

Transportation—Land

This section presents statistics on revenues, passenger and freight traffic volume, and employment in various revenue-producing modes of the transportation industry, including motor vehicles, trains, and pipelines. Data are also presented on commuting travel, highway mileage and finances, motor vehicle travel, accidents, sales, and registrations, automobile operating costs, and characteristics of public transit, railroads, and pipelines.

The principal compiler of data on public roads and on operation of motor vehicles is the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). These data appear in FHWA's annual *Highway Statistics* and other publications. The U.S. Interstate Commerce Commission (ICC) presents data on interstate land transport in its publications, the *Annual Report to Congress* and the *Transport Statistics in the United States*, which contain data on railroads and motor carriers subject to ICC regulations.

The U.S. National Highway Traffic Safety Administration issues data on traffic accident deaths and death rates in two annual reports: the *Fact Book* and the *Fatal Accident Reporting System Annual Report*. DOT's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident/Incident Bulletin*, and the *Rail-Highway Crossing Accident/Incident and Inventory Bulletin*.

Various censuses and surveys conducted by the U.S. Bureau of the Census also provide data. Results of the censuses of transportation are presented in the *Truck Inventory and Use Survey*. The *Annual Survey of Manufactures* and reports of the censuses of manufactures, wholesale and retail trade, and service industries contain statistics on the motor vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Data on persons commuting to work were collected as part of the 1980 census and are in various census reports.

In Brief

Transportation outlays reached \$1,064 billion in 1993

State gasoline tax rates for 1995—

*Lowest rate, 7.5 cents/gallon
in Georgia*

*Highest rate, 34 cents/gallon
in Connecticut*

Data are also presented in many non-government publications. Among them are the weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published by the Association of American Railroads, Washington, DC; and the *Transit Fact Book*, containing electric railway and motorbus statistics, published annually by the American Public Transit Association, Washington, DC. Useful annual handbooks in the field of transportation are *Motor Vehicle Facts and Figures* and *World Motor Vehicle Data*, issued by the American Automobile Manufacturers Association (AAMA), Detroit, MI; *Accident Facts*, issued by the National Safety Council, Chicago, IL; and *Transportation in America*, issued by the ENO Foundation for Transportation, Westport, Connecticut.

Urban and rural highway mileage—

Beginning in 1980, mileage is classified in urban and rural categories, rather than municipal and rural. Urban denotes the Federal-aid legislation definition of an area. Such areas include, as a minimum, a census place with a population of 5,000 to 49,999 or a designated urbanized area with a population of 50,000 or more. These Federal-aid urban areas may extend beyond corporate and census boundaries, and thus are not necessarily coextensive with municipal boundaries. Rural in 1980 refers to non-Federal-aid urban area mileage. Prior to 1980, municipal referred to roads within incorporated places, densely populated New England towns, and certain of the

more populous unincorporated areas and rural to non-municipal roads.

Federal-aid Highway Systems—The Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 eliminated the historical Federal-aid Systems and created the National Highway System (NHS) and other Federal-aid highway categories. The final NHS was approved by Congress in December of 1995 under the National Highway System Designation Act.

Functional Systems—Roads and streets are assigned to groups according to the character of service they are intended to provide. The functional systems are (1) arterial highways that generally handle the long trips, (2) collector facilities that collect and disperse traffic between the arterials and the lower systems, and (3) local roads and streets that primarily serve direct access to residential areas.

Regulatory bodies—The ICC, created by the U.S. Congress to regulate transportation in interstate commerce, has jurisdiction over railroads, trucking companies, bus lines, freight forwarders, water carriers, coal slurry pipelines, and transportation brokers. The Federal Energy Regulatory Commission is responsible for setting rates and charges for transportation and sale of natural gas and for establishing rates or charges for transportation.

Motor carriers—For 1960-73, class I for-hire motor carriers of freight were classified by the ICC as those with \$1 million or more of gross annual operating revenue; 1974-79, the class I minimum was \$3 million. Effective January 1, 1980, class I carriers are those with \$5 million or more in revenue. For 1960-68, class I motor carriers of passengers were classified by the ICC as those with \$200,000 or more of gross annual operating revenue; for 1969-76, as those with revenues of \$1 million or more; and since 1977, as those with \$3 million or more. Effective January 1, 1988, class I motor carriers of passengers are those with \$5 million or more in operating revenues; class II less than \$5 million in operating revenues.

Railroads—Railroad companies reporting to the ICC are divided into specific

groups as follows: (1) Regular line-haul (interstate) railroads (and their non-operating subsidiaries); (2) switching and terminal railroads; (3) private railroads prior to 1964 (identified by ICC as "circular" because they reported on brief circulars); and (4) unofficial railroads, so designated when their reports are received too late for tabulation. For the most part, the last three groups are not included in the statistics shown here.

For years prior to 1978, class I railroads were those with annual revenues of \$1 million or more for 1950-55; \$3 million or more for 1956-64; \$5 million or more for 1965-75; and \$10 million or more for 1976-77. In 1978, the classification became class I, those having more than \$50 million gross annual operating revenue; class II, from \$10 million to \$50 million; and class III, less than \$10 million. Effective January 1, 1982, the ICC adopted a procedure to adjust the threshold for inflation by restating current revenues in constant 1978 dollars. In 1990, the criteria for class I and class II railroads were \$94.4 million and \$18.9 million, respectively. Also effective January 1, 1982, the ICC adopted a *Carrier Classification Index Survey Form* for carriers not filing annual report form R-1 with the commission. Effective January 1, 1992, the ICC adopted new revenue classification levels as follows: Class I—\$250 million or more; Class II—less than \$250 million but in excess of \$20 million; Class III—\$20 million or less. The inflation adjustment index still applies. Class II and class III railroads are currently exempted from filing any financial report with the Commission. The form is used for reclassifying carriers.

Statistical reliability—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability, see Appendix III.

Historical statistics—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 984. Passenger and Freight Transportation Outlays, by Type of Transport: 1975 to 1993

[In billions of dollars. Freight data include outlays for mail and express. ICC=Interstate Commerce Commission]

TYPE OF TRANSPORT	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total outlays ¹	298	543	593	591	643	716	753	761	808	869	916	965	952	997	1,064
Passenger, total	187	338	374	379	411	460	492	493	528	572	604	630	613	638	683
Private transportation	161	285	317	321	348	387	418	415	445	481	508	528	509	532	571
Automobiles	156	277	307	313	340	379	410	407	436	472	498	517	499	522	560
New and used cars	42	73	83	86	105	126	139	157	151	164	164	166	153	164	173
Tires, tubes, accessories	12	22	25	25	26	27	30	29	21	23	24	25	26	26	28
Gasoline and oil	54	100	111	105	106	106	107	82	94	97	107	121	114	115	116
Insurance less claims	5	12	11	11	12	12	12	14	17	19	19	20	25	27	29
Interest on debt	7	18	21	22	20	25	27	27	29	34	37	36	32	26	30
Registration and operator's permit fees	2	3	4	4	4	5	5	6	6	6	7	7	7	8	9
Repair, greasing, washing, parking, tolls	22	39	42	45	47	52	60	60	75	84	90	94	94	102	112
Air	5	8	9	8	7	8	8	8	9	10	10	10	10	10	11
For-hire transportation	26	53	57	59	63	72	74	77	84	91	96	103	104	106	112
Local	11	20	22	23	24	27	27	30	31	32	33	34	36	36	37
Bus and transit	5	9	10	11	12	13	14	15	15	16	16	17	18	18	18
School bus	2	4	5	5	5	6	6	6	7	7	7	8	8	8	8
Taxi	3	5	5	6	5	6	6	6	6	7	7	8	8	7	8
Intercity	13	28	30	30	33	39	40	40	44	48	51	53	53	53	58
Air	11	25	27	27	30	34	36	36	40	44	47	50	49	49	54
Rail	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Bus	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
International	3	5	5	5	6	7	7	7	9	11	12	15	16	17	18
Freight, total	116	214	228	222	243	268	274	281	294	313	329	352	356	376	397
Highway	85	155	165	163	182	200	206	213	225	239	254	271	274	293	311
Truck, intercity	47	95	97	100	111	121	123	158	135	143	151	162	165	177	190
Truck, local	37	61	68	63	71	79	82	85	90	96	103	108	110	116	122
Rail	17	28	31	27	27	31	29	28	29	30	30	30	30	31	31
Water	8	16	17	16	16	18	18	19	19	20	20	21	20	20	21
Oil pipeline	2	8	8	9	9	9	9	9	9	8	8	8	8	9	9
Air carrier	2	4	4	4	5	6	7	8	9	10	12	14	14	15	16
Percent change, total	5.4	10.3	9.1	-0.2	8.8	11.3	5.2	1.0	6.1	7.6	5.4	5.4	-1.4	4.7	6.7
Passenger, total	9.4	9.9	10.6	1.4	8.3	11.9	7.1	0.1	7.2	8.3	5.6	4.4	-2.7	4.1	7.0
Private transportation	9.2	7.9	11.2	1.3	8.4	11.4	8.0	-0.7	7.0	8.2	5.6	4.0	-3.5	4.5	7.3
Automobiles	9.3	7.7	11.1	1.7	8.8	11.4	8.3	-0.8	7.1	8.1	5.6	3.9	-3.5	4.5	7.3
Air	6.8	14.1	16.0	-12.8	-9.8	10.8	-3.7	3.8	3.7	11.8	-	9.5	-2.9	1.0	7.8
For-hire transportation	11.0	23.3	7.3	2.1	8.0	14.2	2.4	4.6	8.2	8.7	5.8	6.7	1.3	2.5	5.7
Freight	-0.4	10.8	6.9	-2.8	9.5	10.2	2.1	2.7	4.7	6.4	5.1	6.9	1.0	5.6	5.6

Transportation Outlays

¹ Total outlays less than sum of passenger and freight totals, as estimated freight costs included in costs of new cars, gasoline, oil, tires, and tubes have been excluded to prevent duplication.
² Includes business-owned vehicles. ³ Includes storage and rental. ⁴ Includes items not shown separately. ⁵ Includes Federal, State, and local government operating subsidies and capital grants.
⁶ Includes Federal operating subsidies and capital grants for Amtrak.

Source: Eno Transportation Foundation, Inc., Lansdowne, VA, *Transportation in America*, annual (copyright).

No. 985. Employment and Earnings in Transportation, by Industry: 1980 to 1995

[Annual averages of monthly figures. Based on Current Employment Statistics program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Q36-42]

INDUSTRY	SIC ¹ code	1980	1985	1989	1990	1991	1992	1993	1994	1995
NUMBER (1,000)										
Total transportation	(X)	2,960	2,997	3,415	3,527	3,502	3,498	3,587	3,769	3,918
Railroads	40	532	359	293	279	262	254	250	241	239
Class I railroads	4011	482	323	252	241	231	222	218	214	212
Local and interurban passengers	41	265	277	326	338	354	361	374	404	423
Trucking and warehousing	42	1,280	1,361	1,595	1,625	1,606	1,611	1,685	1,794	1,867
Water transportation	44	211	185	172	177	184	173	167	172	174
Air transportation	45	453	522	683	745	733	730	737	753	788
Pipelines, exc. natural gas	46	21	19	19	19	19	19	18	17	15
Transportation services	47	198	275	329	345	344	348	356	389	413
AVERAGE WEEKLY EARNINGS (dol.)										
Class I railroads	4011	427	595	693	727	707	736	782	786	811
Local and interurban passengers	41	217	261	305	310	323	334	339	354	356
Trucking and warehousing	42	358	405	437	451	455	468	479	495	501
Pipelines, exc. natural gas	46	441	629	671	711	733	772	817	872	888

X Not applicable. ¹ 1987 Standard Industrial Classification, see text, section 13.

Source: U.S. Bureau of Labor Statistics, Bulletin 2445 and, and Earnings, March and June issues.

No. 986. Volume of Domestic Intercity Freight and Passenger Traffic, by Type of Transport: 1970 to 1993

[Freight traffic in bil. ton-miles; passenger traffic in bil. passenger-miles. A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. A passenger-mile is the movement of one passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1970*, series Q1-22]

TYPE OF TRANSPORT	TRAFFIC VOLUME						PERCENT DISTRIBUTION					
	1970	1980	1985	1990	1992	1993	1970	1980	1985	1990	1992	1993
Freight traffic, total	1,936	2,487	2,458	2,895	3,009	3,105	100.0	100.0	100.0	100.0	100.0	100.0
Railroads	771	932	895	1,091	1,138	1,183	39.8	37.5	36.4	37.7	37.8	38.1
Truck:												
ICC truck	167	242	250	311	342	365	8.6	9.7	10.2	10.7	11.4	11.8
Non-ICC truck	245	313	360	424	473	506	12.7	12.6	14.6	14.6	15.7	16.3
Water:												
Rivers/canals	205	311	306	390	397	393	10.6	12.5	12.4	13.5	13.2	12.7
Great Lakes	114	96	76	85	77	74	5.9	3.9	3.1	2.9	2.6	2.4
Oil pipelines	431	588	564	584	571	572	22.3	23.6	23.0	20.2	19.0	18.4
Domestic airways ¹	3	5	7	10	11	12	0.2	0.2	0.3	0.4	0.4	0.4
Passenger traffic, total	1,181	1,467	1,635	1,993	2,079	2,126	100.0	100.0	100.0	100.0	100.0	100.0
Private automobiles ²	1,026	1,210	1,310	1,598	1,675	1,718	86.9	82.5	80.1	80.2	80.6	80.8
Domestic airways ²	119	219	290	359	367	370	10.1	14.9	17.7	18.1	17.6	17.4
Bus ³	25	27	24	23	24	23	2.1	1.8	1.5	1.2	1.1	1.1
Railroads ⁴	11	11	11	13	14	14	0.9	0.8	0.7	0.7	0.7	0.7

¹ Revenue service only for scheduled and nonscheduled carriers, with small section 418 all-cargo carriers included from 1980. Includes express mail and excess baggage. ² Includes general aviation (mostly private business) flying. ³ Excludes school and urban transit buses. ⁴ Includes intercity (Amtrak) and rail commuter service.

Source: Eno Transportation Foundation, Inc., Lansdowne VA, *Transportation in America*, annual (copyright).

