	9.31	4.11	2.18	
	6.57	6.81	6.53	6.11	5.49	
5	4370	2079	827	309	206	7791
	4.77	2.27	0.90	0.34	0.23	8.51
	56.09	26.68	10.61	3.97	2.65	
	8.35	8.62	9.62	7.64	8.63	
6	1958	890	392	174	88	3502
	2.14	0.97	0.43	0.19	0.10	3.83
	55.90	25.42	11.19	4.97	2.51	
	3.74	3.69	4.56	4.31	3.68	
TOTAL	52359	24126	8592	4045	2391	91513
	57.21	26.36	9.39	4.42	2.61	100.00

*Includes trips for all purposes other than home to work.

TABLE E-52 (CONTINUED)
DISTRIBUTION OF VEHICLE TRIPS FOR NON-HOME-TO-WORK*
TRIP PURPOSES BY NUMBER OF OCCUPANTS AND TRIP LENGTH
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Total People on Trip					TOTAL
	One	Two	Three	Four	Five or more	
7	1710 1.87 52.55 3.27	930 1.02 28.59 3.86	390 0.43 11.98 4.54	163 0.18 5.01 4.03	61 0.07 1.87 2.55	3254 3.56
8-10	4859 5.31 51.95 9.28	2791 3.05 29.85 11.57	804 0.88 8.59 9.35	650 0.71 6.96 16.08	248 0.27 2.65 10.37	9352 10.22
11-15	3125 3.41 53.38 5.97	1761 1.92 30.09 7.30	490 0.54 8.38 5.71	313 0.34 5.35 7.75	164 0.18 2.80 6.86	5854 6.40
16-20	1415 1.55 45.33 2.70	1006 1.10 32.24 4.17	366 0.40 11.74 4.27	236 0.26 7.57 5.84	97 0.11 3.11 4.06	3121 3.41
21-30	1074 1.17 44.18 2.05	697 0.76 28.65 2.89	279 0.31 11.48 3.25	167 0.18 6.87 4.13	215 0.23 8.82 8.97	2431 2.66
31-40	426 0.47 35.99 0.81	458 0.50 38.75 1.90	124 0.14 10.45 1.44	109 0.12 9.21 2.69	66 0.07 5.60 2.77	1183 1.29
41 and over	756 0.83 34.78 1.44	804 0.88 37.00 3.33	271 0.30 12.45 3.15	191 0.21 8.80 4.73	152 0.17 6.97 6.34	2174 2.38
TOTAL	52359 57.21	24126 26.36	8592 9.39	4045 4.42	2391 2.61	91513 100.00

*Includes trips for all purposes other than home to work.

TABLE E-53
DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE AND INCOME
(1983 TRAVEL DAY FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Family Income				TOTAL
	Under \$10,000	\$10,000- 19,999	\$20,000- 39,999	\$40,000 and over	
To or From Work	2983	8684	15804	7902	35373
	2.35	6.84	12.46	6.23	27.88
	8.43	24.55	44.68	22.34	
	19.65	27.42	30.07	28.76	
Work Related Business	313	1172	1482	729	3696
	0.25	0.92	1.17	0.57	2.91
	8.48	31.71	40.08	19.73	
	2.06	3.70	2.82	2.65	
Shopping	3486	6553	9637	5685	25362
	2.75	5.16	7.60	4.48	19.99
	13.75	25.84	38.00	22.42	
	22.96	20.69	18.34	20.69	
Other Family or Personal Business	2939	5988	9534	4782	23244
	2.32	4.72	7.51	3.77	18.32
	12.65	25.76	41.02	20.57	
	19.36	18.91	18.14	17.41	
Doctor/Dentist	169	328	692	316	1505
	0.13	0.26	0.55	0.25	1.19
	11.25	21.78	45.98	20.99	
	1.12	1.03	1.32	1.15	
School/Church	1121	1512	2970	1841	7444
	0.88	1.19	2.34	1.45	5.87
	15.06	20.31	39.89	24.73	
	7.38	4.77	5.65	6.70	
Vacation	15	26	105	41	187
	0.01	0.02	0.08	0.03	0.15
	8.06	13.98	55.96	21.99	
	0.10	0.08	0.20	0.15	
Visit Friends or Relatives	2199	3427	4941	1976	12543
	1.73	2.70	3.89	1.56	9.89
	17.53	27.32	39.39	15.75	
	14.48	10.82	9.40	7.19	
Pleasure Driving	49	100	194	153	495
	0.04	0.08	0.15	0.12	0.39
	9.91	20.14	39.15	30.79	
	0.32	0.32	0.37	0.56	
Other Social or Recreational	1734	3497	6446	3738	15415
	1.37	2.76	5.08	2.95	12.15
	11.25	22.69	41.82	24.25	
	11.42	11.04	12.27	13.61	
Other	174	384	751	311	1619
	0.14	0.30	0.59	0.24	1.28
	10.74	23.71	46.37	19.18	
	1.15	1.21	1.43	1.13	
TOTAL	15185	31671	52555	27474	126884
	11.97	24.96	41.42	21.65	100.00

TABLE E-54
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE AND INCOME
(1983 TRAVEL DAY FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Family Income				TOTAL
	Under \$10,000	\$10,000- 19,999	\$20,000- 39,999	\$40,000 and over	
To or From Work	22917 2.29 7.58 22.04	63538 6.34 21.03 26.32	140890 14.06 46.63 32.81	74807 7.46 24.76 32.86	302152 30.14
Work Related Business	3136 0.31 7.43 3.02	12258 1.22 29.03 5.08	18780 1.87 44.48 4.37	8049 0.80 19.06 3.54	42223 4.21
Shopping	14508 1.45 10.84 13.95	35553 3.55 26.57 14.73	53788 5.37 40.19 12.53	29973 2.99 22.40 13.17	133823 13.35
Other Family or Personal Business	16440 1.64 10.60 15.81	43430 4.33 28.00 17.99	61778 6.16 39.82 14.39	33482 3.34 21.58 14.71	155130 15.48
Doctor/Dentist	1964 0.20 13.39 1.89	3302 0.33 22.51 1.37	6369 0.64 43.42 1.48	3035 0.30 20.69 1.33	14669 1.46
School/Church	4617 0.46 11.26 4.44	8746 0.87 21.34 3.62	15255 1.52 37.22 3.55	12372 1.23 30.18 5.44	40990 4.09
Vacation	3106 0.31 14.57 2.99	2276 0.23 10.68 0.94	12452 1.24 58.41 2.90	3483 0.35 16.34 1.53	21317 2.13
Visit Friends or Relatives	17945 1.79 13.21 17.26	38899 3.88 28.64 16.12	54845 5.47 40.39 12.77	24112 2.41 17.76 10.59	135801 13.55
Pleasure Driving	641 0.06 5.70 0.62	3165 0.32 28.12 1.31	2903 0.29 25.80 0.68	4545 0.45 40.38 2.00	11253 1.12
Other Social or Recreational	16112 1.61 12.08 15.49	27858 2.78 20.88 11.54	57938 5.78 43.43 13.49	31509 3.14 23.62 13.84	133417 13.31
Other	2612 0.26 22.45 2.51	2338 0.23 20.09 0.97	4416 0.44 37.95 1.03	2270 0.23 19.51 1.00	11636 1.16
TOTAL	103998 10.37	241362 24.08	429414 42.84	227636 22.71	1002411 100.00

TABLE E-55
DISTRIBUTION OF VEHICLE TRIPS BY
MODE OF TRANSPORTATION AND VEHICLE AGE
(1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	LESS THAN 1 YEAR	ONE	TWO	THREE	FOUR	FIVE	
Auto	5087 4.01 5.33 72.95	7670 6.04 8.03 77.77	7945 6.26 8.32 79.46	8971 7.07 9.39 81.27	9757 7.69 10.21 74.35	9128 7.19 9.55 73.62	95527 75.28
Station Wagon	659 0.52 6.05 9.46	663 0.52 6.08 6.73	800 0.63 7.34 8.00	824 0.65 7.55 7.46	1222 0.96 11.20 9.31	1433 1.13 13.14 11.56	10905 8.59
Passenger Van	138 0.11 4.95 1.98	335 0.26 12.04 3.40	54 0.04 1.92 0.54	130 0.10 4.67 1.18	222 0.17 7.95 1.69	286 0.23 10.26 2.30	2785 2.20
Other Van	47 0.04 4.29 0.67	0 0.00 0.00 0.00	0 0.00 0.00 0.00	62 0.05 5.67 0.56	128 0.10 11.73 0.98	94 0.07 8.62 0.76	1095 0.86
Pickup Truck	945 0.75 6.84 13.56	1099 0.87 7.95 11.15	1107 0.87 8.01 11.07	1018 0.80 7.37 9.22	1553 1.22 11.24 11.84	1259 0.99 9.11 10.16	13821 10.89
Pickup With Camper	0 0.00 0.00 0.00	18 0.01 1.81 0.19	93 0.07 9.19 0.93	34 0.03 3.32 0.31	144 0.11 14.18 1.10	49 0.04 4.78 0.39	1015 0.80
Other Truck	87 0.07 10.41 1.25	76 0.06 9.03 0.77	0 0.00 0.00 0.00	0 0.00 0.00 0.00	97 0.08 11.50 0.74	150 0.12 17.86 1.21	840 0.66
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	680 0.54
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	139 0.11
Other (POV)	9 0.01 11.88 0.13	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	76 0.06
TOTAL	6973 5.50	9862 7.77	9999 7.88	11039 8.70	13122 10.34	12398 9.77	126892 100.00