No. 987. Highway Mileage—Urban and Rural, by Type and Control, and Federal-Aid Highway System: 1980 to 1994

[In thousands, except percent. As of Dec. 31. Data for urban and rural mileage are not comparable to years prior to 1980 because of classification changes; see text, section 21. See also *Historical Statistics, Colonial Times to 1970*, series Q 50, 51, and 55]

TYPE AND CONTROL	1980	1985	1988	1989	1990	1991	1992	1993	1994
Total mileage¹	23,955	3,862	3,871	3,877	3,880	3,889	3,902	3,905	3,906
Urban mileage	624	691	739	754	757	750	785	803	814
Under State control	79	111	96	97	96	96	104	106	110
Under local control	543	578	642	656	661	653	680	696	702
Rural mileage	23,331	3,171	3,132	3,123	3,123	3,139	3,117	3,102	3,093
Percent surfaced ³	77.5	88.1	88.1	88.4	88.6	89.7	88.9	88.7	91.3
Under State control	702	773	704	706	703	703	697	675	690
Under local control	2,270	2,173	2,244	2,238	2,242	2,255	2,239	2,247	2,229
Under Federal control	262	225	183	178	178	182	181	180	174

¹ Beginning 1985, includes only public road mileage as defined 23 USC 402. ² Includes 98,000 miles of nonpublic road mileage previously contained in other rural categories. ³ Covers soil-surfaced roads and roads with slag, gravel, stone, bituminous, or concrete surfaces.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 988. Commodity Flow Survey (CFS) Shipment Characteristics: 1993

MODE OF TRANSPORTATION	VALUE		TONS		TON-MILES		
	Amount (mil. dol.)	Percent	Total (1,000)	Percent	Total (mil.)	Percent	Avg. miles per shipment ¹
All modes, total	6,037,200	100.0	9,865,526	100.0	2,517,089	100.0	403
Single modes:							
Parcel, U.S. postal service or courier	563,603	9.3	18,682	0.2	12,901	0.5	715
Private truck	1,789,798	29.6	3,556,030	36.0	237,617	9.4	51
For-hire truck	2,775,836	46.0	2,921,436	29.6	634,599	25.2	470
Air	41,520	0.7	492	(Z)	613	(Z)	1,390
Rail	250,534	4.1	1,570,087	15.9	958,658	38.1	803
Inland water	41,645	0.7	366,207	3.7	164,514	6.5	356
Great Lakes	624	(Z)	34,337	0.3	12,293	0.5	266
Deep sea water	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Pipeline ²	84,053	1.4	466,578	4.7	(S)	(S)	(S)
Multiple modes:							
Private truck and for-hire truck	22,567	0.4	32,418	0.3	4,654	0.2	209
Truck and air	107,736	1.8	2,296	(Z)	2,822	0.1	1,315
Truck and rail	82,895	1.4	38,014	0.4	43,127	1.7	1,482
Truck and water	8,232	0.1	72,051	0.7	48,256	1.9	1,269
Truck and pipeline ²	649	(Z)	3,386	(Z)	(S)	(S)	(S)
Rail and water	3,260	0.1	66,740	0.7	55,719	2.2	917
Inland water & Great Lakes	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Inland water & deep sea	16,514	0.3	80,042	0.8	126,386	5.0	(S)
Other and unknown modes	246,056	4.1	624,846	6.3	131,635	5.2	216

S Data do not meet publication standards due to high sampling variability or other reasons. Z Insignificant. ¹Excludes shipments of STCC 27, printed matter. ²Excludes most shipments of crude oil.

Source: U.S. Bureau of Transportation Statistics, *National Transportation Statistics, 1996*. Data from U.S. Bureau of the Census, *1993 Commodity Flow Survey, U.S. Preliminary Report, TC92-CF-52(P)*, July 1995.

No. 989. Transportation Accidents, Deaths, and Injuries: 1985 to 1994

[For related data, see also table 1013]

YEAR AND CASUALTY	TYPE OF TRANSPORT												
	Motor vehicle ¹ (1,000)	Railroad ²	Air carriers				General aviation	Recreational boating ⁶	Gas pipelines ⁷	Liquid pipelines ⁸	Waterborne ⁹	Rail Rapid Transit ¹⁰	Hazardous materials ¹¹
			Total	Air-lines ³	Com-muter air carriers ⁴	On demand air carriers ⁵							
Accidents:													
1980	6,216	8,451	228	19	38	171	3,590	5,513	1,524	246	4,624	6,789	15,737
1985	6,081	3,275	195	22	21	152	2,738	6,237	331	183	3,439	1,014	6,019
1990	6,471	2,879	147	24	15	108	2,216	6,411	199	180	3,613	12,778	8,882
1991	6,117	2,658	136	26	22	88	2,177	6,573	234	216	2,222	14,102	9,110
1992	6,000	2,359	117	18	23	76	2,075	6,048	176	212	3,297	15,512	9,355
1993	6,105	2,611	110	23	16	71	2,042	6,335	217	230	2,654	15,082	12,832
1994	6,492	2,504	116	22	10	84	1,989	6,906	222	244	2,833	15,258	16,084
Deaths:													
1980	51.1	584	143	1	37	105	1,239	1,360	15	4	206	83	19
1985	43.8	454	639	526	37	76	955	1,116	26	5	131	17	8
1990	44.6	599	94	39	6	49	766	865	6	3	85	117	8
1991	41.5	586	200	50	77	73	785	924	14	-	30	103	10
1992	39.3	591	120	33	21	70	860	816	10	5	105	91	15
1993	40.2	653	67	1	24	42	737	800	17	-	95	83	15
1994	40.7	611	328	239	25	64	706	784	21	1	52	76	11
Injuries:													
1980	2,848	58,356	74	17	14	43	675	2,650	177	15	176	6,801	626
1985	3,363	31,617	89	30	16	43	517	2,757	106	18	172	1,039	253
1990	3,231	22,736	86	39	11	36	391	3,822	69	7	175	10,036	423
1991	3,097	21,374	83	26	30	27	420	3,967	89	9	110	9,285	439
1992	3,070	19,408	37	13	5	19	418	3,683	80	38	172	10,446	604
1993	3,125	17,284	42	16	2	24	386	3,559	102	10	133	10,532	626
1994	3,215	14,850	73	35	6	32	452	4,084	112	1,858	146	11,170	576

- Represents or rounds to zero. NA Not available. ¹Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition. ²Accidents which result in damages to railroad property. Grade crossing accidents are also included when classified as a train accident. Deaths exclude fatalities in railroad-highway grade crossing accidents. ³Includes scheduled and nonscheduled (charter) air carriers. Represents serious injuries. ⁴All scheduled service. Represents serious injuries. ⁵All nonscheduled service. Represents serious injuries. ⁶Accidents resulting in death; injury or requiring medical treatment beyond first aid; damages exceeding \$200; or a person's disappearance. ⁷Beginning 1985, pipeline accidents/incidents are credited to year of occurrence; prior data are credited to the year filed. ⁸Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. ⁹Covers accidents involving commercial vessels which must be reported to U.S. Coast Guard if there is property damage exceeding \$1,500; material damage affecting the seaworthiness or efficiency of a vessel; stranding or grounding; loss of life; or injury causing a person's incapacity for more than 3 days. ¹⁰Reporting criteria and source of data changed between 1989 and 1990; these data from 1990 to present are not comparable to earlier years. ¹¹Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

Source: U.S. Bureau of Transportation Statistics, *National Transportation Statistics, annual*.

No. 990. Highway Mileage—Functional Systems and Urban/Rural: 1994

[As of Dec. 31. For definition of urban, rural, see text, section 21]

STATE	FUNCTIONAL SYSTEMS					Urban	Rural
	Total	Inter-state	Other arterial	Collector	Local		
U.S	3,906,544	45,583	385,103	799,234	2,676,624	813,591	3,092,953
AL	93,032	904	8673	19,366	62,272	20,069	72,963
AK	14,325	1,086	1509	1,648	8,759	1,782	12,543
AZ	54,380	1,169	4768	15,123	40,787	16,212	38,168
AR	77,216	543	6799	7,691	49,626	7,677	69,539
CA	169,047	2,427	28138	79,986	106,090	81,117	87,930
CO	84,195	954	8335	12,777	53,195	13,324	70,871
CT	20,384	346	2967	11,496	13,900	11,555	8,829
DE	5,592	41	619	1,855	3,945	1,907	3,685
DC	1,104	12	279	1,104	656	1,104	-
FL	113,478	1,472	12088	48,637	85,349	48,394	65,084
GA	111,252	1,242	13148	26,147	73,443	26,396	84,856
HI	4,106	43	793	1,799	2,647	1,813	2,293
ID	59,897	611	3580	3,314	44,990	3,462	56,435
IL	137,149	2,054	13983	32,266	99,727	35,312	101,837
IN	92,476	1,138	8061	19,109	60,572	19,315	73,161
IA	112,793	785	9410	9,096	71,016	9,319	103,474
KS	133,280	872	9297	9,508	90,097	9,596	123,684
KY	72,981	762	5458	10,008	48,840	10,311	62,670
LA	60,021	878	5337	12,319	40,873	13,949	46,072
ME	22,561	366	2324	2,479	13,872	2,605	19,956
MD	29,474	482	3775	13,574	20,073	13,758	15,716
MA	30,599	565	5825	21,017	18,725	19,745	10,854
MI	117,671	1,238	12307	28,012	78,136	28,147	89,524
MN	130,198	914	12704	14,523	87,316	15,016	115,182
MS	72,910	685	7032	7,888	49,623	7,913	64,997
MO	122,311	1,178	9561	15,398	85,996	16,499	105,812
MT	69,346	1,190	6008	2,348	46,105	2,385	66,961
NE	92,730	482	7895	5,030	63,596	5,083	87,647
NV	46,152	560	2754	4,513	37,550	4,590	41,562
NH	15,022	224	1584	2,440	10,416	2,899	12,123
NJ	35,432	420	5511	22,503	24,496	24,188	11,244
NM	61,221	1,000	4522	5,828	48,532	6,081	55,140
NY	112,004	1,498	14497	39,063	75,355	39,907	72,097
NC	96,479	970	9099	21,451	68,028	21,899	74,580
ND	86,731	571	5869	1,825	61,500	1,819	84,912
OH	114,464	1,572	10949	31,568	78,865	33,085	81,379
OK	112,467	929	7995	12,281	78,186	12,794	99,673
OR	84,029	727	6885	9,494	70,104	10,148	73,881
PA	118,445	1,589	13754	30,823	82,096	33,233	85,212
RI	5,973	70	841	4,597	4,194	4,613	1,360
SC	64,253	810	6874	10,517	43,078	10,518	53,735
SD	83,317	678	6285	1,858	57,061	1,907	81,410
TN	85,527	1,062	8681	16,314	57,583	16,826	68,701
TX	294,491	3,234	28968	76,143	200,284	80,903	213,588
UT	40,842	940	3342	6,084	28,545	6,201	34,641
VT	14,180	320	1319	1,314	9,415	1,333	12,847
VA	68,943	1,106	8298	15,581	45,420	18,196	50,747
WA	79,799	763	7593	17,025	54,313	17,501	62,298
WV	34,822	549	3211	3,090	22,473	3,151	31,671
WI	110,923	638	11934	14,841	76,957	15,725	95,198
WY	36,520	914	3665	2,489	22,457	2,309	34,211

- Represents zero.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 991. Highway Pavement Condition, by Type of Road System: 1993

CONDITION	URBAN AREAS						RURAL AREAS				
	Total	Inter-state	Other		Minor arterial	Collector	Total	Inter-state	Other principal arterial	Minor arterial	Major collector
			Free-ways and express-ways	Principal arterial							
Percent of road mileage rated—											
Poor	9	12	4	11	7	10	6	6	2	3	7
Mediocre	15	28	10	13	12	16	12	26	8	10	13
Fair	38	24	47	41	38	40	43	24	55	55	37
Good	20	26	22	20	21	17	21	33	27	25	18
Very Good	18	9	16	16	22	16	18	11	8	7	25

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 992. Funding for Highways, by Level of Government: 1980 to 1994

[In millions of dollars. Data compiled from reports of State and local authorities. For Federal highway trust fund receipts, disbursements, and balances, see table 514. State data include District of Columbia]

TYPE	1980	1985	1990	1992	1993	1994		
						Total ¹	Federal	State
Total receipts	39,715	61,506	75,294	86,703	88,380	88,296	16,337	48,469
Current income	37,604	54,957	69,730	77,404	80,610	80,514	16,337	44,282
Imposts on highway users ²	22,559	35,599	44,264	50,889	54,401	54,476	14,235	38,534
Other taxes and fees	11,808	15,127	19,827	19,933	19,375	19,872	1,348	3,756
Investment income, other receipts	3,237	4,231	5,639	6,582	6,834	6,166	754	1,992
Bond issue proceeds ³	2,111	6,549	5,564	9,299	7,770	7,782	-	4,187
Intergovernmental payments ⁴	(X)	(X)	(X)	(X)	(X)	(X)	-18,714	9,751
Funds from (+) or to (-) reserves ⁴	2,080	-4,058	114	-3,155	-1,955	962	3,598	-2,651
Total funds available	41,795	57,448	75,408	83,548	86,425	89,258	1,221	55,569
Total disbursements	41,795	57,448	75,408	83,548	86,425	89,258	1,221	55,569
Current disbursements	40,084	54,725	72,457	78,959	81,233	85,109	1,221	53,388
Capital outlay	20,337	27,138	35,151	38,309	39,528	41,780	344	32,059
Maintenance and traffic services	11,445	16,032	20,365	22,223	22,894	23,607	71	10,136
Administration and research	3,022	4,033	6,501	7,718	7,921	8,398	806	4,847
Law enforcement and safety	3,824	5,334	7,235	7,088	7,157	7,518	-	4,209
Interest on debt	1,456	2,188	3,205	3,621	3,733	3,806	-	2,137
Debt retirement ³	1,711	2,723	2,951	4,589	5,192	4,149	-	2,181

- Represents zero. X Not applicable. ¹ Includes other levels of government not shown separately. ² Excludes amounts later allocated for nonhighway purposes. ³ Excludes issue and redemption of short-term notes or refunding bonds. ⁴ Plus sign (+) indicates net receipt of funds from other levels of government; minus sign (-) indicates net disbursement of funds to other levels.

No. 993. Disbursements of State Highway Funds, by State: 1990 to 1994

[In millions of dollars. Comprises disbursements from current revenues or loans for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous. Includes transactions by State toll authorities. Excludes amounts allocated for collection expenses and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1970*, series Q 90-94]

STATE	1990	1993	1994	STATE	1990	1993	1994	STATE	1990	1993	1994
U.S.	53,580	62,192	64,113	KS	697	780	919	ND	189	230	264
AL	866	942	834	KY	1,008	1,127	1,303	OH	2,271	2,523	2,604
AK	336	436	436	LA	923	980	1,106	OK	827	738	760
AZ	1,525	1,188	1,255	ME	332	339	349	OR	765	825	907
AR	456	645	658	MD	1,464	1,171	1,263	PA	2,885	3,065	3,214
CA	4,294	5,186	5,073	MA	1,055	2,034	2,108	RI	214	316	348
CO	714	914	979	MI	1,526	1,734	1,804	SC	585	668	632
CT	1,204	1,050	1,101	MN	1,228	1,320	1,202	SD	232	287	297
DE	315	360	420	MS	529	685	645	TN	1,174	1,117	1,144
DC	273	289	205	MO	937	1,111	1,265	TX	3,001	3,380	3,553
FL	1,677	2,882	2,892	MT	302	328	339	UT	355	410	397
GA	1,278	1,294	1,236	NE	449	537	618	VT	165	210	187
HI	297	400	400	NV	309	355	445	VA	1,874	1,578	2,019
ID	300	312	348	NH	299	368	354	WA	1,251	1,602	1,655
IL	2,645	2,802	2,602	NJ	1,831	2,457	2,312	WV	650	765	776
IN	1,218	1,303	1,297	NY	409	519	534	WI	979	1,214	1,262
IA	869	1,000	999	NC	2,874	4,529	4,728	WY	297	261	288

Source of tables 992-993: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 994. Federal Grants to State and Local Governments for Highway Trust Fund and Federal Transit Administration (FTA), by State: 1995

[Year ending Sept. 30]

STATE	HIGHWAY TRUST FUND		FTA ²		STATE	HIGHWAY TRUST FUND		FTA ²		STATE	HIGHWAY TRUST FUND		FTA ²	
	Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹		Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹		Total (mil. dol.)	Per capita ¹	Total (mil. dol.)	Per capita ¹
U.S.	19,091	72.3	4,818	18.2	KS . . .	167	65.4	8	3.0	ND . . .	135	211.8	3	4.0
AL . . .	293	69.4	17	4.0	KY . . .	248	64.8	17	4.5	OH . . .	688	61.9	92	8.3
AK . . .	258	425.9	6	9.4	LA . . .	246	57.1	46	10.7	OK . . .	253	77.6	11	3.3
AZ . . .	275	67.5	44	10.9	ME . . .	116	93.9	5	4.2	OR . . .	189	61.2	194	62.9
AR . . .	241	98.4	6	2.5	MA . . .	964	159.5	277	45.8	PA . . .	883	73.3	276	22.9
CA . . .	1,880	59.8	762	24.2	MD . . .	380	76.0	113	22.5	RI . . .	174	174.7	16	16.0
CO . . .	249	68.1	28	7.6	MI . . .	569	59.9	64	6.8	SC . . .	259	70.6	8	2.2
CT . . .	392	119.7	84	25.5	MN . . .	228	50.0	39	8.5	SD . . .	129	178.6	3	4.3
DE . . .	66	93.9	3	3.8	MS . . .	189	70.8	8	2.8	TN . . .	321	62.1	25	4.9
DC . . .	104	182.6	322	564.6	MO . . .	399	75.5	50	9.4	TX . . .	985	53.6	181	9.8
FL . . .	876	62.8	163	11.7	MT . . .	146	171.1	4	5.1	UT . . .	130	68.3	10	5.3
GA . . .	524	74.3	104	14.8	NE . . .	140	86.0	9	5.8	VT . . .	85	146.7	6	10.4
HI . . .	181	153.9	45	38.6	NV . . .	121	83.0	12	8.2	VA . . .	398	60.7	47	7.2
ID . . .	141	124.4	7	6.6	NH . . .	78	68.2	4	3.7	WA . . .	484	90.6	54	10.2
IL . . .	820	69.8	403	34.3	NJ . . .	545	68.9	272	34.4	WV . . .	169	92.6	11	6.1
IN . . .	369	64.1	35	6.1	NM . . .	227	137.4	7	4.2	WI . . .	296	58.3	37	7.7
IA . . .	229	80.8	18	6.5	NY . . .	891	49.0	806	44.3	WY . . .	133	279.2	2	4.8
					NC . . .	492	69.5	27	3.9					

¹ Based on Bureau of the Census resident population as of July 1, 1994; excluding population of the territories. ² Federal Transit Administration.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

No. 995. State Gasoline Tax Rates, 1994 and 1995, and Motor Fuel Tax Receipts, 1994

[See also *Historical Statistics, Colonial Times to 1970*, series Q 233-234]

STATE	RATE ¹ (cents/gal.)		Ru- ceipts, ² 1994 (mil. dol.)	STATE	RATE ¹ (cents/gal.)		Ru- ceipts, ² 1994 (mil. dol.)	STATE	RATE ¹ (cents/gal.)		Ru- ceipts, ² 1994 (mil. dol.)
	1994	1995			1994	1995			1994	1995	
Federal	18.4	18.4	(NA)	KS . . .	18	18	283	ND . . .	18	18	82
State . . .	(NA)	(NA)	(NA)	KY . . .	16.4	16.4	363	OH . . .	22	22	1,255
AL . . .	18	18	518	LA . . .	20	20	473	OK ⁴ . . .	17	17	353
AK . . .	8	8	22	ME . . .	19	19	139	OR . . .	24	24	347
AZ . . .	18	18	423	MD . . .	23.5	23.5	593	PA . . .	22.35	22.35	1,363
AR . . .	18.7	18.7	319	MA . . .	21	21	556	RI . . .	28	29	116
CA . . .	18	18	2,440	MI . . .	15	15	716	SC . . .	16	16	378
CO . . .	22	22	414	MN . . .	20	20	478	SD . . .	18	18	88
CT . . .	31	34	431	MS . . .	18.4	18.4	318	TN ⁵ . . .	20	20	633
DE . . .	22	23	89	MO . . .	15.05	15	498	TX . . .	20	20	2,169
DC . . .	20	20	36	MT . . .	27	27	150	UT . . .	19	19	191
FL . . .	12.1	12.3	1,189	NE . . .	25.4	25.4	236	VT . . .	16	16	64
GA . . .	7.5	7.5	374	NV . . .	24	24	207	VA ³ . . .	17.5	17.5	682
HI . . .	16	16	66	NH . . .	18.7	18.7	104	WA . . .	23	23	639
ID . . .	21	21	143	NJ . . .	10.5	10.5	441	WV . . .	25.35	25.35	276
IL . . .	19	19	1,074	NM . . .	21	18	224	WI . . .	23.1	23.4	630
IN . . .	15	15	609	NY . . .	22.56	21.92	1,365	WY . . .	9	9	50
IA . . .	20	20	347	NC . . .	21.3	21.6	888				

NA Not available. ¹ In effect Dec. 31. ² Represents net gallonage receipts. ³ Trucks or combinations with more than two axles pay tax of 2 cents per gallon more in Kentucky and 3.5 cents per gallon more in Virginia. ⁴ .08 cents per gallon is for inspection fee. ⁵ Includes 1 cent per gallon inspection fee.

No. 996. Public Highway Debt—State and Local Governments: 1970 to 1994

[In millions of dollars. Long-term obligations. Data are for varying calendar and fiscal years. Excludes duplicated and interunit obligations. See also *Historical Statistics, Colonial Times to 1970*, series Q 136-147]

ITEM	1970	1980	1985	1988	1989	1990	1991	1992	1993	1994 ¹
Total debt issued	1,892	2,357	8,194	4,594	5,900	5,838	9,516	12,988	14,178	9,334
State	1,306	1,135	5,397	2,702	3,775	3,277	6,252	9,460	10,035	5,739
Local	586	1,222	2,797	1,892	2,125	2,561	3,264	3,528	4,143	3,595
Total debt redeemed	1,270	1,982	4,606	2,774	3,729	5,158	6,138	7,665	10,823	5,590
State	800	1,109	3,835	1,547	2,813	2,041	4,352	5,388	8,082	3,622
Local	470	873	771	1,227	916	3,117	1,786	2,277	2,741	1,968
Total debt outstanding	19,124	27,519	33,379	41,663	43,834	44,514	47,892	53,539	58,373	64,158
Local	5,104	7,427	12,100	15,927	17,136	16,580	18,058	19,353	22,965	26,709

¹ Estimated.

Source of tables 995 and 996: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 997. Price Trends for Federal-Aid Highway Construction: 1980 to 1994

YEAR	Common excavation (cu.yd.)	SURFACING			STRUCTURES				Composite index
		Portland cement concrete (sq. yd.)	Bituminous concrete (ton)	Index	Rein forcing steel (lb.)	Structural steel (lb.)	Structural concrete (cu. yd.)	Index	
Average contract price:									
1980	1.83	14.92	25.29	(X)	0.48	0.94	226.68	(X)	(X)
1985	2.24	14.31	28.52	(X)	0.44	0.80	243.60	(X)	(X)
1986	2.28	15.63	26.48	(X)	0.44	0.85	236.37	(X)	(X)
1987	2.42	14.80	24.65	(X)	0.44	0.89	240.81	(X)	(X)
1988	2.72	14.33	24.91	(X)	0.49	0.92	274.12	(X)	(X)
1989	2.40	15.17	24.08	(X)	0.56	1.02	283.40	(X)	(X)
1990	2.38	15.91	24.52	(X)	0.53	1.01	286.18	(X)	(X)
1991	2.32	16.58	25.52	(X)	0.51	1.03	264.98	(X)	(X)
1992	2.20	17.80	24.66	(X)	0.52	0.92	259.61	(X)	(X)
1993	2.50	18.81	26.26	(X)	0.47	0.86	261.89	(X)	(X)
1994 (3d qtr.)	3.12	21.09	30.29	(X)	0.49	0.86	285.08	(X)	(X)
Index (1987=100):									
1980	75.5	101.3	102.6	102.2	109.6	106.3	94.1	100.0	97.2
1985	92.4	97.1	115.7	109.6	100.7	89.9	101.2	98.1	102.0
1986	94.0	106.1	107.4	107.0	100.3	96.0	98.2	98.0	101.1
1987	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1988	112.2	97.3	101.1	99.8	112.1	104.4	113.8	111.0	106.6
1989	99.0	103.0	97.7	99.4	126.2	115.0	117.7	118.4	107.7
1990	98.1	108.0	99.5	102.3	120.0	114.1	118.8	117.8	108.5
1991	95.5	112.5	103.6	106.5	114.6	116.4	110.0	112.5	107.5
1992	90.8	120.8	100.1	106.9	117.9	103.5	107.8	108.4	105.1
1993	103.2	127.7	106.6	113.5	106.0	97.3	108.7	105.3	108.3
1994 (3d qtr.)	128.6	143.2	122.9	129.5	111.1	96.9	118.4	111.5	121.4

X Not applicable.

Source: U.S. Federal Highway Administration, *Price Trends for Federal-Aid Highway Construction, Third Quarter 1994*.

No. 998. New Plant and Equipment Expenditures and Capacity Utilization: 1980 to 1995

[In percent]

YEAR	NEW PLANT AND EQUIPMENT EXPENDITURES					CAPACITY UTILIZATION			
	Total United States	Total manufacturing	Motor vehicle and parts mfg.			All manufacturing		Motor vehicle and parts mfg.	
			Total	Percent of—		Total	Percent change	Total	Percent change
			Total mfg.	Total U.S.					
1980	286.40	112.60	8.54	7.6	3.0	80.2	-6.1	57.8	-27.0
1985	410.12	152.88	13.39	8.8	3.3	79.5	-1.1	83.4	6.1
1986	399.36	137.95	12.79	9.3	3.2	79.0	-0.6	79.5	-4.7
1987	410.52	141.06	10.88	7.7	2.7	81.4	3.0	78.1	-1.8
1988	455.49	163.45	9.75	6.0	2.1	83.9	3.1	80.5	3.1
1989	507.40	183.80	11.49	6.3	2.3	83.9	0.0	79.2	-1.6
1990	532.61	192.61	11.28	5.9	2.1	81.1	-3.3	72.6	-8.3
1991	528.39	182.81	10.20	5.6	1.9	77.8	-4.1	67.5	-7.0
1992	546.60	174.02	8.67	5.0	1.6	78.6	1.0	71.9	6.5
1993	585.64	179.18	12.23	6.8	2.1	80.6	1.4	78.7	9.6
1994	634.02	191.60	15.69	8.2	2.5	83.3	3.3	85.1	8.1
1995	(NA)	(NA)	(NA)	(NA)	(NA)	83.1	-0.3	81.2	-4.6

NA Not available.

Source: American Automobile Manufacturers Association, Washington, DC, *Facts and Figures*, annual.

No. 999. Alternative Fueled Vehicles in Use, by Fuel Type: 1994 to 1996

FUEL	ALTERNATIVE FUELED VEHICLES			FUEL CONSUMPTION (1,000 gasoline-equivalent gallons)		
	1994	1995	1996	1994	1995	1996
Fuels	324,401	362,190	421,294	281,210	312,919	322,970
Liquified petroleum gases (LPG)	264,000	272,000	279,000	248,550	259,940	263,130
Compressed natural gas (CNG)	41,227	65,849	84,319	24,160	43,631	48,230
Liquified natural gas (LNG)	399	482	563	2,320	3,110	3,150
M85 (Mixture: 85% methanol + 15% gasoline)	15,484	20,170	22,284	2,340	2,372	3,540
Neat methanol (M100)	415	413	411	3,190	3,050	3,160
E85 (Mixture: 85% ethanol+15% gasoline)	605	894	32,224	80	105	1,030
E95 (Mixture: 95% ethanol + 5% gasoline)	33	32	33	140	140	140
Electricity	2,238	2,350	2,460	430	571	590

¹ Values represents lower bound estimates. ² Consumption includes gasoline portion of the mixture. ³ Primarily tertiary amyl methyl ether (TAME) and ethyl tertiary butyl ether (ETBE). ⁴ Gasoline consumption includes ethanol in gasohol and MTBE.

Source: Energy Information Administration, *Alternatives to Traditional Transportation Fuels 1993*.

No. 1000. Motor Vehicle Registrations, 1990 to 1994, Vehicle Miles of Travel, 1994, and Drivers Licenses, 1994, by State

[In thousands, except as indicated. Motor vehicle registrations cover publicly, privately, and commercially owned vehicles. For uniformity, data have been adjusted to a calendar-year basis as registration years in States differ; figures represent net numbers where possible, excluding re-registrations and nonresident registrations]