TABLE E-55 (CONTINUED)
DISTRIBUTION OF VEHICLE TRIPS BY
MODE OF TRANSPORTATION AND VEHICLE AGE
(1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	SIX	SEVEN	EIGHT	NINE	TEN OR OLDER	UNKNOWN	
Auto	7191 5.67 7.53 74.52	7206 5.68 7.54 78.45	4427 3.49 4.63 80.31	4770 3.76 4.99 71.04	18839 14.85 19.72 74.58	4538 3.58 4.75 63.23	95527 75.28
Station Wagon	1002 0.79 9.19 10.39	720 0.57 6.60 7.84	440 0.35 4.04 7.99	843 0.66 7.73 12.55	2007 1.58 18.41 7.95	292 0.23 2.67 4.06	10905 8.59
Passenger Van	249 0.20 8.96 2.59	219 0.17 7.86 2.38	180 0.14 6.46 3.27	286 0.23 10.26 4.26	437 0.34 15.69 1.73	250 0.20 8.96 3.48	2785 2.20
Other Van	113 0.09 10.29 1.17	105 0.08 9.56 1.14	93 0.07 8.48 1.68	120 0.09 10.99 1.79	181 0.14 16.50 0.72	152 0.12 13.87 2.12	1095 0.86
Pickup Truck	928 0.73 6.72 9.62	752 0.59 5.44 8.19	327 0.26 2.37 5.94	585 0.46 4.23 8.71	3306 2.61 23.92 13.09	940 0.74 6.80 13.09	13821 10.89
Pickup With Camper	154 0.12 15.21 1.60	65 0.05 6.38 0.71	20 0.02 1.93 0.36	76 0.06 7.47 1.13	325 0.26 32.00 1.29	38 0.03 3.74 0.53	1015 0.80
Other Truck	11 0.01 1.37 0.12	119 0.09 14.14 1.29	25 0.02 2.99 0.46	35 0.03 4.15 0.52	131 0.10 15.61 0.52	109 0.09 12.94 1.51	840 0.66
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01 100.00 0.11	8 0.01
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	680 0.54 100.00 9.48	680 0.54
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	139 0.11 100.00 1.94	139 0.11
Other (POV)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	35 0.03 46.19 0.14	32 0.03 41.93 0.44	76 0.06
TOTAL	9649 7.60	9185 7.24	5513 4.34	6714 5.29	25261 19.91	7176 5.66	126892 100.00

TABLE E-56
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION AND VEHICLE AGE
(1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	LESS THAN 1 YEAR	ONE	TWO	THREE	FOUR	FIVE	
Auto	43993 4.39 5.92 69.77	78946 7.88 10.63 77.53	80118 7.99 10.79 82.12	65872 6.57 8.87 76.16	78423 7.82 10.56 74.11	64564 6.44 8.69 71.52	742810 74.10
Station Wagon	5552 0.55 6.77 8.81	8940 0.89 10.90 8.78	4853 0.48 5.92 4.97	7148 0.71 8.71 8.26	9513 0.95 11.60 8.99	10196 1.02 12.43 11.29	82038 8.18
Passenger Van	1295 0.13 6.05 2.05	2142 0.21 10.00 2.10	450 0.04 2.10 0.46	1423 0.14 6.64 1.64	1584 0.16 7.40 1.50	2218 0.22 10.36 2.46	21414 2.14
Other Van	287 0.03 3.68 0.46	0 0.00 0.00 0.00	0 0.00 0.00 0.00	322 0.03 4.12 0.37	978 0.10 12.52 0.92	522 0.05 6.68 0.58	7811 0.78
Pickup Truck	11036 1.10 9.02 17.50	10636 1.06 8.69 10.45	11018 1.10 9.00 11.29	11387 1.14 9.30 13.17	13528 1.35 11.05 12.78	9972 0.99 8.15 11.05	122400 12.21
Pickup With Camper	0 0.00 0.00 0.00	49 0.00 0.59 0.05	1120 0.11 13.46 1.15	340 0.03 4.08 0.39	951 0.09 11.44 0.90	1533 0.15 18.43 1.70	8319 0.83
Other Truck	715 0.07 6.96 1.13	1117 0.11 10.88 1.10	0 0.00 0.00 0.00	0 0.00 0.00 0.00	841 0.08 8.18 0.79	1271 0.13 12.37 1.41	10274 1.02
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.00
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	6074 0.61
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	534 0.05
Other (POV)	181 0.02 24.63 0.29	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	733 0.07
TOTAL	63059 6.29	101830 10.16	97560 9.73	86492 8.63	105818 10.56	90276 9.01	1002416 100.00

TABLE E-56 (CONTINUED)
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION AND VEHICLE AGE
(1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	SIX	SEVEN	EIGHT	NINE	TEN OR OLDER	UNKNOWN	
Auto	48350 4.82 6.51 70.73	48774 4.87 6.57 80.16	30807 3.07 4.15 79.61	29006 2.89 3.90 66.18	123901 12.36 16.68 72.78	50057 4.99 6.74 66.37	742810 74.10
Station Wagon	7575 0.76 9.23 11.08	3660 0.37 4.46 6.02	2349 0.23 2.86 6.07	6742 0.67 8.22 15.38	13693 1.37 16.69 8.04	1816 0.18 2.21 2.41	82038 8.18
Passenger Van	2249 0.22 10.50 3.29	1561 0.16 7.29 2.57	994 0.10 4.64 2.57	1743 0.17 8.14 3.98	3359 0.34 15.69 1.97	2396 0.24 11.19 3.18	21414 2.14
Other Van	326 0.03 4.17 0.48	1341 0.13 17.17 2.20	532 0.05 6.81 1.37	673 0.07 8.61 1.53	1656 0.17 21.20 0.97	1175 0.12 15.04 1.56	7811 0.78
Pickup Truck	8680 0.87 7.09 12.70	4978 0.50 4.07 8.18	2768 0.28 2.26 7.15	5174 0.52 4.23 11.80	23544 2.35 19.24 13.83	9679 0.97 7.91 12.83	122400 12.21
Pickup With Camper	1174 0.12 14.11 1.72	143 0.01 1.72 0.24	483 0.05 5.80 1.25	411 0.04 4.94 0.94	1803 0.18 21.68 1.06	312 0.03 3.74 0.41	8319 0.83
Other Truck	0 0.00 0.00 0.00	386 0.04 3.75 0.63	766 0.08 7.46 1.98	82 0.01 0.80 0.19	1855 0.19 18.05 1.09	3241 0.32 31.54 4.30	10274 1.02
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.00 100.00 0.01	8 0.00
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	6074 0.61 100.00 8.05	6074 0.61
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	534 0.05 100.00 0.71	534 0.05
Other (POV)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	427 0.04 58.26 0.25	125 0.01 17.11 0.17	733 0.07
TOTAL	68354 6.82	60843 6.07	38700 3.86	43831 4.37	170238 16.98	75415 7.52	1002416 100.00

TABLE E-57
 DISTRIBUTION OF VEHICLE TRIPS BY
 MODE OF TRANSPORTATION AND VEHICLE AGE
 TRAVEL PERIOD TRIPS EXCLUDED
 (1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	LESS THAN 1 YEAR	ONE	TWO	THREE	FOUR	FIVE	
Auto	5050 4.02 5.33 72.96	7602 6.06 8.03 78.35	7755 6.18 8.19 79.30	8893 7.08 9.39 81.13	9648 7.68 10.19 74.48	9087 7.24 9.60 73.71	94692 75.42
Station Wagon	649 0.52 6.03 9.38	653 0.52 6.07 6.73	800 0.64 7.43 8.18	824 0.66 7.65 7.52	1203 0.96 11.18 9.29	1433 1.14 13.31 11.62	10766 8.58
Passenger Van	138 0.11 4.96 1.99	335 0.27 12.05 3.46	54 0.04 1.92 0.55	130 0.10 4.67 1.19	222 0.18 7.96 1.71	283 0.23 10.19 2.30	2783 2.22
Other Van	47 0.04 4.36 0.68	0 0.00 0.00 0.00	0 0.00 0.00 0.00	62 0.05 5.77 0.57	128 0.10 11.93 0.99	94 0.08 8.77 0.77	1076 0.86
Pickup Truck	941 0.75 6.92 13.59	1055 0.84 7.75 10.87	1077 0.86 7.92 11.02	1018 0.81 7.48 9.29	1511 1.20 11.10 11.67	1259 1.00 9.25 10.22	13609 10.84
Pickup With Camper	0 0.00 0.00 0.00	18 0.01 1.86 0.19	93 0.07 9.44 0.95	34 0.03 3.41 0.31	144 0.11 14.58 1.11	21 0.02 2.14 0.17	988 0.79
Other Truck	87 0.07 11.18 1.26	38 0.03 4.90 0.39	0 0.00 0.00 0.00	0 0.00 0.00 0.00	97 0.08 12.35 0.75	150 0.12 19.18 1.22	782 0.62
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	633 0.50
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	139 0.11
Other (POV)	9 0.01 11.88 0.13	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	76 0.06
TOTAL	6921 5.51	9703 7.73	9779 7.79	10960 8.73	12953 10.32	12328 9.82	125552 100.00

TABLE E-57 (CONTINUED)
DISTRIBUTION OF VEHICLE TRIPS BY
MODE OF TRANSPORTATION AND VEHICLE AGE
TRAVEL PERIOD TRIPS EXCLUDED
(1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	SIX	SEVEN	EIGHT	NINE	TEN OR OLDER	UNKNOWN	
Auto	7110 5.66 7.51 74.91	7152 5.70 7.55 78.32	4403 3.51 4.65 80.22	4761 3.79 5.03 71.39	18769 14.95 19.82 74.69	4463 3.55 4.71 63.76	94692 75.42
Station Wagon	948 0.75 8.80 9.98	720 0.57 6.69 7.88	440 0.35 4.09 8.03	806 0.64 7.49 12.09	2002 1.59 18.59 7.97	287 0.23 2.67 4.11	10766 8.58
Passenger Van	249 0.20 8.96 2.63	219 0.17 7.87 2.40	180 0.14 6.47 3.28	286 0.23 10.27 4.29	437 0.35 15.70 1.74	250 0.20 8.97 3.57	2783 2.22
Other Van	113 0.09 10.47 1.19	105 0.08 9.73 1.15	93 0.07 8.62 1.69	120 0.10 11.18 1.81	162 0.13 15.03 0.64	152 0.12 14.12 2.17	1076 0.86
Pickup Truck	906 0.72 6.66 9.54	752 0.60 5.53 8.24	327 0.26 2.40 5.96	585 0.47 4.30 8.77	3268 2.60 24.01 13.00	910 0.72 6.68 13.00	13609 10.84
Pickup With Camper	154 0.12 15.63 1.63	65 0.05 6.56 0.71	20 0.02 1.98 0.36	76 0.06 7.67 1.14	325 0.26 32.89 1.29	38 0.03 3.85 0.54	988 0.79
Other Truck	11 0.01 1.47 0.12	119 0.09 15.18 1.30	25 0.02 3.21 0.46	35 0.03 4.45 0.52	131 0.10 16.77 0.52	89 0.07 11.32 1.26	782 0.62
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	8 0.01 100.00 0.11	8 0.01
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	633 0.50 100.00 9.04	633 0.50
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	139 0.11 100.00 1.98	139 0.11
Other (POV)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	35 0.03 46.19 0.14	32 0.03 41.93 0.46	76 0.06
TOTAL	9492 7.56	9131 7.27	5488 4.37	6668 5.31	25128 20.01	7000 5.57	125552 100.00

TABLE E-58
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION AND VEHICLE AGE
TRAVEL PERIOD TRIPS EXCLUDED
(1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	LESS THAN 1 YEAR	ONE	TWO	THREE	FOUR	FIVE	
Auto	39611 4.38 5.91 68.92	65186 7.21 9.73 78.37	66563 7.36 9.93 80.19	60145 6.65 8.97 74.47	69913 7.73 10.43 74.78	61449 6.79 9.17 71.81	670287 74.12
Station Wagon	4900 0.54 6.78 8.53	8143 0.90 11.26 9.79	4853 0.54 6.71 5.85	7148 0.79 9.88 8.85	7734 0.86 10.69 8.27	10196 1.13 14.10 11.91	72318 8.00
Passenger Van	1295 0.14 6.18 2.25	2142 0.24 10.22 2.58	450 0.05 2.15 0.54	1423 0.16 6.79 1.76	1584 0.18 7.56 1.69	1771 0.20 8.45 2.07	20967 2.32
Other Van	287 0.03 3.74 0.50	0 0.00 0.00 0.00	0 0.00 0.00 0.00	322 0.04 4.19 0.40	978 0.11 12.72 1.05	522 0.06 6.79 0.61	7685 0.85
Pickup Truck	10482 1.16 9.33 18.24	7571 0.84 6.74 9.10	10023 1.11 8.93 12.07	11387 1.26 10.14 14.10	11496 1.27 10.24 12.30	9972 1.10 8.88 11.65	112300 12.42
Pickup With Camper	0 0.00 0.00 0.00	49 0.01 0.68 0.06	1120 0.12 15.59 1.35	340 0.04 4.73 0.42	951 0.11 13.25 1.02	396 0.04 5.52 0.46	7182 0.79
Other Truck	715 0.08 9.65 1.24	89 0.01 1.20 0.11	0 0.00 0.00 0.00	0 0.00 0.00 0.00	841 0.09 11.35 0.90	1271 0.14 17.16 1.49	7407 0.82
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	4914 0.54
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	534 0.06
Other (POV)	181 0.02 24.63 0.31	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	733 0.08
TOTAL	57471 6.36	83179 9.20	83010 9.18	80765 8.93	93497 10.34	85578 9.46	904335 100.00

TABLE E-58 (CONTINUED)
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY MODE OF TRANSPORTATION AND VEHICLE AGE
TRAVEL PERIOD TRIPS EXCLUDED
(1983 TRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Vehicle Age (Years)						TOTAL
	SIX	SEVEN	EIGHT	NINE	TEN OR OLDER	UNKNOWN	
Auto	42832 4.74 6.39 72.61	43296 4.79 6.46 78.20	28716 3.18 4.28 78.44	28978 3.20 4.32 68.73	118686 13.12 17.71 73.29	44915 4.97 6.70 68.29	670287 74.12
Station Wagon	5239 0.58 7.24 8.88	3660 0.40 5.06 6.61	2349 0.26 3.25 6.42	5102 0.56 7.06 12.10	11432 1.26 15.81 7.06	1560 0.17 2.16 2.37	72318 8.00
Passenger Van	2249 0.25 10.73 3.81	1561 0.17 7.44 2.82	994 0.11 4.74 2.72	1743 0.19 8.31 4.13	3359 0.37 16.02 2.07	2396 0.26 11.43 3.64	20967 2.32
Other Van	326 0.04 4.24 0.55	1341 0.15 17.45 2.42	532 0.06 6.92 1.45	673 0.07 8.75 1.60	1530 0.17 19.91 0.94	1175 0.13 15.29 1.79	7685 0.85
Pickup Truck	7173 0.79 6.39 12.16	4978 0.55 4.43 8.99	2768 0.31 2.47 7.56	5174 0.57 4.61 12.27	22845 2.53 20.34 14.11	8431 0.93 7.51 12.82	112300 12.42
Pickup With Camper	1174 0.13 16.35 1.99	143 0.02 1.99 0.26	483 0.05 6.72 1.32	411 0.05 5.72 0.97	1803 0.20 25.11 1.11	312 0.03 4.34 0.47	7182 0.79
Other Truck	0 0.00 0.00 0.00	386 0.04 5.21 0.70	766 0.08 10.34 2.09	82 0.01 1.11 0.19	1855 0.21 25.04 1.15	1403 0.16 18.94 2.13	7407 0.82
Motorized Camper	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 100.00 0.01	0 0.00 0.00 0.01
Motorcycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	4914 0.54 100.00 7.47	4914 0.54
Motorized Bicycle	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	534 0.06 100.00 0.81	534 0.06
Other (POV)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	427 0.05 58.26 0.26	125 0.01 17.11 0.19	733 0.08
TOTAL	58992 6.52	55365 6.12	36608 4.05	42163 4.66	161936 17.91	65772 7.27	904335 100.00

TABLE E-59
AVERAGE VEHICLE TRIPS PER HOUSEHOLD BY INCOME
AND VEHICLE OWNERSHIP
(1983)