STATE	AUTOMOBILES, TRUCKS, AND BUSES ¹					1994				
	1990	1992	1993	1994		Motor-cycle registration (incl. official)	Public road and street mileage (1,000 mi.)	Vehicle miles of travel		Drivers licenses
				Total	Auto-mobiles (incl. taxis)			Total (bil. mi.)	Per mile of road (1,000)	
U.S.	188,798	190,362	194,063	198,045	133,930	3,718	3,907	2,360	604	175,403
AL.	3,744	3,304	3,390	3,177	1,948	39	93	49.0	526	2,861
AK.	477	486	489	533	300	13	14	4.2	290	436
AZ.	2,825	2,801	2,892	2,813	1,850	68	54	38.8	713	2,849
AR.	1,448	1,501	1,528	1,567	775	14	77	24.9	323	1,768
CA.	21,926	22,202	22,824	22,339	14,743	542	169	271.9	1,609	20,156
CO.	3,155	2,915	3,032	2,750	1,652	96	84	33.7	400	2,733
CT.	2,623	2,569	2,594	2,599	2,046	48	20	27.1	1,331	2,319
DE.	526	545	555	578	404	9	6	7.0	1,256	513
DC.	262	256	264	249	211	1	1	3.4	3,123	362
FL.	10,950	10,232	10,170	10,252	7,519	177	113	122.0	1,075	11,005
GA.	5,489	5,899	5,632	5,990	4,168	57	111	82.8	744	4,817
HI.	771	774	763	779	509	12	4	7.9	1,933	745
ID.	1,054	1,034	1,023	1,035	545	33	60	11.7	195	801
IL.	7,873	7,982	8,070	8,698	6,226	188	137	92.3	673	7,502
IN.	4,366	4,516	4,670	4,889	3,231	97	92	62.1	672	3,860
IA.	2,632	2,706	2,738	2,766	1,806	115	113	25.7	228	1,897
KS.	2,012	1,921	1,922	2,083	1,094	45	133	24.7	185	1,772
KY.	2,909	2,983	2,629	2,666	1,732	34	73	39.8	546	2,516
LA.	2,995	3,094	3,166	3,426	1,978	35	60	37.4	624	2,595
ME.	977	978	1,028	946	611	26	23	12.5	553	914
MD.	3,607	3,689	3,560	3,640	2,732	39	29	44.2	1,498	3,308
MA.	3,726	3,663	3,837	4,027	3,068	66	31	47.0	1,536	4,472
MI.	7,209	7,311	7,399	7,574	5,277	113	118	85.2	724	6,602
MN.	3,508	3,484	3,716	4,057	2,677	130	130	43.3	333	2,706
MS.	1,875	1,954	2,000	2,063	1,341	29	73	28.5	392	1,672
MO.	3,905	4,004	4,066	4,208	2,741	57	122	57.3	468	3,382
MT.	783	907	939	950	512	21	69	9.1	131	526
NE.	1,384	1,355	1,439	1,458	841	21	93	15.5	167	1,146
NV.	853	921	937	985	538	20	46	13.0	282	1,007
NH.	946	894	959	992	644	33	15	10.5	699	877
NJ.	5,652	5,591	5,641	5,839	4,602	86	35	60.5	1,707	5,433
NM.	1,301	1,352	1,421	1,422	735	31	61	20.5	335	1,167
NY.	10,196	9,780	10,163	10,196	7,907	175	112	113.0	1,009	10,377
NC.	5,162	5,307	5,365	5,443	3,525	64	96	71.9	746	4,840
ND.	630	655	662	685	373	18	87	6.3	73	439
OH.	8,410	9,030	9,279	9,664	7,177	224	114	98.2	858	7,142
OK.	2,649	2,737	2,771	2,806	1,559	56	112	37.0	329	2,344
OR.	2,445	2,583	2,624	2,753	1,530	61	84	29.5	351	2,543
PA.	7,971	8,179	8,282	8,482	6,026	169	118	92.3	780	8,115
RI.	672	622	695	699	545	17	6	7.1	1,188	688
SC.	2,521	2,601	2,684	2,743	1,817	34	64	37.2	580	2,492
SD.	704	720	808	769	469	26	83	7.6	92	508
TN.	4,444	4,645	4,964	5,059	3,712	57	86	54.5	638	3,826
TX.	12,800	12,767	13,118	13,626	8,699	143	294	178.3	606	12,110
UT.	1,206	1,252	1,335	1,415	808	23	41	18.1	443	1,245
VT.	462	465	483	489	315	18	14	6.2	434	446
VA.	4,938	5,239	5,408	5,507	3,921	58	69	67.6	981	4,601
WA.	4,257	4,466	4,413	4,465	2,882	97	80	47.4	594	3,775
WV.	1,225	1,273	1,345	1,462	879	16	35	17.1	491	1,298
WI.	3,815	3,735	3,815	3,926	2,461	150	111	50.3	453	3,554
WY.	528	483	558	508	269	17	37	6.7	183	342

¹ Excludes vehicles owned by military services.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; and *Selected Highway Statistics and Charts*, annual.

No. 1001. Motor Vehicle Production and Trade: 1980 to 1994

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994
United States	1,000 . .	8,010	11,653	10,876	9,784	8,811	9,729	10,898	12,263
Passenger car production	1,000 . .	6,376	8,185	6,825	6,078	5,439	5,664	5,981	6,614
Truck and bus production	1,000 . .	1,634	3,468	4,051	3,706	3,372	4,065	4,917	5,649
Imports:									
Passenger cars (new) ^{1 2}	1,000 . .	3,116	4,398	4,043	3,945	3,736	3,615	3,808	4,097
Canada	1,000 . .	595	1,145	1,151	1,220	1,196	1,200	1,468	1,591
Germany, Federal Republic of	1,000 . .	339	473	217	245	172	206	184	188
Japan	1,000 . .	1,992	2,527	2,052	1,868	1,789	1,678	1,597	1,593
Trucks and buses (new) ²	1,000 . .	747	1,253	953	766	716	777	722	708
Japan	1,000 . .	483	800	420	302	283	197	154	170
All-terrain vehicles	1,000 . .	(NA)	683	121	100	(NA)	(NA)	(NA)	(NA)
Motorcycles, total ³	1,000 . .	1,120	733	253	169	(NA)	(NA)	(NA)	(NA)
Import value:									
Passenger cars (new) ¹	Mil. dol.	16,675	36,474	44,417	45,716	45,564	46,729	52,208	61,367
Trucks and buses, (new) ¹	Mil. dol.	1,985	7,734	8,591	8,155	8,221	10,000	10,104	10,909
Motorcycles ^{3 4}	Mil. dol.	1,142	783	542	361	(NA)	(NA)	(NA)	(NA)
Exports, number:									
Passenger cars (new) ¹	1,000 . .	617	704	778	794	755	851	864	1,019
Trucks and buses (new) exports	1,000 . .	186	183	189	159	208	161	181	274
Export value ^{1 5}	Mil. dol.	16,015	22,820	31,574	38,086	(NA)	(NA)	(NA)	(NA)
Passenger cars (new) ⁵	Mil. dol.	3,932	6,027	8,895	9,708	9,886	11,893	12,476	14,591
Trucks and buses (new) ⁵	Mil. dol.	2,977	2,789	3,471	2,845	3,388	3,073	3,399	5,238
Parts and accessories ⁶	Mil. dol.	9,106	14,004	19,208	24,996	(NA)	(NA)	(NA)	(NA)
Factory sales:									
Passenger cars	1,000 . .	6,400	8,002	6,807	6,050	5,407	5,685	5,962	6,549
Trucks and buses	1,000 . .	1,667	3,357	4,062	3,725	3,387	4,062	4,895	5,640
Retail sales:									
Passenger cars (new) ¹	1,000 . .	8,979	11,042	9,772	9,300	8,175	8,213	8,518	8,991
Domestics	1,000 . .	6,581	8,205	7,073	6,897	6,137	6,277	6,742	7,255
Imports ⁸	1,000 . .	2,398	2,838	2,699	2,403	2,038	1,937	1,776	1,735
Trucks and buses ⁹	1,000 . .	2,232	3,984	4,483	4,261	3,842	4,513	5,318	6,091
Light duty (up to 14,000 GVW) ¹⁰	1,000 . .	1,964	3,700	4,171	3,984	3,621	4,264	5,015	5,703
Med. duty (14,001-26,000 GVW) ¹⁰	1,000 . .	92	53	73	71	50	57	64	80
Heavy duty (over 26,000 GVW) ¹⁰	1,000 . .	176	231	239	207	171	192	239	308
Under 6,000 pounds	1,000 . .	985	2,408	2,854	2,866	2,724	3,217	3,756	4,031
Utility	1,000 . .	51	429	447	490	549	666	721	1,258
Van	1,000 . .	79	115	43	31	17	21	18	12
Minivan (cargo)	1,000 . .	(X)	103	97	83	66	63	70	73
Station wagon (truck chassis)	1,000 . .	(X)	86	138	112	110	201	321	-
Mini-passenger carrier	1,000 . .	(X)	301	688	750	706	840	1,002	1,113
6,000 to 10,000 pounds ¹¹	1,000 . .	975	1,280	1,297	1,097	876	1,021	1,232	1,631
Utility	1,000 . .	108	108	93	68	37	51	60	144
Van	1,000 . .	172	261	289	254	203	241	279	274
Pickup, conventional	1,000 . .	546	628	663	568	476	524	647	967
Station wagon (truck chassis)	1,000 . .	39	95	100	85	55	80	60	109
10,001 pounds and over	1,000 . .	271	295	331	298	242	275	330	428

- Represents zero. NA Not available. X Not applicable. ¹ Based on data from U.S. Dept. of Commerce. ² Includes other countries, not shown separately. ³ Source: Motorcycle Industry Council, Inc., Irvine, CA. Data from U.S. Dept. of Commerce. Excludes mopeds/motorized bicycles and all-terrain vehicles. Excludes moped imports (motorcycle imports less than 51 cc's) from all countries (except Japan). ⁴ Represents c.i.f. value. ⁵ Covers assembled and unassembled vehicles. ⁶ Includes rubber tires and tubes and used vehicles. ⁷ Includes domestic models produced in Canada and Mexico. ⁸ Excludes domestic models produced in Canada. ⁹ Excludes motorcoaches and light-duty imports from foreign manufacturers. Includes imports sold by franchised dealers of U.S. manufacturers. Starting in 1987, includes sales of trucks over 10,000 lbs. GVW by foreign manufacturers. ¹⁰ Gross vehicle weight (fully loaded vehicle). ¹¹ Includes vehicles, not shown separately.

Source: Except as noted, American Automobile Manufacturers Association Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual (copyright); and *World Motor Vehicle Data*, annual (copyright).

No. 1002. Motor Vehicles in Use: 1980 to 1994

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994
Cars in use, total	Million . .	104.6	114.7	122.8	123.3	123.3	120.3	121.1	122.0
Under 5 years	Million . .	52.3	48.7	57.6	56.5	54.6	50.4	47.0	45.4
6-8 years	Million . .	25.2	27.8	20.7	22.6	25.5	27.5	28.7	27.7
9-11 years	Million . .	14.6	17.2	21.1	19.1	16.7	16.0	22.5	25.1
12 years and over	Million . .	12.5	21.0	23.4	25.1	26.6	26.4	31.1	31.4
Average age	Years . .	6.6	7.6	7.6	7.8	7.9	8.1	8.3	8.4
Cars retired from use ¹	1,000 . .	8,405	7,729	8,981	8,897	8,565	11,194	7,366	7,824
Trucks in use, total	Million . .	35.2	42.4	53.2	56.0	58.2	61.2	62.5	71.4
Under 3 years	Million . .	8.8	9.0	12.5	12.8	12.0	11.3	12.1	13.7
3-5 years	Million . .	8.1	6.3	12.6	13.2	14.0	14.0	12.9	12.7
6-8 years	Million . .	7.4	10.2	6.3	8.0	9.9	11.9	14.0	13.6
9-11 years	Million . .	4.4	6.2	7.9	6.6	5.3	5.6	11.7	11.3
12 years and over	Million . .	6.5	10.7	14.0	15.5	17.0	18.3	23.2	20.1
Average age	Years . .	7.1	8.1	7.9	8.0	8.1	8.4	8.6	8.4
Trucks retired from use ¹	1,000 . .	1,732	2,100	2,189	2,177	2,284	1,587	1,048	4,545

¹ For years ending June 30. Represents vehicles failing to re-register.

Source: Except as noted, American Automobile Manufacturers Association Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual (copyright); and *World Motor Vehicle Data*, annual (copyright).

No. 1003. Motor Vehicle Registrations: 1980 to 1994

[In thousands. Beginning 1994, personal passenger vans, passenger minivans, and utility type vehicles are no longer included in automobiles. These vehicles are now included in light trucks]

ITEM	1980	1985	1989	1990	1991	1992	1993	1994
Total ¹	155,796	171,654	187,261	188,798	188,136	190,362	194,063	198,045
Automobiles	121,601	131,864	143,081	143,550	142,569	144,213	146,314	133,930
Buses	529	593	625	627	631	645	654	670
Private and commercial:								
Commercial	107	109	113	114	114	114	115	118
School and other	147	157	162	161	161	161	161	165
Publicly owned:								
Federal	4	4	4	5	5	5	5	5
School	271	323	346	347	352	365	374	383
Private and commercial trailers, total	14,372	15,008	16,115	16,098	16,269	16,715	17,498	18,195
Motorcycles	5,694	5,444	4,434	4,259	4,177	4,065	3,978	3,718
Truck tractors	1,402	1,150	1,237	1,240	1,236	1,279	1,289	1,315
Light trucks ²	(NA)	32,146	36,530	37,380	37,728	38,257	39,786	55,603

NA Not available. ¹ Components may not add to total because of double counting. ² Excludes farm trucks.
Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1004. Motor Vehicle Tires and Batteries: 1980 to 1993

[In millions]

ITEM	1980	1985	1988	1989	1990	1991	1992	1993
Tires, passenger car, total ¹	145.9	200.9	218.8	214.8	213.6	214.5	228.6	235.0
Radials	83.5	164.7	200.2	200.4	202.1	205.7	221.4	227.4
Replacement	106.9	141.5	155.3	151.2	152.3	155.4	165.8	165.1
Tires, truck and bus, total ¹	31.1	41.1	46.0	46.9	46.9	42.4	45.0	48.4
Radials	3.8	19.7	29.4	30.6	32.5	32.4	36.1	40.3
Replacement	24.4	32.1	33.9	35.2	36.6	32.9	33.7	35.7
Batteries, total ²	61.7	74.4	80.1	80.3	79.7	79.8	(NA)	(NA)
Replacement automobile batteries	50.1	58.7	63.5	64.4	65.2	66.6	(NA)	(NA)

NA Not available. ¹ Includes original equipment. Also includes exports, not shown separately. ² Source: Battery Council International, Chicago, IL, and U.S. Bureau of the Census.
Source: Except as noted, The Rubber Manufacturers Association, Inc., Washington, DC, *RMA Monthly Tire Report*.

No. 1005. Automobile Output and Trade in National Income Accounts: 1980 to 1995

[In billions of dollars. Vehicle output equals final dollar sales value of new vehicles, plus net dollar value of used vehicle sales adjusted for changes in inventories and net balance of vehicle exports and imports]

ITEM	CURRENT DOLLARS					CHAINED (1992) DOLLARS				
	1980	1990	1993	1994	1995	1980	1990	1993	1994	1995
Auto output, total	59.7	118	131	143.6	134.8	84.8	125.2	125.7	133.2	120.3
Final sales	60.6	121	129.2	141.8	133.8	87	129.8	125	132	120.1
Personal consumption expenditures	57.2	124	127.3	137.4	137.3	88.8	133.3	121.6	125.1	117.9
Producers' durable equipment	14.3	30.8	37.7	46.9	42.2	19.7	33	38.2	46.6	43.3
Net exports	-12.3	-36.1	-37.7	-44.7	-48	-22.8	-38.7	-36.6	-41.2	-43
Government purchases	1.4	2.3	1.9	2.1	2.4	2.3	2.4	1.9	2	2.2
Change in business inventories	-0.9	-3.1	1.8	1.8	1	-2.4	-4.6	0.6	1.1	0.2
New	-0.1	-2.1	1.8	1.7	-	-1.1	-3.6	0.6	1.1	-0.5
Used	-0.8	-1	-	0.1	1	-1.4	-1	-	-	0.6

- Represents or rounds to zero.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States* to be published in late 1996, and *Survey of Current Business*, January/February 1996.

No. 1006. Recreational Vehicles—Number and Retail Value of Shipments: 1970 to 1993

ITEM	1970	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993
NUMBER (1,000)												
Total	380.3	339.6	181.4	351.7	371.7	393.6	420.0	388.3	347.3	293.7	382.7	420.2
Motorized homes	30.3	96.6	99.9	233.5	249.6	255.7	277.1	261.6	226.5	172.6	226.3	(NA)
Travel trailers	138.0	150.6	52.0	75.4	78.2	86.2	89.6	82.9	80.4	77.6	102.5	113.6
Folding camping trailers	116.1	48.1	24.5	35.9	36.5	41.6	42.3	33.9	30.7	33.9	43.3	(NA)
Truck campers	95.9	44.3	5.0	6.9	7.4	10.1	11.0	9.9	9.7	9.6	10.6	(NA)
RETAIL VALUE (mil. dol.)												
Total	1,122	2,320	1,952	6,904	7,434	8,288	9,061	9,019	8,101	6,623	8,774	9,518
Motorized homes	318	1,251	1,381	5,724	6,155	6,826	7,543	7,420	6,660	5,284	6,963	(NA)
Travel trailers	445	856	485	997	1,083	1,219	1,254	1,252	1,220	1,107	1,523	1,644
Folding camping trailers	175	101	69	137	144	167	175	147	134	146	189	(NA)
Truck campers	183	112	17	46	53	76	88	81	86	87	99	(NA)

NA Not available.