	Vehicle Ownership					TOTAL
	NONE	ONE	TWO	THREE	FOUR OR MORE	
UNDER \$10,000	33	936	1,345	1,865	2,469	679
\$10,000-19,999	51	1,147	1,805	2,019	2,549	1,392
\$20,000-29,999	0	1,254	1,880	2,145	3,102	1,776
\$30,000-39,999	0	1,125	1,980	2,565	2,992	2,026
\$40,000 OR MORE	0	1,053	2,070	2,532	3,358	2,265
ALL INCOMES	34	1,091	1,858	2,292	3,077	1,486

TABLE E-60
AVERAGE VEHICLE MILES OF TRAVEL PER HOUSEHOLD BY INCOME
AND VEHICLE OWNERSHIP
(1983)

	Vehicle Ownership					TOTAL
	NONE	ONE	TWO	THREE	FOUR OR MORE	
UNDER \$10,000	139	5,886	9,115	16,721	30,900	4,653
\$10,000-19,999	352	8,657	13,694	14,985	22,552	10,604
\$20,000-29,999	0	10,258	14,970	17,366	21,016	14,001
\$30,000-39,999	0	10,583	17,544	19,907	25,964	17,430
\$40,000 OR MORE	0	7,421	16,398	22,901	27,832	18,767
ALL INCOMES	168	8,097	14,757	18,882	25,269	11,741

TABLE E-61
AVERAGE VEHICLE TRIPS BY INCOME AND HOUSEHOLD SIZE
(1983)

	Number of Persons in Household				TOTAL
	ONE	TWO	THREE	FOUR OR MORE	
UNDER \$10,000	363	828	1,067	1,011	679
\$10,000-19,999	890	1,302	1,690	1,843	1,392
\$20,000-29,999	993	1,549	1,922	2,223	1,776
\$30,000-39,999	886	1,519	2,227	2,532	2,026
\$40,000 OR MORE	1,032	1,609	2,344	2,830	2,265
ALL INCOMES	643	1,300	1,839	2,159	1,486

TABLE E-62
AVERAGE VEHICLE MILES OF TRAVEL PER HOUSEHOLD BY INCOME
AND HOUSEHOLD SIZE
(1983)

	Number of Persons in Household				TOTAL
	ONE	TWO	THREE	FOUR OR MORE	
UNDER \$10,000	2,457	6,200	7,104	6,067	4,653
\$10,000-19,999	7,555	8,925	12,518	14,993	10,604
\$20,000-29,999	8,777	13,605	15,100	15,926	14,001
\$30,000-39,999	8,579	13,870	20,440	20,247	17,420
\$40,000 OR MORE	6,852	12,804	19,695	23,879	18,767
ALL INCOMES	5,174	10,282	14,723	16,836	11,741

TABLE E-63A
AVERAGE VEHICLE TRIPS PER HOUSEHOLD BY VEHICLE OWNERSHIP
AND HOUSEHOLD SIZE
(1983)

Vehicle Ownership	Number of Persons in Household				TOTAL
	ONE	TWO	THREE	FOUR OR MORE	
NONE	16	39	140	28	34
ONE	927	995	1,373	1,434	1,091
TWO	1,161	1,633	1,982	2,160	1,858
THREE	1,481	1,747	2,365	2,616	2,292
FOUR OR MORE	1,605	2,052	2,866	3,396	3,077
ALL HOUSEHOLDS	643	1,300	1,839	2,159	1,486

TABLE E-63B
AVERAGE VEHICLE MILES OF TRAVEL PER HOUSEHOLD BY VEHICLE OWNERSHIP
AND HOUSEHOLD SIZE
(1983)

Vehicle Ownership	Number of Persons in Household				TOTAL
	ONE	TWO	THREE	FOUR OR MORE	
NONE	84	256	668	45	168
ONE	7,322	7,177	9,340	10,711	8,097
TWO	11,161	13,057	16,252	16,489	14,757
THREE	10,575	14,735	20,183	20,952	18,882
FOUR OR MORE	8,553	19,397	23,500	27,438	25,269
ALL HOUSEHOLDS	5,174	10,282	14,723	16,836	11,741

TABLE E-64
 DISTRIBUTION OF VEHICLE TRIPS BY NUMBER OF OCCUPANTS
 AND TRIP PURPOSE
 (TRAVEL PERIOD TRIPS EXCLUDED)
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Main Purpose											TOTAL
	To or From Work	Work Related Business	Shopping Business	Other Personal or Business	Family Business	Doctor/Dentist	School/Church	Vacation	Visit Friends/Relative	Pleasure Driving	Other Social/Recreational	
One	30946	2743	15530	14018	854	4155	18	6802	98	6711	899	82774
	24.65	2.18	12.37	11.17	0.68	3.31	0.01	5.42	0.08	5.35	0.72	65.94
	37.39	3.31	18.76	16.94	1.03	5.02	0.02	8.22	0.12	8.11	1.09	
	87.75	77.16	61.72	60.96	57.29	56.04	12.33	55.47	23.02	44.03	57.12	
Two	3099	604	6536	5535	462	1741	57	3230	151	4925	451	26792
	2.47	0.48	5.21	4.41	0.37	1.39	0.05	2.57	0.12	3.92	0.36	21.34
	11.57	2.25	24.39	20.66	1.72	6.50	0.21	12.06	0.56	18.38	1.68	
	8.79	16.99	25.97	24.07	30.97	23.48	38.40	26.35	35.37	32.31	28.67	
Three	818	167	1889	2164	126	780	27	1183	61	1897	135	9249
	0.65	0.13	1.50	1.72	0.10	0.62	0.02	0.94	0.05	1.51	0.11	7.37
	8.84	1.80	20.43	23.40	1.36	8.44	0.30	12.80	0.66	20.51	1.46	
	2.32	4.69	7.51	9.41	8.46	10.52	18.33	9.65	14.33	12.45	8.58	
Four	233	36	713	806	43	472	44	688	67	1052	60	4215
	0.19	0.03	0.57	0.64	0.03	0.38	0.03	0.55	0.05	0.84	0.05	3.36
	5.52	0.86	16.92	19.13	1.02	11.20	1.04	16.33	1.60	24.96	1.42	
	0.66	1.02	2.83	3.51	2.88	6.37	29.33	5.61	15.78	6.90	3.81	
Five	61	5	325	290	6	112	2	253	20	366	5	1446
	0.05	0.00	0.26	0.23	0.00	0.09	0.00	0.20	0.02	0.29	0.00	1.15
	4.23	0.33	22.47	20.06	0.42	7.75	0.17	17.52	1.37	25.33	0.34	
	0.17	0.13	1.29	1.26	0.40	1.51	1.61	2.07	4.65	2.40	0.31	
Six	68	0	111	136	0	83	0	95	29	119	17	658
	0.05	0.00	0.09	0.11	0.00	0.07	0.00	0.08	0.02	0.09	0.01	0.52
	10.38	0.00	16.80	20.73	0.00	12.67	0.00	14.39	4.44	18.05	2.53	
	0.19	0.00	0.44	0.59	0.00	1.12	0.00	0.77	6.85	0.78	1.06	
Seven	0	0	44	16	0	18	0	10	0	83	0	171
	0.00	0.00	0.04	0.01	0.00	0.01	0.00	0.01	0.00	0.07	0.00	0.14
	0.00	0.00	25.79	9.34	0.00	10.68	0.00	5.61	0.00	48.58	0.00	
	0.00	0.00	0.17	0.07	0.00	0.25	0.00	0.08	0.00	0.54	0.00	
Eight	12	0	16	27	0	17	0	0	0	55	7	135
	0.01	0.00	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.04	0.01	0.11
	9.18	0.00	11.99	20.26	0.00	12.54	0.00	0.00	0.00	40.98	5.05	
	0.04	0.00	0.06	0.12	0.00	0.23	0.00	0.00	0.00	0.36	0.43	
Nine or more	29	0	0	0	0	36	0	0	0	34	0	99
	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.08
	29.73	0.00	0.00	0.00	0.00	36.40	0.00	0.00	0.00	33.87	0.00	
	0.08	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.22	0.00	
TOTAL	35267	3555	25164	22993	1491	7415	149	12261	427	15242	1574	125538
	28.09	2.83	20.04	18.32	1.19	5.91	0.12	9.77	0.34	12.14	1.25	100.00

TABLE E-65
 DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY NUMBER OF OCCUPANTS
 AND TRIP PURPOSE
 (TRAVEL PERIOD TRIPS EXCLUDED)
 (1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCI COL PCI	Main Purpose											TOTAL
	To or From Work	Work Related Business	Shopping Business	Other Personal or Business	Family Business	Doctor/Dentist	School/Church	Vacation	Visit Friends/Relative	Pleasure Driving	Other Social/Recreational	
One	251864	22376	60926	73734	7195	21303	131	55127	2916	40456	4132	540159
	27.85	2.47	6.74	8.15	0.80	2.36	0.01	6.10	0.32	4.47	0.46	59.74
	46.63	4.14	11.28	13.65	1.33	3.94	0.02	10.21	0.54	7.49	0.77	
	85.23	63.88	49.25	54.69	51.70	54.79	0.85	47.97	33.61	35.27	47.45	
Two	26495	9084	41753	34880	4426	9205	8597	35067	2135	42724	2751	217116
	2.93	1.00	4.62	3.86	0.49	1.02	0.95	3.88	0.24	4.72	0.30	24.01
	12.20	4.18	19.23	16.07	2.04	4.24	3.96	16.15	0.98	19.68	1.27	
	8.97	25.93	33.75	25.87	31.80	23.67	55.95	30.51	24.61	37.25	31.59	
Three	9983	2861	11240	14163	1555	2921	2838	9678	660	15066	886	71852
	1.10	0.32	1.24	1.57	0.17	0.32	0.31	1.07	0.07	1.67	0.10	7.95
	13.89	3.98	15.64	19.71	2.16	4.06	3.95	13.47	0.92	20.97	1.23	
	3.38	8.17	9.09	10.50	11.18	7.51	18.47	8.42	7.61	13.14	10.17	
Four	3256	707	5865	6901	380	3000	2600	10149	1936	10532	611	45935
	0.36	0.08	0.65	0.76	0.04	0.33	0.29	1.12	0.21	1.16	0.07	5.08
	7.09	1.54	12.77	15.02	0.83	6.53	5.66	22.09	4.21	22.93	1.33	
	1.10	2.02	4.74	5.12	2.73	7.72	16.92	8.83	22.32	9.18	7.01	
Five	786	0	2276	2121	361	894	1201	3979	777	3678	10	16082
	0.09	0.00	0.25	0.22	0.04	0.10	0.13	0.44	0.09	0.41	0.00	1.78
	4.89	0.00	14.15	13.19	2.24	5.56	7.47	24.74	4.83	22.87	0.06	
	0.27	0.00	1.84	1.57	2.59	2.30	7.82	3.46	8.96	3.21	0.11	
Six	1503	0	806	2005	0	824	0	836	251	1406	312	7943
	0.17	0.00	0.09	0.22	0.00	0.09	0.00	0.09	0.03	0.16	0.03	0.88
	18.92	0.00	10.15	25.24	0.00	10.38	0.00	10.52	3.16	17.70	3.93	
	0.51	0.00	0.65	1.49	0.00	2.12	0.00	0.73	2.89	1.23	3.58	
Seven	0	0	705	61	0	9	0	89	0	423	0	1287
	0.00	0.00	0.08	0.01	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.14
	0.00	0.00	54.81	4.76	0.00	0.71	0.00	6.89	0.00	32.83	0.00	
	0.00	0.00	0.57	0.05	0.00	0.02	0.00	0.08	0.00	0.37	0.00	
Eight	395	0	138	961	0	86	0	0	0	209	7	1795
	0.04	0.00	0.02	0.11	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.20
	22.02	0.00	7.69	53.50	0.00	4.79	0.00	0.00	0.00	11.62	0.38	
	0.13	0.00	0.11	0.71	0.00	0.22	0.00	0.00	0.00	0.18	0.08	
Nine or more	1222	0	0	0	0	641	0	0	0	200	0	2063
	0.14	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.02	0.00	0.23
	59.23	0.00	0.00	0.00	0.00	31.08	0.00	0.00	0.00	9.69	0.00	
	0.41	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.17	0.00	
TOTAL	295505	35028	123768	134826	13916	30883	13366	114924	8675	114692	8709	904232
	34.68	3.67	13.68	14.91	1.54	4.30	1.70	12.71	0.96	12.68	0.96	100.00

TABLE E-66
DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE AND INCOME
(TRAVEL PERIOD TRIPS EXCLUDED)
(1983 TRAVEL DAY FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Family Income				TOTAL
	Under \$10,000	\$10,000- 19,999	\$20,000- 39,999	\$40,000 and over	
To or From Work	2971 2.37 8.42 19.71	8670 6.91 24.58 27.72	15770 12.56 44.71 30.30	7858 6.26 22.28 28.95	35269 28.09
Work Related Business	313 0.25 8.82 2.08	1133 0.90 31.86 3.62	1404 1.12 39.48 2.70	705 0.56 19.83 2.60	3555 2.83
Shopping	3472 2.77 13.80 23.04	6504 5.18 25.85 20.79	9554 7.61 37.96 18.36	5636 4.49 22.39 20.76	25166 20.05
Other Family or Personal Business	2934 2.34 12.76 19.47	5884 4.69 25.59 18.81	9450 7.53 41.09 18.15	4727 3.77 20.56 17.42	22995 18.32
Doctor/Dentist	169 0.13 11.36 1.12	321 0.26 21.54 1.03	684 0.55 45.91 1.31	316 0.25 21.19 1.16	1491 1.19
School/Church	1121 0.89 15.12 7.44	1493 1.19 20.14 4.77	2970 2.37 40.05 5.71	1831 1.46 24.69 6.74	7415 5.91
Vacation	9 0.01 6.30 0.06	21 0.02 14.10 0.07	88 0.07 58.87 0.17	31 0.02 20.74 0.11	149 0.12
Visit Friends or Relatives	2157 1.72 17.59 14.31	3324 2.65 27.11 10.63	4835 3.85 39.43 9.29	1946 1.55 15.87 7.17	12262 9.77
Pleasure Driving	49 0.04 11.50 0.33	94 0.08 22.12 0.30	194 0.15 45.43 0.37	89 0.07 20.95 0.33	427 0.34
Other Social or Recreational	1718 1.37 11.27 11.40	3455 2.75 22.67 11.04	6372 5.08 41.81 12.24	3697 2.94 24.25 13.62	15243 12.14
Other	155 0.12 9.84 1.03	384 0.31 24.38 1.23	730 0.58 46.38 1.40	305 0.24 19.40 1.13	1574 1.25
TOTAL	15070 12.00	31284 24.92	52050 41.46	27141 21.62	125545 100.00

TABLE E-67
 DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE AND INCOME
 (TRAVEL PERIOD TRIPS EXCLUDED)
 (1983 TRAVEL DAY FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Family Income				TOTAL
	Under \$10,000	\$10,000- 19,999	\$20,000- 39,999	\$40,000 and over	
To or From Work	22652 2.50 7.66 24.49	63085 6.98 21.34 29.72	139000 15.37 47.03 34.97	70839 7.83 23.97 35.06	295575 32.69
Work Related Business	3136 0.35 8.95 3.39	9247 1.02 26.40 4.36	15703 1.74 44.83 3.95	6942 0.77 19.82 3.44	35028 3.87
Shopping	14443 1.60 11.67 15.61	32067 3.55 25.92 15.11	50380 5.57 40.72 12.67	26819 2.97 21.68 13.27	123709 13.68
Other Family or Personal Business	15572 1.72 11.55 16.83	34471 3.81 25.57 16.24	56715 6.27 42.06 14.27	28075 3.10 20.82 13.90	134833 14.91
Doctor/Dentist	1964 0.22 14.11 2.12	3235 0.36 23.25 1.52	5683 0.63 40.83 1.43	3035 0.34 21.81 1.50	13916 1.54
School/Church	4617 0.51 11.87 4.99	7961 0.88 20.47 3.75	15255 1.69 39.23 3.84	11050 1.22 28.42 5.47	38883 4.30
Vacation	265 0.03 1.72 0.29	1818 0.20 11.83 0.86	11239 1.24 73.14 2.83	2044 0.23 13.30 1.01	15366 1.70
Visit Friends or Relatives	15757 1.74 13.71 17.03	31371 3.47 27.30 14.78	46820 5.18 40.74 11.78	20976 2.32 18.25 10.38	114923 12.71
Pleasure Driving	641 0.07 7.39 0.69	3111 0.34 35.86 1.47	2903 0.32 33.47 0.73	2020 0.22 23.28 1.00	8675 0.96
Other Social or Recreational	12765 1.41 11.13 13.80	23569 2.61 20.55 11.10	49799 5.51 43.42 12.53	28559 3.16 24.90 14.14	114692 12.68
Other	701 0.08 8.05 0.76	2338 0.26 26.84 1.10	3991 0.44 45.82 1.00	1679 0.19 19.28 0.83	8709 0.96
TOTAL	92513 10.23	212271 23.47	397487 43.95	202037 22.34	904309 100.00