Source: Recreation Vehicle Industry Association, Reston, VA, *RV's ... A Year-End Report/1989*. Data also in American Automobile Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual.

No. 1007. Transportation to Work: 1990

[In thousands, except as indicated. Based on workers 16 years old or older]

REGION, DIVISION, AND STATE	MEANS OF TRANSPORTATION TO WORK			Worked at home	Average travel time to work ¹ (minutes)	HOUSEHOLDS WITH VEHICLES AVAILABLE		
	Car, truck, van		Percent using public transportation			None	One vehicle	Two or more vehicles
	Drove alone	Carpooled						
United States	84,215	15,378	5.3	3,406	22.4	10,602	31,039	50,306
Northeast	15,902	2,771	12.8	630	24.5	3,603	6,408	8,862
New England	4,892	749	5.1	191	21.5	568	1,699	2,676
Maine	424	80	0.9	24	19.0	40	159	266
New Hampshire	443	70	0.7	20	21.9	26	132	254
Vermont	200	36	0.7	17	18.0	17	72	122
Massachusetts	2,148	318	8.3	75	22.7	321	819	1,107
Rhode Island	376	58	2.5	10	19.2	40	132	206
Connecticut	1,301	187	3.9	45	21.1	124	386	721
Middle Atlantic	11,010	2,023	15.7	438	25.7	3,035	4,709	6,186
New York	4,461	861	24.8	213	28.6	1,994	2,153	2,492
New Jersey	2,731	472	8.8	80	25.3	360	966	1,468
Pennsylvania	3,818	690	6.4	145	21.6	681	1,589	2,226
Midwest	21,091	3,207	3.5	987	20.7	2,238	7,365	12,714
East North Central	14,749	2,206	4.3	551	21.7	1,693	5,230	8,674
Ohio	3,889	521	2.5	119	20.7	416	1,351	2,320
Indiana	2,040	332	1.3	73	20.4	175	670	1,221
Illinois	3,742	653	10.1	144	25.1	588	1,476	2,138
Michigan	3,328	429	1.6	100	21.2	344	1,133	1,943
Wisconsin	1,751	270	2.5	114	18.3	170	600	1,052
West North Central	6,342	1,002	1.9	436	18.4	545	2,135	4,040
Minnesota	1,593	247	3.6	116	19.1	142	517	988
Iowa	971	157	1.2	89	16.2	75	332	657
Missouri	1,816	312	2.0	84	21.6	191	652	1,118
North Dakota	210	31	0.6	24	13.0	16	73	152
South Dakota	233	33	0.3	31	13.8	17	76	166
Nebraska	590	87	1.2	44	15.8	43	182	377
Kansas	929	136	0.6	49	17.2	60	302	583
South	29,495	5,886	2.6	936	22.0	3,208	10,987	17,627
South Atlantic	15,481	3,156	3.4	501	22.5	1,725	5,725	9,053
Delaware	258	43	2.4	8	20.0	20	80	147
Maryland	1,733	376	8.1	65	27.0	216	554	979
District of Columbia	107	37	36.6	9	27.1	93	103	53
Virginia	2,281	500	4.0	103	24.0	205	717	1,370
West Virginia	493	107	1.1	16	21.0	94	247	347
North Carolina	2,528	530	1.0	71	19.8	242	786	1,489
South Carolina	1,235	277	1.1	31	20.5	137	402	720
Georgia	2,379	468	2.8	65	22.7	244	730	1,393
Florida	4,468	819	2.0	132	21.8	474	2,106	2,555
East South Central	5,110	1,005	1.2	149	21.1	607	1,814	3,231
Kentucky	1,195	229	1.6	47	20.7	159	447	773
Tennessee	1,763	324	1.3	52	21.5	181	593	1,079
Alabama	1,374	267	0.8	31	21.2	156	466	885
Mississippi	777	184	0.8	19	20.6	111	307	494
West South Central	8,904	1,725	2.0	286	21.6	876	3,448	5,343
Arkansas	765	153	0.5	28	19.0	88	303	501
Louisiana	1,239	247	3.0	31	22.3	209	542	749
Oklahoma	1,079	191	0.6	41	19.3	91	414	701
Texas	5,821	1,134	2.2	185	22.2	489	2,190	3,392
West	17,727	3,513	4.1	854	22.7	1,553	6,279	11,103
Mountain	4,586	873	2.1	229	19.7	343	1,697	2,993
Montana	250	41	0.6	22	14.8	20	91	194
Idaho	330	53	1.9	21	17.3	17	101	243
Wyoming	154	28	1.4	9	15.4	8	48	113
Colorado	1,217	210	2.9	67	20.7	89	412	781
New Mexico	472	96	1.0	24	19.1	38	185	320
Arizona	1,178	239	2.1	48	21.6	107	532	730
Utah	541	111	2.3	26	18.9	29	153	355
Nevada	444	94	2.7	12	19.8	36	174	256
Pacific	13,141	2,640	4.8	625	23.8	1,210	4,582	8,111
Washington	1,701	282	4.5	86	22.0	141	582	1,149
Oregon	949	165	3.4	56	19.6	88	355	660
California	9,982	2,036	4.9	453	24.6	923	3,452	6,006
Alaska	165	40	2.4	11	16.7	23	64	102
Hawaii	344	116	7.4	19	23.8	35	129	193

¹ Excludes persons who worked at home.

Source: U.S. Bureau of the Census, *Census of Population and Housing, 1990*.

No. 1008. National Personal Transportation Survey (NPTS)— Summary of Travel Trends: 1969 to 1990

[Data obtained by collecting information on all trips taken by the respondent on a specific day (known as travel day), combined with longer trips taken over a 2-week period (known as travel period). Contains data from previous NPTS surveys. For compatibility with previous survey data, all data are based only on trips taken during travel day. Be aware that terminology changes from survey to survey. See source for details]

CHARACTERISTICS	Unit	1969	1977	1983	1990	Percent change, 1969-90	Annual percent change, 1969-90
Households, total	1,000 . . .	62,504	75,412	85,371	93,347	49.0	1.9
1 person	1,000 . . .	10,980	16,214	19,354	22,999	109.0	3.6
2 persons	1,000 . . .	18,448	22,925	27,169	30,114	63.0	2.4
3 persons	1,000 . . .	10,746	13,046	14,756	16,128	50.0	2.0
4 persons or more	1,000 . . .	22,330	23,227	24,092	24,106	8.0	0.4
Persons, total	1,000 . . .	197,213	213,141	229,455	239,416	21.0	0.9
Under 16 yrs. old	1,000 . . .	60,100	54,958	53,682	54,303	-10.0	-0.5
16-19 yrs. old	1,000 . . .	14,598	16,552	15,268	13,851	-5.0	-0.2
20-34 yrs. old	1,000 . . .	40,060	52,252	60,788	59,517	49.0	1.9
35-64 yrs. old	1,000 . . .	62,982	66,988	75,353	82,480	31.0	1.3
65 yrs. old and over	1,000 . . .	19,473	22,391	24,362	26,955	38.0	1.6
5 yrs. old and over	1,000 . . .	(NA)	198,434	212,932	222,101	12.0	0.9
Males, total	1,000 . . .	94,465	102,521	111,514	114,441	21.0	0.8
16 yrs. old and over	1,000 . . .	66,652	74,542	83,645	86,432	30.0	1.1
Females	1,000 . . .	102,748	110,620	117,939	124,975	22.0	0.8
16 yrs. old and over	1,000 . . .	73,526	83,721	92,080	96,371	31.0	1.1
Licensed drivers	1,000 . . .	102,986	127,552	147,015	163,025	58.0	2.2
Male	1,000 . . .	57,981	66,199	75,639	80,289	38.0	1.6
Female	1,000 . . .	45,005	61,353	71,376	82,707	84.0	2.9
Workers	1,000 . . .	75,758	93,019	103,244	118,343	56.0	2.1
Male	1,000 . . .	48,487	55,625	58,849	63,996	32.0	1.3
Female	1,000 . . .	27,271	37,394	44,395	54,334	99.0	3.3
Households with—							
No vehicle	1,000 . . .	12,876	11,538	11,548	8,573	-33.0	-1.9
One vehicle	1,000 . . .	30,252	26,092	28,870	30,654	1.0	0.1
Two vehicles	1,000 . . .	16,501	25,942	28,632	35,872	117.0	3.8
Three or more Vehicles	1,000 . . .	2,875	11,840	16,411	18,248	535.0	9.2
All vehicles available	1,000 . . .	72,500	120,098	143,714	165,221	128.0	4.0
Vehicle trips	Millions	87,284	108,826	126,874	158,927	82.0	2.9
Vehicle miles of travel (VMT)	Millions	775,940	907,603	1,002,139	1,409,600	82.0	2.9
Person trips	Millions	145,146	211,778	224,385	249,562	72.0	2.6
Person miles of travel	Millions	1,404,137	1,879,215	1,946,662	2,315,300	65.0	2.4
Ratios:							
Persons per household	Number . . .	2.316	2.83	2.69	2.56	(NA)	(NA)
Vehicles per household	Number . . .	2.116	1.59	1.68	1.77	(NA)	(NA)
Licensed drivers per household	Number . . .	2.165	1.69	1.72	1.75	(NA)	(NA)
Vehicles per licensed driver	Number . . .	2.070	0.94	0.98	1.01	(NA)	(NA)
Workers per household	Number . . .	2.121	1.23	1.21	1.27	(NA)	(NA)
Vehicles per worker	Number . . .	2.096	1.29	1.39	1.40	(NA)	(NA)
Daily vehicle trips per household	Number . . .	2.383	3.95	4.07	4.66	(NA)	(NA)
Daily VMT per household	Number . . .	234.01	32.97	32.16	41.37	(NA)	(NA)
Average vehicle trip length (miles)	Number . . .	8.89	8.34	7.90	8.87	(NA)	(NA)
Average annual VMT	Miles . . .	12,423	12,036	11,739	15,100	22.0	(NA)
Home to work	Miles . . .	4,183	3,815	3,538	4,853	16.0	(NA)
Shopping	Miles . . .	929	1,336	1,567	1,743	88.0	(NA)
Other family or personal business	Miles . . .	1,270	1,444	1,816	3,014	137.0	(NA)
Social and recreational	Miles . . .	4,094	3,286	3,534	4,060	-1.0	(NA)
Average annual vehicle trips	Number . . .	1,396	1,442	1,486	1,702	22.0	(NA)
Home to work	Number . . .	445	423	414	448	0.7	(NA)
Shopping	Number . . .	213	268	297	345	62.0	(NA)
Other family or personal business	Number . . .	195	215	272	411	111.0	(NA)
Social and recreational	Number . . .	312	320	335	349	12.0	(NA)
Average vehicle trip length	Miles . . .	8.9	8.4	7.9	9.0	1.0	(NA)
Home to work	Miles . . .	9.4	9.1	8.5	11.0	17.0	(NA)
Shopping	Miles . . .	4.4	5.0	5.3	5.1	16.0	(NA)
Other family or personal business	Miles . . .	6.5	6.8	6.7	7.4	14.0	(NA)
Social and recreational	Miles . . .	13.1	10.3	10.5	11.8	-10.0	(NA)
Average vehicle occupancy ³	Persons . . .	(NA)	1.9	1.7	1.6	4.13	(NA)
Home to work	Persons . . .	(NA)	1.3	1.3	1.1	4.13	(NA)
Shopping	Persons . . .	(NA)	2.1	1.8	1.7	4.16	(NA)
Other family or personal business	Persons . . .	(NA)	2.0	1.8	1.8	4.08	(NA)
Social and recreational	Persons . . .	(NA)	2.4	2.1	2.1	4.10	(NA)
Journey-to-work trip mode	Percent . . .	100.0	100.0	100.0	100.0	(NS)	(NS)
Auto	Percent . . .	82.7	80.5	77.6	91.4	(NS)	(NS)
Truck ⁵	Percent . . .	8.1	12.5	14.8	(NA)	(NS)	(NS)
Public transit	Percent . . .	8.4	4.7	5.8	5.5	(NS)	(NS)
Other	Percent . . .	0.8	2.3	1.8	3.1	(NS)	(NS)

NA Not available. NS Percent change irrelevant. ¹ Includes "don't know" and "refusals". ² Excludes pickups and other light-trucks as household vehicles. ³ Includes other purposes not shown separately. ⁴ Change from 1977. ⁵ Household based trucks, primarily pickups.

Source: Federal Highway Administration, *National Personal Transportation Survey, Summary of Travel Trends, 1969, 1977, 1983, and 1990.*

No. 1009. Roadway Congestion: 1991

[Various Federal, State, and local information sources were used to develop the data base with the primary source being the Federal Highway Administration's Highway Performance Monitoring System]

URBANIZED AREAS	FREEWAY DAILY VEHICLE MILES OF TRAVEL		DAILY VEHICLE HOURS OF DELAY		CONGESTION COST		Delay and fuel cost (mil. dol.)
	Total miles (1,000)	Per lane-mile of freeway	Total hours	Per 1,000 persons	Per reg. vehicle (dol.)	Per capita (dol.)	
Total, average	25,740	1,840	207,170	80	480	340	880
Northeastern cities	41,260	3,070	432,060	90	720	380	1,840
Baltimore, MD	25,820	2,010	130,470	60	530	270	550
Boston, MA	34,900	2,450	356,220	120	920	510	1,520
Hartford, CT	10,050	930	30,260	50	250	210	130
New York, NY	133,650	9,530	1,544,140	90	1,090	390	6,620
Philadelphia, PA	29,620	2,440	272,760	60	410	270	1,140
Pittsburgh, PA	13,280	1,630	115,340	60	390	260	480
Washington, DC	41,470	2,460	575,280	180	1,440	740	2,430
Midwestern cities	23,580	1,920	120,860	40	300	190	510
Chicago, IL	62,760	3,920	555,790	70	580	310	2,360
Cincinnati, OH	18,680	1,470	44,440	40	210	160	190
Cleveland, OH	22,490	1,840	49,780	30	140	120	220
Columbus, OH	13,690	1,300	41,570	50	240	200	180
Detroit, MI	38,160	2,870	383,690	100	560	400	1,610
Indianapolis, IN	13,120	1,230	17,130	20	130	80	70
Kansas City, MO	20,150	2,190	28,390	20	160	100	120
Louisville, KY	10,060	950	21,470	30	190	110	90
Milwaukee, WI	12,570	970	47,960	40	380	170	200
Minneapolis-St. Paul, MN	29,320	2,410	105,880	50	270	220	450
Oklahoma City, OK	11,310	1,170	22,070	30	190	130	90
St. Louis, MO	30,670	2,730	132,170	70	540	280	550
Southern cities	11,530	930	87,620	80	400	330	370
Atlanta, GA	40,200	2,770	239,490	130	640	530	1,010
Charlotte, NC	4,010	480	36,550	80	410	340	150
Ft. Lauderdale, FL	11,480	970	71,040	60	290	230	300
Jacksonville, FL	8,810	720	55,100	70	390	310	230
Memphis, TN	7,080	630	21,600	20	150	110	90
Miami, FL	14,140	990	228,860	120	670	510	950
Nashville, TN	8,390	810	40,090	70	330	290	170
New Orleans, LA	8,110	590	69,730	60	330	270	290
Norfolk, VA	8,960	760	78,150	80	400	350	330
Orlando, FL	9,730	970	74,330	80	420	360	310
Tampa, FL	5,880	490	48,840	70	320	290	210
Southwestern cities	16,560	1,300	116,140	70	390	300	500
Albuquerque, NM	3,990	350	19,840	40	200	150	80
Austin, TX	8,860	730	49,020	90	410	400	210
Corpus Christi, TX	2,580	300	3,470	10	70	50	10
Dallas, TX	38,480	2,760	274,030	130	780	570	1,180
Denver, CO	18,390	1,440	146,110	90	450	390	620
El Paso, TX	5,460	570	9,670	20	120	80	40
Fort Worth, TX	19,800	1,660	105,680	90	450	380	450
Houston, TX	47,500	3,240	409,970	140	780	600	1,750
Phoenix, AZ	13,140	1,030	179,060	90	600	390	750
Salt Lake City, UT	8,830	830	17,850	20	110	90	80
San Antonio, TX	15,090	1,340	62,910	50	310	230	270
Western cities	45,140	2,560	404,710	130	770	550	1,730
Honolulu, HI	7,570	550	57,640	90	500	380	250
Los Angeles, CA	177,550	8,410	1,834,240	160	1,000	660	7,790
Portland, OR	12,110	900	87,280	80	550	360	380
Sacramento, CA	15,520	1,220	82,020	70	280	300	350
San Bernardino-River, CA	24,100	1,460	249,720	200	1,340	870	1,070
San Diego, CA	44,600	2,780	159,710	70	490	300	690
San Francisco-Oakland, CA	67,620	3,850	658,550	180	930	760	2,830
San Jose, CA	26,600	1,890	236,310	160	990	670	1,010
Seattle-Everett, WA	30,590	1,960	276,930	150	890	660	1,190

Source: Texas Transportation Institute, College Station, Texas; *Roadway Congestion in Major Urban Areas*, annual (copyright).