TABLE E-68
DISTRIBUTION OF VEHICLE TRIPS BY TRIP PURPOSE
AND TRIP DISTANCE
TRAVEL PERIOD TRIPS EXCLUDED
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Trip Distance						TOTAL
	5 and under	6-10	11-15	16-20	21-30	Over 30	
To or From Work	18568 14.79 52.64 23.51	7577 6.04 21.48 32.06	3927 3.13 11.13 40.42	2301 1.83 6.52 42.82	1774 1.41 5.03 42.91	1123 0.89 3.18 30.34	35270 28.09
Work Related Business	1951 1.55 54.89 2.47	613 0.49 17.26 2.60	378 0.30 10.63 3.89	204 0.16 5.73 3.79	169 0.13 4.74 4.07	240 0.19 6.75 6.48	3555 2.83
Shopping	18867 15.03 74.98 23.89	3673 2.93 14.59 15.54	1232 0.98 4.90 12.69	595 0.47 2.36 11.07	442 0.35 1.76 10.68	355 0.28 1.41 9.58	25164 20.04
Other Family or Personal Business	16076 12.81 69.91 20.35	3866 3.08 16.81 16.36	1386 1.10 6.03 14.27	658 0.52 2.86 12.24	498 0.40 2.16 12.03	511 0.41 2.22 13.80	22993 18.32
School/Church	5111 4.07 68.93 6.47	1578 1.26 21.29 6.68	429 0.34 5.79 4.42	126 0.10 1.69 2.34	81 0.06 1.09 1.95	90 0.07 1.22 2.44	7414 5.91
Doctor/Dentist	596 0.47 39.97 0.75	535 0.43 35.86 2.26	157 0.13 10.57 1.62	79 0.06 5.31 1.47	58 0.05 3.92 1.41	65 0.05 4.37 1.76	1491 1.19
Vacation	22 0.02 14.53 0.03	22 0.02 14.75 0.09	2 0.00 1.46 0.02	3 0.00 2.01 0.06	5 0.00 3.50 0.13	95 0.08 63.74 2.57	149 0.12
Visit Friends or Relatives	6954 5.54 56.72 8.80	2469 1.97 20.14 10.45	980 0.78 7.99 10.09	735 0.59 5.99 13.68	527 0.42 4.30 12.75	596 0.47 4.86 16.10	12261 9.77
Pleasure Driving	122 0.10 28.46 0.15	87 0.07 20.30 0.37	54 0.04 12.55 0.55	33 0.03 7.69 0.61	75 0.06 17.53 1.81	58 0.05 13.47 1.55	427 0.34
Other Social or Recreational	9622 7.66 63.13 12.18	2919 2.33 19.15 12.35	1087 0.87 7.13 11.19	591 0.47 3.88 11.00	485 0.39 3.18 11.73	537 0.43 3.52 14.50	15242 12.14
Other	1094 0.87 69.53 1.39	295 0.23 18.72 1.25	82 0.06 5.18 0.84	49 0.04 3.14 0.92	22 0.02 1.37 0.52	32 0.03 2.05 0.87	1574 1.25
TOTAL	78982 62.91	23634 18.83	9713 7.74	5373 4.28	4135 3.29	3702 2.95	125540 100.00

TABLE E-69
DISTRIBUTION OF VEHICLE MILES OF TRAVEL BY TRIP PURPOSE
AND TRIP DISTANCE
(TRAVEL PERIOD TRIPS EXCLUDED)
(1983 DAYTRIP FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Trip Distance						TOTAL
	5 and under	6-10	11-15	16-20	21-30	Over 30	
To or From Work	45534 5.03 15.40 25.51	60317 6.67 20.40 31.90	52535 5.81 17.77 40.22	42744 4.73 14.46 42.60	45395 5.02 15.36 42.41	49097 5.43 16.61 24.69	295622 32.69
Work Related Business	4433 0.49 12.65 2.48	4950 0.55 14.13 2.62	5292 0.59 15.11 4.05	3844 0.43 10.98 3.83	4553 0.50 13.00 4.25	11955 1.32 34.13 6.01	35028 3.87
Shopping	38590 4.27 31.19 21.62	29337 3.24 23.71 15.52	16586 1.83 13.41 12.70	11057 1.22 8.94 11.02	11345 1.25 9.17 10.60	16794 1.86 13.58 8.45	123709 13.68
Other Family or Personal Business	34377 3.80 25.50 19.26	30628 3.39 22.72 16.20	18536 2.05 13.75 14.19	12192 1.35 9.04 12.15	13063 1.44 9.69 12.21	26037 2.88 19.31 13.09	134833 14.91
Doctor/Dentist	1575 0.17 11.32 0.88	4220 0.47 30.33 2.23	2203 0.24 15.83 1.69	1543 0.17 11.09 1.54	1467 0.16 10.54 1.37	2908 0.32 20.89 1.46	13916 1.54
School/Church	11439 1.26 29.42 6.41	12699 1.40 32.66 6.72	5686 0.63 14.62 4.35	2485 0.27 6.39 2.48	2123 0.23 5.46 1.98	4451 0.49 11.45 2.24	38883 4.30
Vacation	64 0.01 0.42 0.04	211 0.02 1.37 0.11	33 0.00 0.21 0.03	54 0.01 0.35 0.05	136 0.02 0.89 0.13	14868 1.64 96.76 7.48	15366 1.70
Visit Friends or Relatives	15937 1.76 13.87 8.93	20223 2.24 17.60 10.70	13091 1.45 11.39 10.02	13669 1.51 11.89 13.62	13435 1.49 11.69 12.55	38569 4.26 33.56 19.40	114924 12.71
Pleasure Driving	414 0.05 4.77 0.23	708 0.08 8.16 0.37	791 0.09 9.12 0.61	657 0.07 7.58 0.65	2080 0.23 23.97 1.94	4025 0.45 46.40 2.02	8675 0.96
Other Social or Recreational	23705 2.62 20.67 13.28	23318 2.58 20.33 12.33	14811 1.64 12.91 11.34	11151 1.23 9.72 11.11	12823 1.42 11.18 11.98	28885 3.19 25.18 14.53	114692 12.68
Other	2404 0.27 27.60 1.35	2464 0.27 28.29 1.30	1043 0.12 11.98 0.80	943 0.10 10.83 0.94	606 0.07 6.96 0.57	1249 0.14 14.34 0.63	8709 0.96
TOTAL	178472 19.73	189074 20.91	130607 14.44	100339 11.10	107027 11.83	198837 21.99	904357 100.00

TABLE E-70
DISTRIBUTION OF PERSONS BY URBANIZED AREA SIZE
(1983 PERSON FILE - WEIGHED IN THOUSANDS)

Urbanized Area Size	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
50,000 to 199,999	22670	22670	9.869	9.869
200,000 to 749,999	30130	52800	13.117	22.986
750,000 to 1,249,999	16975	69776	7.390	30.376
No rail, 1,250,000 or more	33508	103285	14.587	44.963
Rail, 1,250,000 or more	39549	142835	17.217	62.180
Unknown Size	3199	146034	1.393	63.573
Not Urbanized Area, 5,000 or more	20353	166387	8.860	72.433
Not Urbanized Area, Under 5,000	63323	229711	27.567	100.000

TABLE E-71
 DISTRIBUTION OF PERSON TRIPS BY TRIP PURPOSE AND MEANS
 (1983 PERSON FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Auto Driver		Auto Passeng.		Truck		Motor-cycle		Other Bus		Other Train		Subway		Airplane		Taxi		School Bus		Other	TOTAL
To or From Work	28078	4898	6784	277	1330	312	410	4	49	2631	44823											
	12.94	2.26	3.13	0.13	0.61	0.14	0.19	0.00	0.02	1.21	20.66											
	52.64	10.93	15.13	0.62	2.97	0.70	0.91	0.01	0.11	5.87												
	28.14	8.09	29.94	32.55	34.39	60.11	57.03	2.50	11.88	12.19												
Work Related Business	2867	691	856	25	85	31	59	70	46	486	5214											
	1.32	0.32	0.39	0.01	0.04	0.01	0.03	0.03	0.02	0.22	2.40											
	54.98	13.25	16.41	0.47	1.63	0.59	1.12	1.34	0.88	9.32												
	2.87	1.14	3.78	2.89	2.19	5.97	8.15	41.87	11.17	2.25												
Shopping	20405	11651	3684	139	301	10	30	9	15	3216	39460											
	9.40	5.37	1.70	0.06	0.14	0.00	0.01	0.00	0.01	1.48	18.19											
	51.71	29.53	9.34	0.35	0.76	0.02	0.08	0.02	0.04	8.15												
	20.45	19.25	16.26	16.38	7.79	1.89	4.14	5.09	3.72	14.90												
Other Family or Personal Business	18691	8291	4492	67	291	39	51	0	42	2908	34871											
	8.61	3.82	2.07	0.03	0.13	0.02	0.02	0.00	0.02	1.34	16.07											
	53.60	23.77	12.88	0.19	0.83	0.11	0.15	0.00	0.12	8.34												
	18.73	13.70	19.83	7.85	7.51	7.60	7.13	0.00	10.11	13.47												
Doctor/Dentist	1199	1142	176	0	46	11	27	0	34	94	2738											
	0.55	0.53	0.08	0.00	0.02	0.00	0.01	0.00	0.02	0.04	1.26											
	43.80	41.72	6.43	0.00	1.68	0.39	0.99	0.00	1.23	3.44												
	1.20	1.89	0.78	0.00	1.19	2.05	3.77	0.00	8.18	0.44												
School/Church	5736	8061	958	45	1153	45	51	0	6	4146	25828											
	2.64	3.71	0.44	0.02	0.53	0.02	0.02	0.00	0.00	1.91	11.90											
	22.21	31.21	3.71	0.18	4.47	0.17	0.20	0.00	0.02	16.05												
	5.75	13.32	4.23	5.34	29.81	8.65	7.05	0.00	1.34	19.21												
TOTAL	99784	60532	22857	851	3868	518	719	167	411	21586	216980*											
	45.99	27.90	10.44	0.39	1.78	0.24	0.33	0.08	0.19	9.95	100.00											

* 7,405 million trips not included because means was unknown.