No. 1010. Motor Vehicle Accidents—Number and Deaths: 1972 to 1994

[See also *Historical Statistics, Colonial Times to 1970*, series Q 208 and Q 224-232]

ITEM	Unit	1972	1980	1985	1989	1990	1991	1992	1993	1994
		¹								
Motor vehicle accidents ²	Million	17.0	17.9	19.3	12.8	11.5	11.3	(NA)	11.9	11.2
Cars	Million	24.5	22.8	25.6	15.3	14.3	13.7	(NA)	14.1	13.5
Trucks	Million	3.5	5.5	6.1	6.5	4.4	4.7	(NA)	5.9	5.2
Motorcycles	1,000	343	560	480	211	180	239	(NA)	187	178
Motor vehicle deaths within 1 yr. ³	1,000	56.3	53.2	45.9	47.6	46.8	43.5	41.0	42.2	43.0
Noncollision accidents	1,000	15.8	14.7	12.6	4.9	4.9	4.7	4.1	4.2	4.3
Collision accidents:										
With other motor vehicles	1,000	23.9	23.0	19.9	20.3	19.9	18.2	17.6	18.3	19.3
With pedestrians	1,000	10.3	9.7	8.5	7.8	7.3	6.6	6.3	6.1	5.6
With fixed objects	1,000	3.9	3.7	3.2	12.9	13.1	12.6	11.7	12.1	12.4
Deaths within 30 days ⁴	1,000	54.6	51.1	43.8	45.6	44.6	41.5	39.3	40.1	40.7
Vehicle occupants	1,000	41.4	36.8	31.5	34.9	33.9	31.9	30.5	31.1	32.0
Pedestrians	1,000	9.2	8.1	6.8	6.6	6.5	5.8	5.5	5.6	5.5
Motorcyclists ⁵	1,000	3.0	5.1	4.6	3.1	3.2	2.8	2.4	2.4	2.3
Bicyclists	1,000	1.0	1.0	0.9	0.8	0.9	0.8	0.7	0.8	0.8
Traffic death rates: ^{4,6}										
Per 100,000 resident population	Rate	26.2	22.5	18.4	18.4	17.9	16.5	15.4	15.6	15.6
Per 100,000 registered vehicles	Rate	44.5	34.8	24.8	23.6	23.1	21.6	21.2	21.3	21.2
Per 100 million vehicle miles	Rate	4.3	3.3	2.5	2.2	2.1	1.9	1.8	1.8	1.7
Per 100,000 licensed drivers	Rate	46.1	35.2	27.9	27.6	26.7	24.6	22.7	22.8	23.2
Motor vehicle accidents ⁷	Million	24.9	24.1	32.5	34.4	33.4	31.3	31.8	32.8	33.9
Injuries ^{7,8}	1,000	5,190	5,230	5,044	5,560	5,560	5,285	5,445	5,675	5,885
Economic loss ⁸	Bil. dol.	28.7	57.1	76.0	93.9	95.9	93.8	98.1	104.1	110.5

NA Not available. ¹ Represents peak year for deaths from motor vehicle accidents. ² Covers only accidents occurring on the road. ³ Deaths that occur within 1 year of accident. Includes collision categories not shown separately. ⁴ Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. ⁵ Includes motor scooters and motorized bicycles (mopeds). ⁶ Based on 30-day definition of traffic deaths. ⁷ Source: Insurance Information Institute, New York, NY, *Insurance Facts*. Estimates based on official reports from a representative cross-section of States. Includes all motor vehicle accidents on and off the road and all injuries regardless of length of disability. ⁸ Wage loss; legal, medical, hospital, and funeral expenses; insurance administrative costs; and property damage.

Source: Except as noted, National Safety Council, Itasca, IL, *Accident Facts*, annual (copyright).

No. 1011. Motor Vehicle Deaths, by State: 1985 to 1994

[Includes both traffic and nontraffic motor vehicle deaths. See source for definitions]

REGION DIVISION STATE	1985	1990	1993	1994	MILEAGE RATE ¹		REGION DIVISION STATE	1985	1990	1993	1994	MILEAGE RATE ¹	
					1985	1994						1985	1994
U.S...	45,901	47,151	42,200	43,000	2.6	1.8	DC	96	91	(NA)	(NA)	3.0	(NA)
Northeast	6,797	6,610	5,391	5,030	(NA)	(NA)	VA	1,021	1,091	875	925	2.1	1.4
N.E.	1,873	1,617	1,310	1,193	(NA)	(NA)	WV	461	502	435	356	3.6	2.1
ME	224	215	186	185	2.4	1.5	NC	1,553	1,489	1,384	1,428	3.1	2.0
NH	198	154	122	119	2.6	1.1	SC	943	987	845	832	3.5	2.3
VT	117	94	112	77	2.5	1.3	GA	1,462	1,659	1,407	1,438	2.7	1.8
MA	761	655	474	439	1.9	0.9	FL	2,968	3,049	2,693	2,735	3.4	2.2
RI	124	104	74	63	2.1	0.9	E.S.C	3,664	4,259	3,879	3,873	(NA)	(NA)
CT	449	395	342	310	2.0	1.1	KY	749	850	875	791	2.5	2.0
M.A.	4,924	4,993	4,081	3,837	(NA)	(NA)	TN	1,219	1,312	1,175	1,208	2.4	2.3
NY	2,121	2,318	1,764	1,636	2.3	1.4	AL	1,005	1,234	1,016	1,082	2.0	2.2
NJ	986	908	787	761	1.9	1.2	MS	691	863	813	792	2.9	2.9
PA.	1,817	1,767	1,530	1,440	2.4	1.6	W.S.C	6,197	5,713	5,175	5,271	(NA)	(NA)
Midwest	9,760	10,248	8,719	9,189	(NA)	(NA)	AR	580	625	583	611	2.9	2.5
E.N.C.	6,602	6,913	5,884	6,026	(NA)	(NA)	LA	1,011	1,023	883	823	2.7	2.2
OH	1,581	1,708	1,484	1,368	2.1	1.4	OK	781	684	672	695	2.1	1.9
IN.	1,045	1,097	891	979	2.6	1.6	TX.	3,825	3,381	3,037	3,142	2.1	1.8
IL	1,594	1,650	1,392	1,554	2.3	1.7	West	10,352	10,561	8,245	8,728	(NA)	(NA)
MI.	1,605	1,633	1,414	1,419	2.4	1.6	Mt	3,409	3,379	2,908	3,178	(NA)	(NA)
WI.	777	825	703	706	2.1	1.4	MT	233	225	194	202	2.7	2.3
W.N.C.	3,158	3,335	2,835	3,163	(NA)	(NA)	ID	268	259	233	249	2.6	2.1
MN.	657	644	538	644	2.0	1.5	WY	145	130	120	144	2.2	2.1
IA.	478	481	437	475	2.4	1.9	CO	628	583	561	584	2.1	1.7
MO	1,005	1,174	949	1,089	2.6	1.9	NM	561	534	433	447	3.3	2.3
ND	117	128	89	88	2.2	1.4	AZ.	942	947	801	915	2.7	2.3
SD	142	166	140	154	2.3	2.0	UT	335	296	303	343	4.0	2.0
NE	259	289	254	271	2.1	1.8	NV	297	405	263	294	3.9	2.5
KS	500	453	428	442	2.6	1.8	Pac	6,943	7,182	5,337	5,550	(NA)	(NA)
South	19,250	19,732	17,478	17,626	(NA)	(NA)	WA	786	875	661	641	2.3	1.4
S.A.	9,389	9,760	8,424	8,482	(NA)	(NA)	OR	605	608	522	491	2.8	1.7
DE	119	151	113	112	2.2	1.6	CA	5,294	5,411	3,903	4,212	2.6	1.5
MD	766	741	672	656	2.3	1.5	AK	124	102	117	84	3.2	2.1
							HI	134	186	134	122	2.0	1.5

NA Not available. ¹ Deaths per 100 million vehicle miles.

Source: 1985: National Center for Health Statistics; thereafter, National Safety Council, Itasca, IL, *Accident Facts*, annual (copyright).

No. 1012. Fatal Motor Vehicle Accidents—National Summary: 1980 to 1994

[Based on data from the Fatal Accident Reporting System (FARS). FARS gathers data on accidents that result in loss of human life. FARS is operated and maintained by National Highway Traffic Safety Administration's (NHTSA) National Center for Statistics and Analysis (NCSA). FARS data are gathered on motor vehicle accidents that occurred on a roadway customarily open to the public, resulting in the death of a person within 30 days of the accident. Collection of these data depend on the use of police, hospital, medical examiner/coroner, and Emergency Medical Services reports; State vehicle registration, driver licensing, and highway department files; and vital statistics documents and death certificates. See source for further detail]

ITEM	1980	1985	1989	1990	1991	1992	1993	1994
Fatal accidents, total	45,284	39,196	40,741	39,836	36,937	34,942	35,780	36,223
One vehicle involved	28,306	22,875	23,742	23,445	21,910	20,388	20,569	20,505
Two or more vehicles involved	16,978	16,321	16,999	16,391	15,027	14,554	15,211	15,718
Persons killed in fatal accidents	51,091	43,825	45,582	44,599	41,508	39,250	40,150	40,676
Occupants ¹	41,927	36,043	38,087	37,134	34,740	32,880	33,574	34,293
Drivers	28,816	25,337	26,389	25,750	23,930	22,584	23,142	23,695
Passengers	12,972	10,619	11,624	11,276	10,688	10,211	10,361	10,502
Nonoccupants ¹	9,164	7,782	7,495	7,465	6,768	6,370	6,576	6,383
Pedestrians	8,070	6,808	6,556	6,482	5,801	5,549	5,649	5,472
Pedalcyclists	965	890	832	859	843	723	816	802
Occupant fatalities by type of vehicle, total	41,927	36,043	38,087	37,134	34,740	32,880	33,574	34,293
Passenger cars ¹	27,449	23,212	25,063	24,092	22,385	21,387	21,566	21,903
Mini-compact	3,141	3,571	3,812	3,556	3,039	2,714	2,635	2,294
Subcompact	4,158	4,422	4,928	4,753	4,655	4,314	4,333	4,642
Compact	927	2,635	5,099	5,310	5,338	5,354	5,707	6,245
Intermediate	3,878	4,391	5,055	4,849	4,681	4,418	4,483	4,334
Full size	4,831	2,974	2,641	2,386	2,073	2,120	2,067	2,064
Largest size	6,746	3,612	2,610	2,249	1,967	1,676	1,608	1,463
Motorcycles	4,961	4,417	3,036	3,129	2,703	2,291	2,336	2,176
Other motorized cycles	183	147	105	115	103	104	113	128
Multipurpose vehicles	895	855	1,135	1,214	1,476	1,335	1,521	1,751
Light trucks	6,591	5,834	7,416	7,387	6,915	6,763	6,990	7,126
Pickup	5,483	4,640	5,870	5,979	5,671	5,385	5,538	5,562
Van	1,000	791	1,214	1,154	1,154	1,292	1,365	1,497
Medium trucks	285	157	128	134	115	99	90	110
Heavy trucks	977	820	730	571	546	486	515	553
Buses	46	57	50	32	31	28	18	21
Persons involved in fatal accidents	113,289	104,045	109,866	107,777	99,369	95,691	97,589	98,858
Occupants ¹	103,049	95,482	101,401	99,297	91,707	88,367	90,150	91,573
Drivers	62,957	57,883	6,435	58,893	54,391	51,901	53,401	54,514
Passengers	39,892	37,477	40,816	40,229	37,108	36,330	36,599	36,885
Nonoccupants	10,240	8,563	8,465	8,480	7,662	7,324	7,439	7,285
Vehicle miles traveled (VMT) (100 million)	15,273	17,742	21,070	21,444	21,721	22,471	22,967	23,600
Licensed drivers (1,000)	145,295	156,868	165,555	167,015	168,995	173,125	173,149	175,403
Registered vehicles (1,000)	161,490	177,098	191,694	192,915	192,314	194,427	198,041	201,763
Fatalities by road type	(NA)	(NA)	45,582	44,599	41,508	39,250	(NA)	(NA)
Interstate	4,427	4,148	4,971	4,993	4,574	4,350	(NA)	(NA)
Federal-aid primary	(NA)	14,526	14,732	14,203	13,158	12,052	(NA)	(NA)
Federal-aid secondary	(NA)	6,429	6,769	6,892	6,249	5,849	(NA)	(NA)
Federal-aid urban	(NA)	8,116	8,398	8,432	7,511	6,582	(NA)	(NA)
Non-Federal-aid	(NA)	10,408	10,579	10,039	9,924	8,826	(NA)	(NA)
Fatal accidents by the highest blood alcohol concentration (BAC) in accident:								
0.00 percent	(NA)	48.5	51.1	50.6	52.1	54.5	56.5	59.1
0.01 to 0.09 percent	(NA)	10.3	9.8	9.7	9.4	9.1	8.5	8.4
0.10 percent and over	(NA)	41.2	39.1	39.7	38.5	36.4	35.0	32.5
Rates:								
Fatality rate by age group:								
Under 5 years old	6.9	5.2	5.4	4.9	4.6	4.5	4.5	4.8
5 years to 15 years old	8.7	7.4	7.0	6.4	6.1	5.9	5.8	5.9
16 years to 24 years old	46.0	37.1	36.7	35.2	33.0	29.5	30.2	30.8
25 years to 44 years old	24.6	19.6	20.0	19.7	17.7	16.6	16.9	16.3
45 years to 64 years old	17.2	14.5	15.0	14.9	13.5	13.1	13.0	13.3
65 years to 79 years old	19.6	18.0	19.1	18.8	18.0	17.9	17.9	18.6
80 years old and over	25.3	25.1	28.8	26.8	26.9	26.0	28.0	28.2
Fatalities per 100 million VMT	3.3	2.5	2.2	2.1	1.9	1.8	1.7	1.7
Fatalities per 100,000 licensed drivers	35.2	27.9	27.5	26.7	24.6	22.7	23.2	23.2
Licensed driver per person	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
VMT per registered vehicle	9,458	10,018	10,936	11,107	11,294	11,558	12,189	12,281
Fatalities per 100,000 registered vehicles	31.6	24.8	23.8	23.1	21.6	20.2	21.3	21.2
Fatal crashes per 100 million VMT	2.9	2.2	1.9	1.9	1.7	1.6	1.6	1.5
Involved vehicles per fatal crash	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Fatalities per fatal crash	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Average occupants per fatal crash	2.3	2.4	2.5	2.5	2.5	2.5	2.5	2.5
Fatalities per 100,000 population	22.5	18.4	18.4	17.9	16.5	15.4	15.6	15.6

NA Not available. ¹ Includes items not shown separately.