TABLE E-71 (CONTINUED)
 DISTRIBUTION OF PERSON TRIPS BY TRIP PURPOSE AND MEANS
 (1983 PERSON FILE - WEIGHTED IN MILLIONS)

FREQUENCY PERCENT ROW PCT COL PCT	Auto	Auto	Truck	Motor-	Other	Other	Subway	Airplane	Taxi	School	Other	TOTAL
	Driver	Passeng.		cycle	Bus	Train				Bus		
Vacation	110	325	17	0	10	0	0	55	19	0	59	596
	0.05	0.15	0.01	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.03	0.27
	18.39	54.60	2.91	0.00	1.66	0.00	0.00	9.27	3.25	0.00	9.91	
	0.11	0.54	0.08	0.00	0.26	0.00	0.00	33.09	4.72	0.00	0.27	
Visit Friends or	9619	8128	2485	101	278	26	42	9	86	0	2919	23695
Relatives	4.43	3.75	1.15	0.05	0.13	0.01	0.02	0.00	0.04	0.00	1.35	10.92
	40.60	34.30	10.49	0.43	1.17	0.11	0.18	0.04	0.36	0.00	12.32	
	9.64	13.43	10.97	11.92	7.17	5.10	5.90	5.36	21.04	0.00	13.52	
Pleasure Driving	307	674	74	76	0	0	0	0	0	0	53	1183
	0.14	0.31	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.55
	25.93	56.96	6.23	6.41	0.00	0.00	0.00	0.00	0.00	0.00	4.48	
	0.31	1.11	0.33	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.25	
Other Social or	11691	13966	2586	115	331	45	49	10	114	176	4544	33629
Recreational	5.39	6.44	1.19	0.05	0.15	0.02	0.02	0.00	0.05	0.08	2.09	15.50
	34.77	41.53	7.69	0.34	0.99	0.13	0.15	0.03	0.34	0.52	13.51	
	11.72	23.07	11.41	13.51	8.56	8.63	6.83	6.15	27.85	3.00	21.05	
Other	1081	2705	546	6	43	0	0	10	0	23	530	4943
	0.50	1.25	0.25	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.24	2.28
	21.87	54.73	11.05	0.12	0.87	0.00	0.00	0.20	0.00	0.46	10.71	
	1.08	4.47	2.41	0.67	1.11	0.00	0.00	5.93	0.00	0.39	2.45	
TOTAL	99784	60532	22657	851	3868	518	719	167	411	5886	21586	216980*
	45.99	27.90	10.44	0.39	1.78	0.24	0.33	0.08	0.19	2.71	9.95	100.00

* 7,405 million trips not included because means was unknown.

TABLE E-72
DISTRIBUTION OF PERSON TRIPS BY AGE AND MODE OF TRANSPORTATION

	Age								All
	5-15	16-19	20-29	30-39	40-49	50-59	60-64	65 and Over	
1977									
Private Vehicle									
Auto, Driver	.5	38.6	55.6	61.4	62.1	59.2	57.3	46.8	44.5
Auto, Passenger	57.8	31.7	21.4	17.7	17.9	20.2	22.2	28.6	30.2
Pickup	4.9	5.2	9.7	11.0	11.0	9.9	8.2	5.5	8.5
Other Private Vehicle	.2	.9	1.2	.7	.7	.8	.4	.4	.7
Subtotal-Private	63.4	76.4	87.9	90.8	91.7	90.1	88.1	81.3	83.9
Public Transportation									
Bus, Streetcar	3.0	2.7	1.6	1.3	1.2	1.8	2.0	3.0	1.9
Train	.0	.1	.3	.3	.3	.3	.3	.0	.2
Subway, Elevated Rail	.1	.1	.6	.5	.3	.3	.3	.1	.3
Subtotal-Public	3.1	2.9	2.5	2.1	1.8	2.4	2.6	3.1	2.4
Other Means									
Walk	15.8	14.5	8.0	5.5	5.4	6.3	8.1	14.3	9.3
Bike	1.8	1.5	.5	.3	.1	.1	.2	.2	.6
School Bus	15.2	3.9	.2	.1	.1	.0	.0	.0	2.8
Airplane	.0	.0	.1	.1	.1	.1	.1	.1	.1
Other	.7	.8	.8	1.1	.8	1.0	.9	1.0	.9
Subtotal-Other	33.5	20.7	9.6	7.1	6.5	7.5	9.3	15.6	13.7
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
ALL MODES	16.1	10.2	22.8	17.1	12.5	11.0	3.8	6.5	100.0
1983									
Private Vehicle									
Auto, Driver	.0	34.4	51.0	56.5	56.0	54.4	53.8	47.2	44.4
Auto, Passenger	56.3	30.0	21.3	18.9	19.6	22.4	21.8	30.0	27.0
Pickup	6.1	6.8	11.2	11.7	12.6	10.7	13.3	6.5	10.1
Other Private Vehicle	.2	.8	.6	.4	.6	.3	.1	.2	.5
Subtotal-Private	62.6	72.0	84.1	87.5	88.8	87.8	89.0	83.9	82.0
Public Transportation									
Bus, Streetcar	2.8	3.0	1.7	1.3	1.0	1.2	1.5	2.3	1.7
Train	.0	.1	.3	.2	.3	.3	.1	.2	.2
Subway, Elevated Rail	.1	.2	.4	.4	.3	.3	.2	.1	.3
Subtotal-Public	2.9	3.3	2.4	1.9	1.6	1.8	1.8	2.6	2.2
Other Means									
Walk	10.5	15.6	9.9	5.9	4.6	6.8	6.4	10.4	8.5
Bike	1.8	1.6	.8	.5	.4	.1	.0	.3	.8
School Bus	15.9	4.8	.1	.0	.0	.0	.0	.0	2.6
Airplane	.0	.0	.1	.1	.1	.1	.1	.1	.1
Other	6.3	2.7	2.6	4.1	4.5	3.4	2.7	2.7	3.8
Subtotal-Other	34.5	24.7	13.5	10.6	9.6	10.4	9.2	13.5	15.8
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL MODES	13.8	8.3	22.7	20.3	12.5	10.8	4.4	7.2	100.0

TABLE E-73
DISTRIBUTION OF PERSON TRIPS BY AGE AND MODE OF TRANSPORTATION
1983 - MALES

	Age							65 and Over	All
	5-15	16-19	20-29	30-39	40-49	50-59	60-64		
Private Vehicle									
Auto, Driver	.0	39.6	51.6	53.4	49.9	55.9	59.4	56.6	44.5
Auto, Passenger	54.8	22.4	16.5	14.8	15.4	15.3	11.7	17.3	21.7
Pickup	5.8	9.0	16.8	19.1	21.1	17.5	19.2	10.6	15.3
Other Private Vehicle	.3	1.4	1.1	.8	1.2	.6	.0	.3	.8
Subtotal-Private	60.9	72.4	86.0	88.1	87.6	89.3	90.3	84.8	82.3
Public Transportation									
Bus, Streetcar	2.5	2.8	1.5	.7	1.0	.7	.9	2.1	1.5
Train	.0	.2	.5	.4	.5	.3	.0	.3	.3
Subway, Elevated Rail	.2	.1	.3	.5	.3	.4	.2	.1	.3
Subtotal-Public	2.7	3.1	2.3	1.6	1.8	1.4	1.1	2.5	2.1
Other Means									
Walk	10.7	14.4	8.5	5.9	4.8	5.8	4.7	8.3	7.9
Bike	2.9	2.1	.9	.5	.4	.1	.0	.4	1.0
School Bus	16.9	5.1	.0	.1	.0	.0	.0	.0	2.9
Airplane	.0	.0	.1	.1	.2	.2	.1	.1	.1
Other	5.9	2.9	2.2	3.7	5.2	3.2	3.8	3.8	3.7
Subtotal-Other	36.4	24.5	11.7	10.3	10.6	9.3	8.6	12.7	15.6
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL MODES	14.2	8.4	23.6	18.8	12.5	10.4	4.8	7.3	100.0