Source: National Highway Traffic Safety Administration, *Fatal Accident Reporting System*, annual.

No. 1013. Highway Mileage, Vehicle Miles of Travel, Accidents, and Fatalities, 1980 to 1994, and by Type of Highway System, 1994

YEAR AND TYPE OF SYSTEM	Highway mileage (1,000)	Vehicle miles of travel (bil.)	Daily vehicle miles per mile	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS		FATALITIES ²	
				Number	Rate ¹	Number (1,000)	Rate ¹	Number	Rate ¹
1980	3,857	1,527	1,082	45,284	2.96	2,008	131	51,091	3.35
1985	3,862	1,774	1,259	39,168	2.21	2,219	125	43,825	2.47
1986	3,880	1,835	1,298	41,062	2.23	2,254	123	46,087	2.51
1987	3,874	1,921	1,361	41,434	2.15	2,294	119	46,390	2.41
1988	3,871	2,026	1,430	42,119	2.08	2,302	114	47,087	2.32
1989	3,877	2,096	1,489	40,718	1.93	2,384	113	45,582	2.16
1990	3,880	2,148	1,516	39,779	1.85	2,501	116	44,529	2.07
1991	3,889	2,172	1,530	36,895	1.70	2,210	102	41,462	(NA)
1992	3,902	2,240	1,568	34,928	1.56	2,216	99	39,235	1.75
1993	3,905	2,297	1,611	35,750	1.56	(NA)	(NA)	40,115	1.75
1994, total	3,907	2,360	1,655	36,223	1.53	(NA)	(NA)	40,676	1.72
Urban	814	1,451	4,884	15,627	1.08	(NA)	(NA)	16,983	1.17
Rural	3,092	909	805	20,596	2.26	(NA)	(NA)	23,693	2.61
Interstate	45	547	33,303	4,047	0.74	(NA)	(NA)	4,641	0.85
Urban	14	331	64,775	1,907	0.58	(NA)	(NA)	2,107	0.64
Rural	32	216	18,493	2,140	0.99	(NA)	(NA)	2,534	1.17
Noninterstate	3,860	1,813	1,287	32,176	1.80	(NA)	(NA)	36,035	1.99
Urban	800	1,120	3,836	13,720	1.72	(NA)	(NA)	14,876	1.33
Rural	3,060	693	620	18,456	2.66	(NA)	(NA)	21,159	3.05

NA Not available. ¹ Rate per 100 million vehicle miles of travel. ² Represents fatalities occurring within 30 days of accident. Excludes nontraffic accidents which, for example, occur outside the rights-of-way or other boundaries of roads that are open for public use.

Source: U.S. Federal Highway Administration, *Fatal and Injury Accident Rates on Public Roads in the United States*, annual.

No. 1014. Motor Vehicle Safety Defect Recalls, by Domestic and Foreign Manufacturers: 1980 to 1995

[Covers manufacturers reporting to U.S. National Highway Traffic Administration under section 151 of National Traffic and Motor Vehicle Safety Act of 1966, as amended]

MANUFACTURER	Unit	1980	1985	1988	1989	1990	1991	1992	1993	1994	1995
Motor vehicles:											
Total recall campaigns ¹	Number	167	173	197	237	208	220	187	221	244	264
Domestic	Number	129	137	152	182	159	168	142	178	178	189
Foreign	Number	38	36	45	55	49	52	45	43	66	75
Total vehicles recalled	1,000	4,868	5,629	4,486	7,137	5,985	8,279	10,122	10,922	6,063	18,295
Domestic	1,000	3,943	4,995	3,171	6,173	4,070	6,646	6,545	7,655	4,280	9,041
Foreign	1,000	925	634	1,315	964	1,915	1,633	3,577	3,267	1,784	9,254
Motor vehicle tires:											
Recall campaigns ¹	Number	24	19	12	11	13	12	7	5	5	3
Tires recalled	1,000	7,070	28	215	115	172	153	8	6	93	10

¹ A recall campaign is the notification to the Secretary of the U.S. Dept. of Transportation and to owners, purchasers, and dealers of motor vehicles and motor vehicle equipment.

Source: U.S. National Highway Traffic Safety Administration, *Motor Vehicles Recall Campaigns*, annual.

No. 1015. Cost of Owning and Operating an Automobile: 1980 to 1993

ITEM	Unit	1980	1985	1988	1989	1990	1991	1992	1993
Cost per mile ¹	Cents	27.95	27.20	33.40	38.20	40.96	43.64	45.77	45.14
Cost per 10,000 miles	Dollars	2,795	2,720	3,341	3,820	4,096	4,364	4,577	4,514
Variable cost	Cents/mile	7.62	8.04	7.60	7.90	8.40	9.80	9.10	9.30
Gas and oil	Cents/mile	5.86	6.16	5.20	5.20	5.40	6.70	6.00	6.00
Maintenance	Cents/mile	1.12	1.23	1.60	1.90	2.10	2.20	2.20	2.40
Tires	Cents/mile	0.64	0.65	0.80	0.80	0.90	0.90	0.90	0.90
Fixed cost	Dollars	2,033	2,441	3,061	3,534	3,877	4,217	4,538	4,486
Insurance	Dollars	490	503	573	663	675	726	747	724
License and registration	Dollars	82	115	139	151	165	169	179	183
Depreciation	Dollars	1,038	1,253	1,784	2,094	2,357	2,543	2,780	2,883
Finance charge	Dollars	423	570	565	626	680	779	832	696

¹ Beginning 1985, not comparable to previous data.

Source: American Automobile Manufacturers Association Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual (copyright).

No. 1016. State Legislation—Alcohol and Road Safety Laws: Various Years

REGION, DIVISION, AND STATE	ALCOHOL LEGISLATION			MANDATORY BELT USE LAW			Child safety seat law date ⁵	Motor- cycle helmet law ⁶	65 SPEED LIMIT	
	21 year drinking age since ¹	Open con- tainer law ²	BAC limit ³	Effective date	Enforce- ment ⁴	Seating posi- tions			Effective date ⁷	Applic- able vehicles
Northeast:										
N.E.:										
ME	1985	no	0.08	none	(X)	(X)	9/83	⁸ 9/15	6/87	all
NH	1985	yes	0.08	none	(X)	(X)	7/89	18	4/87	all
VT	1986	no	0.08	1/94	2	all	7/84	yes	4/87	all
MA	1985	yes	0.10	2/94	2	all	1/82	yes	12/91	all
RI	1984	no	¹⁰ 0.10	7/91	2	all	7/87	(11)	none	(X)
CT	1985	no	0.10	1/86	1	front	1982	18	none	(X)
M.A.:										
NY	1985	no	¹⁰ 0.10	12/84	1	front	4/82	yes	none	(X)
NJ	1982	yes	¹⁰ 0.10	3/85	2	front	4/83	yes	none	(X)
PA	1935	no	0.10	11/87	2	front	11/83	yes	none	(X)
Midwest:										
E.N.C.:										
OH	1987	yes	¹⁰ 0.10	5/86	2	front	6/83	⁹ 18	7/87	some
IN	1935	yes	¹⁰ 0.10	7/87	2	front	1/84	18	6/87	some
IL	1980	yes	0.10	7/85	2	front	7/83	no	4/87	some
MI	1978	yes	¹⁰ 0.10	7/85	2	all	3/82	yes	12/87	some
WI	1986	yes	¹⁰ 0.10	12/87	2	front	4/84	⁸ 18	6/87	all
W.N.C.:										
MN	1986	yes	¹⁰ 0.10	8/86	2	front	8/83	⁸ 18	6/87	all
IA	1986	yes	0.10	7/86	1	front	1/85	no	5/87	all
MO	1945	no	0.10	9/85	2	front	1/84	yes	4/87	some
ND	1936	yes	0.10	12/94	2	front	1/84	18	4/87	all
SD	1987	yes	0.10	11/94	2	front	7/84	18	4/87	all
NE	1985	no	0.10	1/93	2	front	8/83	yes	4/87	all
KS	1985	yes	0.08	7/86	2	front	7/81	18	5/87	some
South:										
S.A.:										
DE	1983	yes	0.10	1992	2	front	6/82	⁸ 12/19	none	(X)
MD	1982	no	¹⁰ 0.10	7/86	2	¹³ front	1/84	yes	none	(X)
DC	1986	no	¹⁰ 0.10	12/85	2	¹³ front	7/83	yes	none	(X)
VA	1986	no	0.08	1/88	2	front	1/83	yes	7/88	all
WV	1986	no	0.10	9/93	2	front	7/81	yes	5/87	all
NC	1986	yes	0.08	10/85	1	front	7/85	yes	4/87	all
SC	1986	yes	¹⁰ 0.10	7/89	2	front	1/89	21	7/87	all
GA	1986	yes	¹⁰ 0.10	9/88	2	front	7/84	yes	2/88	all
FL	1985	yes	0.08	7/86	2	front	7/83	yes	4/87	all
E.S.C.:										
KY	1938	no	0.10	7/94	2	all	7/82	yes	6/87	all
TN	1984	no	0.10	4/86	2	front	1/78	yes	5/87	all
AL	1985	no	0.10	7/92	2	front	1982	yes	1987	all
MS	1986	no	0.10	3/90	2	front	7/83	yes	4/87	all
W.S.C.:										
AR	1967	no	¹⁰ 0.10	7/91	2	front	8/83	yes	4/87	all
LA	1987	no	¹⁰ 0.10	7/86	2	front	1/85	yes	4/87	all
OK	1983	yes	¹⁰ 0.10	2/87	2	front	11/83	18	4/87	all
TX	1985	no	¹⁰ 0.10	9/85	1	front	1/85	yes	5/87	some
West:										
Mountain:										
MT	1987	no	0.10	10/87	2	all	10/83	18	4/87	all
ID	1987	¹⁴ yes	0.10	7/86	2	front	1/85	18	5/87	all
WY	1988	no	0.10	6/89	2	front	4/85	18	5/87	all
CO	1987	no	0.10	7/87	2	front	1/84	no	4/87	all
NM	1934	yes	¹⁰ 0.08	1/86	1	front	5/83	18	4/87	all
AZ	1984	no	0.10	1/91	2	front	1984	18	4/87	all
UT	1935	yes	0.08	4/86	2	front	4/83	18	5/87	all
NV	1933	yes	0.10	7/87	2	all	7/83	yes	4/87	all
Pacific:										
WA	1934	yes	¹⁰ 0.10	6/86	2	all	1/84	yes	4/87	some
OR	1935	yes	¹⁰ 0.08	12/90	1	all	1/84	yes	10/87	some
CA	1933	yes	¹⁰ 0.08	1/86	1	all	1/83	yes	5/87	some
AK	1983	yes	0.10	9/90	2	all	6/85	18	8/92	all
HI	1986	yes	0.10	12/85	1	front	1983	18	none	(X)

X Not applicable. ¹ Year in which original law became effective, not when grandfather clauses expired. ² Law prohibiting open liquor containers in motor vehicles. ³ Percent blood alcohol concentration (BAC) which constitutes the threshold of legal intoxication. ⁴ "1" indicates primary enforcement (law can be enforced on its own), "2" indicates secondary enforcement. (Law enforced only if vehicle stopped for a separate offense.) ⁵ Effective date of original law, not of subsequent revisions. ⁶ Presence of law or age below which riders are required to wear helmet. ⁷ Includes administrative action as well as legislation. ⁸ Plus instruction permit holders. ⁹ Plus novice license holders. ¹⁰ Different legal limit for minors; repeat offenders (WI only). ¹¹ Operators under 21 for first year; passengers. ¹² Possession of helmet required by all. ¹³ Excluding front center seat. ¹⁴ Does not include beer.

Source: National Safety Council, Itasca, IL, *Accident Facts*, annual (copyright).

No. 1017. Estimated Arrests for Driving Under the Influence, by Age: 1980 and 1989

[Total drivers and arrests in thousands. Represents licensed drivers and arrests for those 16 years old and over]

AGE	1980			1989			Percent change in rate, 1980-89
	Drivers	Arrests	Arrests per 100,000 drivers	Drivers	Arrests	Arrests per 100,000 drivers	
Total	145,207	1,425	981	165,518	1,735	1,048	6.9
Percent distribution	100.0	100.0	(X)	100.0	100.0	(X)	(X)
16 to 17 years old	3.2	2.2	668	2.3	1.1	503	-24.7
18 to 24 years old	7.2	12.9	1,757	5.4	8.3	1,607	-8.5
25 to 29 years old	13.0	17.9	1,347	12.4	22.2	1,869	38.8
30 to 34 years old	12.0	13.1	1,076	12.4	17.6	1,486	38.1
35 to 39 years old	9.4	9.6	996	11.2	12.0	1,123	12.8
40 to 44 years old	7.7	7.4	944	9.7	8.1	872	-7.6
45 to 49 years old	6.9	5.9	837	7.6	5.3	725	-13.4
50 to 54 years old	6.9	4.9	686	6.2	3.3	558	-18.7
55 to 59 years old	6.7	3.5	509	5.7	2.2	400	-21.4
60 to 64 years old	5.7	1.9	335	5.6	1.4	262	-21.8
65 years old and over	10.7	1.5	140	13.0	1.2	100	-28.6

X Not applicable.

Source: U.S. Bureau of Justice Statistics, *Drunk Driving, Special Report*.