TABLE E-74
DISTRIBUTION OF PERSON TRIPS BY AGE AND MODE OF TRANSPORTATION
1983 - FEMALES

	Age							65 and Over	All
	5-15	16-19	20-29	30-39	40-49	50-59	60-64		
Private Vehicle									
Auto, Driver	.0	29.5	50.3	58.7	61.9	53.0	47.4	38.1	44.3
Auto, Passenger	57.6	37.3	26.5	22.4	23.7	28.6	33.4	42.3	32.0
Pickup	6.3	4.7	5.4	5.6	4.3	4.6	6.5	2.6	5.1
Other Private Vehicle	.2	.3	.1	.1	.1	.0	.1	.1	.1
Subtotal-Private	64.1	71.8	82.3	86.8	90.0	86.2	87.4	83.1	81.5
Public Transportation									
Bus, Streetcar	3.0	3.1	1.8	1.7	1.0	1.7	2.3	2.3	2.0
Train	.1	.1	.2	.1	.2	.3	.2	.1	.2
Subway, Elevated Rail	.1	.3	.5	.3	.3	.2	.2	.1	.3
Subtotal-Public	3.2	3.5	2.5	2.1	1.5	2.2	2.7	2.5	2.5
Other Means									
Walk	10.3	16.6	11.3	6.0	4.3	7.8	8.4	12.5	9.2
Bike	.7	1.0	.7	.6	.3	.1	.0	.2	.5
School Bus	14.9	4.5	.1	.0	.0	.0	.0	.0	2.4
Airplane	.1	.0	.1	.0	.1	.0	.1	.1	.1
Other	6.7	2.6	3.0	4.5	3.8	3.7	1.4	1.6	3.8
Subtotal-Other	32.7	24.7	15.2	11.1	8.5	11.6	9.9	14.4	16.0
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL MODES	13.5	8.2	21.8	21.8	12.4	11.1	4.0	7.2	100.0

TABLE E-75
AVERAGE DAILY PERSON MILES OF TRAVEL BY SMSA SIZE AND TRIP PURPOSE
(SMSA HOUSEHOLDS ONLY)

	<u>Less than</u> <u>250,000</u>	<u>250,000</u> <u>-499,999</u>	<u>500,000</u> <u>-999,999</u>	<u>1,000,000</u> <u>-2,999,999</u>	<u>3,000,000</u> <u>and Over</u>	<u>Total</u>
MILES						
1977						
Earning a Living	6.1	5.7	6.3	8.5	7.8	7.2
Family and Personal Business	5.6	5.1	6.3	5.2	4.3	5.2
Civic, Educational, and Religious	1.9	1.6	1.5	1.6	1.1	1.5
Social and Recreational	9.7	9.0	7.8	8.8	6.6	8.2
Other	3.0	3.1	2.1	1.0	.9	1.7
ALL	26.4	24.4	24.0	25.1	20.6	23.9
1983						
Earning a Living	4.5	6.0	5.9	6.7	6.9	6.0
Family and Personal Business	5.4	6.2	5.8	5.7	4.8	6.0
Civic, Educational, and Religious	1.4	1.6	1.4	1.4	1.1	1.5
Social and Recreational	8.0	10.4	16.1	8.7	6.3	9.1
Other	.5	.3	.2	.5	.2	.5
ALL	19.7	24.4	29.5	23.0	19.3	23.2

TABLE E-76
AVERAGE PERSON TRIP LENGTH (MILES) BY PLACE OF RESIDENCE INSIDE/OUTSIDE SMSA
AND TRIP PURPOSE

	<u>Inside SMSA</u>			<u>Outside SMSA</u>	<u>All</u>
	<u>Within Central City</u>	<u>Not in Central City</u>	<u>Subtotal</u>		
MILES					
1977					
Earning a Living	9.2	11.9	10.6	10.2	10.5
Family and Personal Business	5.1	6.5	5.8	7.7	6.4
Civic, Educational, and Religious	3.7	4.9	4.3	5.2	4.6
Social and Recreational	9.8	12.4	11.1	11.4	11.2
Other	*	*	*	*	*
TOTAL	7.9	9.7	8.8	9.4	9.0
1983					
Earning a Living	8.9	10.9	10.0	9.8	9.9
Family and Personal Business	5.1	6.3	5.9	7.5	6.3
Civic, Educational, and Religious	4.0	5.0	4.5	6.2	4.9
Social and Recreational	9.6	15.0	12.7	11.2	12.3
Other	4.4	6.5	5.9	14.0	8.0
TOTAL	7.1	9.5	8.5	9.1	8.7

*Insufficient data.

TABLE E-77
DISTRIBUTION OF PERSON TRIPS BY EMPLOYMENT STATUS
AND MODE OF TRANSPORTATION
(1983)

	<u>Working</u>	<u>With Job, Not at Work</u>	<u>Looking for Work</u>	<u>Keeping House</u>	<u>Going to School</u>	<u>Unable to Work</u>	<u>Retired</u>	<u>Other</u>	<u>Total</u>
Private Vehicle									
Auto, Driver	56.1	50.3	48.2	43.7	28.8	39.1	54.4	38.8	51.6
Auto, Passenger	18.5	22.8	17.5	33.9	29.3	29.4	22.5	31.6	22.3
Pickup	12.3	13.3	9.7	6.1	3.8	13.4	9.6	11.1	10.6
Other Private Vehicle	.6	.7	.6	.0	.4	.0	.1	.1	.5
Subtotal-Private	87.5	87.1	76.0	83.7	62.3	81.9	86.6	81.6	85.0
Public Transportation									
Bus, Streetcar	1.5	.7	2.2	1.3	4.5	1.5	1.5	1.6	1.6
Train	.4	.1	.0	.1	.2	.0	.0	.1	.3
Subway, Elevated Rail	.4	.3	.2	.1	.4	.4	.0	.3	.3
Subtotal-Public	2.3	1.1	2.4	1.5	5.1	1.9	1.5	2.0	2.2
Other Means									
Walk	6.1	6.5	17.3	10.2	23.5	10.1	8.2	11.0	8.2
Bike	.5	.6	1.7	.5	1.1	1.4	.4	1.4	.6
School Bus	.2	.0	.0	.0	6.0	.7	.0	.9	.5
Airplane	.1	.4	.0	.0	.0	.0	.1	.2	.1
Other	3.3	4.3	2.6	4.1	2.0	4.0	3.2	2.9	3.4
Subtotal-Other	10.2	11.8	21.6	14.8	32.6	16.2	11.9	16.4	12.8
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE E-78
DISTRIBUTION OF PERSON TRIPS BY EMPLOYMENT STATUS AND PURPOSE
(1983)

<u>Trip Purpose</u>	<u>Working</u>	<u>With a Job/Not at Work</u>	<u>Looking for Work</u>	<u>Keeping House</u>	<u>Going to School</u>	<u>Unable to Work</u>	<u>Retired</u>	<u>Other</u>	<u>Total</u>
Earning a Living									
Home to Work	35.4	10.8	2.5	.5	.2	.2	.2	1.5	20.5
Work Related	3.5	3.4	2.5	.3	.9	.2	.7	.6	2.4
Subtotal	38.9	14.2	5.0	.8	1.1	.4	.9	2.1	22.9
Family and Personal Business									
Shopping	16.0	22.4	26.0	30.3	11.0	24.6	33.0	12.1	18.1
Medical or Dental	.7	2.4	.6	3.0	.6	4.7	2.8	1.3	1.2
Other	15.7	21.5	23.1	22.3	9.6	29.0	19.1	11.6	16.1
Subtotal	32.4	46.3	49.7	55.6	21.2	58.3	54.9	25.0	35.4
Civic, Educational and Religious	5.1	5.4	3.1	7.9	39.5	5.5	6.7	32.9	11.8
Social and Recreational									
Visiting Friends	8.6	13.3	22.8	15.2	11.8	16.3	11.5	13.7	11.0
Pleasure Driving	.4	.7	.1	.6	.5	2.3	1.5	.6	.5
Vacations	.1	2.7	.2	.1	.0	.0	.3	.4	.3
Other	13.4	16.0	16.3	17.5	23.5	13.5	20.4	19.1	15.8
Subtotal	22.5	32.7	39.4	33.4	35.8	32.1	33.7	33.8	27.6
Other	1.1	1.4	2.8	2.3	2.4	3.7	3.8	6.2	2.3
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0