No. 1018. Police-Reported Traffic Accidents, by Age Group: 1994

[Based on probability sample of police-reported accidents. See source for details]

ITEM	Total	15 yrs. and under	16 to 20 yrs.	21 to 24 yrs.	25 to 34 yrs.	35 to 44 yrs.	45 to 54 yrs.	55 to 64 yrs.	65 yrs. and older
Crash-involved	11,430,000	74,000	1,831,000	1,304,000	2,881,000	2,450,000	1,378,000	719,000	823,000
Percent male	61	64	60	59	62	61	62	64	61
Percent female	39	36	40	41	38	39	38	36	39
Percent alcohol-involved	4	5	2	4	5	4	3	2	1
Passengers injured or killed	3,090,000	324,000	521,000	356,000	684,000	506,000	293,000	179,000	227,000
Percent male	48	46	50	50	50	47	44	47	43
Percent female	52	54	50	50	50	53	56	53	57
Pedestrians injured or killed	95,000	32,000	11,000	6,000	12,000	13,000	8,000	5,000	8,000
Percent during day	61	69	45	50	50	62	62	60	75
Percent at night	39	31	55	50	50	38	38	40	25
Pedalcyclists injured or killed	60,000	26,000	8,000	5,000	11,000	5,000	3,000	1,000	1,000

Source: U.S. National Highway Traffic Safety Administration, *General Estimates System*, annual; and unpublished data.

No. 1019. Domestic Motor Fuel Consumption, by Type of Vehicle: 1970 to 1994

[Comprises all fuel types used for propulsion of vehicles under State motor fuels laws. Excludes Federal purchases for military use. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Q 156-162]

YEAR	FUEL CONSUMPTION					AVG. FUEL CONSUMPTION PER VEHICLE (gal.)			AVG. MILES PER GALLON		
	All vehicles (bil. gal.)	Avg. annual percent change ¹	Cars ² (bil. gal.)	Buses ³ (bil. gal.)	Trucks ⁴ (bil. gal.)	Cars ²	Buses ³	Trucks ⁴	Cars ²	Buses ³	Trucks ⁴
1970	92.3	5.4	67.8	0.8	23.6	760	2,172	1,257	13.5	5.5	7.9
1975	109.0	2.5	76.4	1.1	31.4	716	2,279	1,217	13.5	5.8	9.0
1980	115.0	-5.9	71.9	1.0	41.9	591	1,926	1,243	15.5	6.0	9.5
1981	114.5	-0.4	71.0	1.1	42.2	576	1,938	1,219	15.9	5.9	9.6
1982	113.4	-0.9	70.1	1.0	42.1	566	1,756	1,191	16.7	5.9	9.8
1983	116.1	2.4	69.9	0.9	45.1	553	1,507	1,229	17.1	5.9	9.8
1984	118.7	2.3	68.7	0.8	49.0	536	1,359	1,308	17.8	5.9	9.8
1985	121.3	2.2	69.3	0.8	51.0	525	1,407	1,302	18.2	5.8	9.8
1986	125.2	3.2	71.4	0.9	52.9	526	1,463	1,320	18.3	5.8	9.8
1987	127.5	1.8	70.6	0.9	55.8	514	1,500	1,357	19.2	5.9	9.9
1988	130.1	2.0	71.9	0.9	57.2	509	1,496	1,345	20.0	5.9	10.2
1989	131.8	1.3	72.7	0.9	57.9	509	1,518	1,328	20.4	6.0	10.4
1990	130.8	-0.8	72.0	0.9	57.7	502	1,428	1,290	21.0	6.4	10.7
1991	128.6	-1.7	70.7	0.9	56.8	496	1,369	1,264	21.7	6.7	11.0
1992	132.9	3.2	73.9	0.9	58.0	512	1,360	1,275	21.7	6.6	10.9
1993	³ 137.2	3.1	73.6	0.9	26.0	559	1,447	4,249	21.0	6.5	6.2
1994	³ 140.1	2.1	73.8	1.0	27.6	551	1,454	4,375	21.5	6.6	6.2

¹ From prior year, except 1970, change from 1965. ² Includes taxicabs. The format used to report some vehicle types was changed. In previous years, some other 2-axle 4-tire vehicles were included in the passenger car category. Other 2-axle 4-tire vehicles are now separate from the truck category. ³ Includes school buses. ⁴ Includes combinations.

Source: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*, and *Highway Statistics, annual*.

No. 1020. U.S. Vehicle, by Model Year and Vehicle Fuel Efficiency: 1991

[For composition of regions, see table 27]

1990 HOUSEHOLD CHARACTERISTICS	U.S. VEHICLES (mil.)					U.S. VEHICLE FUEL EFFICIENCY (mpg)				
	All model years	Model year				All model years	Model year			
		1991 to 1992	1990	1989	1986 to 1988		1991 to 1992	1990	1989	1986 to 1988
Total	151.2	5.5	10.5	12.5	39.0	19.3	21.8	21.5	21.8	22.0
Urban	114.3	4.5	8.5	10.2	30.8	19.8	21.8	21.9	22.1	22.2
Rural	36.9	1.0	2.0	2.4	8.2	18.0	21.6	19.6	20.6	21.5
Household size:										
1 person	22.1	0.7	1.4	1.5	4.9	19.1	(S)	21.0	21.7	23.4
2 persons	49.9	1.9	3.7	4.0	13.1	19.3	20.9	21.1	22.1	21.3
3 persons	30.3	1.1	2.0	2.8	8.5	20.1	22.5	22.3	21.8	22.9
4 persons	29.3	1.3	2.0	2.9	7.7	19.4	21.7	21.7	21.6	22.2
5 persons	13.6	0.4	0.9	0.9	3.5	18.9	(S)	21.4	21.8	21.4
6 persons or more	6.0	(S)	(S)	(S)	1.2	17.6	(S)	(S)	(S)	19.3
Households with children	65.1	2.5	4.5	5.5	16.8	19.4	21.9	21.8	22.0	22.0
Households without children	86.2	3.0	6.0	7.0	22.2	19.3	21.7	21.2	21.7	22.0
One adult	22.1	0.7	1.4	1.5	4.9	19.1	(S)	21.0	21.7	23.4
Two or more adults	64.0	2.3	4.5	5.5	17.2	19.4	21.3	21.2	21.7	21.7
White	135.3	5.1	9.4	11.1	35.8	19.3	21.8	21.4	21.6	21.9
Black	12.8	(S)	0.7	1.1	2.5	19.4	(S)	(S)	24.3	23.5
Other	3.1	(S)	(S)	(S)	0.6	19.3	(S)	(S)	(S)	(S)
Hispanic descent:										
Yes	9.4	(S)	(S)	(S)	2.3	18.3	(S)	(S)	(S)	20.1
No	141.8	5.3	10.0	12.0	36.6	19.4	21.8	21.4	21.8	22.1

S Figure does not meet publications standards.

Source: U.S. Energy Information Administration, *Household Vehicles Energy Consumption, 1991*.

No. 1021. Household Vehicles—Annual Mileage, Fuel Consumption, and Fuel Expenditures: 1991

1990 HOUSEHOLD CHARACTERISTICS	VEHICLES		VEHICLE MILES TRAVELED		CONSUMPTION			EXPENDITURES	
	Total (mil.)	Percent	Total (bil.)	Percent	Total (bil.)	Gallon (per cent)	Btu. (quadrillion)	Total (bil. dol.)	Percent
Total	151.2	100.0	1,602	100.0	82.8	100.0	10.3	98.2	100.0
Households with children	65.1	43.0	753	47.0	38.9	46.9	4.8	46.1	46.9
Households without children	86.2	57.0	849	53.0	44.0	53.1	5.5	52.2	53.1
One adult	22.1	14.6	198	12.4	10.4	12.5	1.3	12.3	12.5
Two or more adults	64.0	42.3	651	40.6	33.6	40.6	4.2	39.9	40.6
White	135.3	89.5	1,429	89.2	73.9	89.2	9.1	87.5	89.1
Black	12.8	8.4	143	8.9	7.4	8.9	0.9	8.9	9.0
Other	3.1	2.1	30	1.9	1.6	1.9	0.2	1.8	1.9
Hispanic descent:									
Yes	9.4	6.2	95	5.9	5.2	6.3	0.6	6.1	6.3
No	141.8	93.8	1,507	94.1	77.6	93.7	9.6	92.1	93.7
Eligible for Federal assistance	29.8	19.7	279	17.4	15.6	18.8	1.9	18.3	18.6
Number of drivers (fall 1990):									
1	34.6	22.9	321	20.0	16.8	20.3	2.1	20.0	20.3
2	86.7	57.3	934	58.3	48.5	58.6	6.0	57.5	58.6
3	22.0	14.5	258	16.1	13.0	15.7	1.6	15.5	15.8
4 or more	7.2	4.7	84	5.2	4.2	5.1	0.5	4.9	5.0
Average number of vehicles per household during the year:									
Part-year vehicle	2.1	1.4	21	1.3	1.1	1.3	0.1	1.3	1.4
Only 1	27.5	18.2	269	16.8	13.4	16.2	1.7	16.0	16.3
Between 1 and 2	14.1	9.3	152	9.5	7.9	9.5	1.0	9.4	9.5
Only 2	49.4	32.6	534	33.3	27.1	32.7	3.4	32.3	32.9
Between 2 and 3	19.3	12.8	219	13.7	11.6	14.1	1.4	13.7	14.0
Only 3	17.6	11.6	187	11.7	9.8	11.8	1.2	11.6	11.8
Between 3 and 4	10.6	7.0	112	7.0	6.0	7.2	0.7	7.0	7.1
4 or more	10.8	7.2	108	6.8	5.9	7.1	0.7	7.0	7.1

Source: U.S. Energy Information Administration, *Household Vehicles Energy Consumption, 1991*.

No. 1022. Motor Vehicle Travel, by Type of Vehicle and by Speed: 1970 to 1994

[Travel in billions of vehicle-miles, except as indicated. Travel estimates based on automatic traffic recorder data. Speed trend data for 1970s were collected by several State highway agencies, normally during summer months; beginning Oct. 1975 all States have monitored speeds at locations on several highway systems Monitoring Program. See also *Historical Statistics, Colonial Times to 1970*, series Q 199-207]

YEAR	VEHICLE-MILES OF TRAVEL (bil.)				AVG. MILES PER VEHICLE (1,000)			MOTOR VEHICLE SPEED ON RURAL INTERSTATE				
	Total	Cars ¹	Buses	Trucks	Passenger vehicles		Trucks	Citations recorded ² (1,000)	Avg. speed (miles per hour)	Percent of vehicles exceeding—		
					Cars ¹	Buses				55 mph	60 mph	65 mph
1970	1,110	917	4.5	186	10.3	12.0	9.9	200	63.8	87	69	44
1980	1,527	1,111	6.1	399	9.1	11.5	11.9	667	57.5	66	25	7
1985	1,774	1,261	4.9	500	9.6	8.2	12.7	8,449	59.5	75	44	17
1986	1,835	1,301	5.1	519	9.6	8.5	13.0	8,549	59.7	76	46	18
1987	1,921	1,355	5.3	551	9.9	8.8	13.4	7,992	59.7	74	46	19
1988	2,026	1,430	5.5	581	10.1	8.9	13.7	7,566	59.5	74	46	19
1989	2,096	1,478	5.7	603	10.3	9.0	13.8	7,488	60.1	77	49	22
1990	2,144	1,513	5.7	616	10.5	9.1	13.8	7,511	60.4	78	50	23
1991	2,172	1,543	5.7	624	10.8	9.1	13.9	7,594	59.9	76	48	21
1992	2,247	1,601	5.8	631	11.1	8.9	13.9	7,004	61.2	81	56	28
1993	2,297	1,547	6.1	160	11.8	9.4	26.1	6,433	60.8	78	51	24
1994	2,360	1,586	6.4	170	11.8	9.6	27.0	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Includes motorcycles. ² Citations issued for 55 mph violations.

Source: U.S. Federal Highway Administration, *Highway Statistics Summary, annual*.

No. 1023. Passenger Transit Industry—Summary: 1985 to 1994

[Includes Puerto Rico. Includes aggregate information for all transit systems in the United States. Excludes nontransit services such as taxicab, school bus, unregulated jitney, sightseeing bus, intercity bus, and special application mass transportation systems (e.g., amusement parks, airports, island, and urban park ferries) Includes active vehicles only]

ITEM	Unit	1985	1989	1990	1991	1992	1993	1994, prel.
Operating systems	Number . . .	4,972	5,046	5,078	5,084	5,086	5,088	5,973
Motor bus systems	Number . . .	2,631	2,665	2,688	2,689	2,693	1,934	2,250
Passenger vehicles owned ¹	Number . . .	94,368	92,293	92,961	96,399	102,251	107,316	118,589
Motor bus	Number . . .	64,258	58,919	58,714	60,377	63,080	64,850	67,492
Trolley bus	Number . . .	676	725	832	752	907	851	877
Heavy rail	Number . . .	9,326	10,506	10,419	10,331	10,245	10,261	10,138
Light rail	Number . . .	717	755	913	1,095	1,058	1,025	1,054
Commuter rail	Number . . .	4,035	4,472	4,415	4,370	4,413	4,494	4,517
Demand response	Number . . .	14,490	15,856	16,471	17,879	20,695	23,527	31,872
Operating funding, total	Mil. dol . . .	12,195	14,985	16,053	16,533	16,915	17,276	18,134
Passenger funding	Mil. dol . . .	4,575	5,420	5,891	6,037	6,152	6,351	6,841
Other operating funding ²	Mil. dol . . .	702	837	895	767	646	764	802
Operating assistance	Mil. dol . . .	6,918	8,728	9,267	9,729	10,117	10,161	10,491
Federal	Mil. dol . . .	940	937	970	956	969	966	929
Local	Mil. dol . . .	3,979	4,995	5,327	5,573	5,268	5,491	5,683
State	Mil. dol . . .	(³)	2,796	2,970	3,200	3,898	3,704	3,879
Total expense	Mil. dol . . .	14,077	17,169	17,979	19,332	20,034	20,679	22,695
Operating expense	Mil. dol . . .	12,381	14,972	15,742	16,541	16,781	17,350	18,782
Vehicle operations	Mil. dol . . .	5,655	6,275	6,654	6,727	7,660	7,941	9,654
Maintenance	Mil. dol . . .	3,672	4,493	4,631	4,597	4,831	4,894	5,270
General administration	Mil. dol . . .	2,505	3,251	3,450	3,585	2,674	2,715	2,919
Purchased transportation	Mil. dol . . .	549	953	1,008	1,633	1,616	1,800	1,939
Reconciling expense	Mil. dol . . .	1,696	2,196	2,237	2,791	3,253	3,329	3,913
Capital expenditure, Federal	Mil. dol . . .	2,510	2,590	2,380	2,396	2,613	3,465	3,577
Vehicle-miles operated ¹	Mil. dol . . .	2,791	3,203	3,242	3,306	3,355	3,435	3,556
Motor bus	Million . . .	1,863	2,109	2,130	2,167	2,178	2,210	2,163
Trolley bus	Million . . .	16	15	14	14	14	14	14
Heavy rail	Million . . .	451	532	537	527	525	522	532
Light rail	Million . . .	17	21	24	28	29	28	34
Commuter rail	Million . . .	183	210	213	215	219	224	231
Demand response	Million . . .	247	300	306	335	364	406	553
Passengers carried ¹	Million . . .	8,636	8,931	8,799	8,575	8,501	8,217	8,435
Motor bus	Million . . .	5,675	5,620	5,677	5,624	5,517	5,381	5,402
Trolley bus	Million . . .	142	130	126	125	126	121	118
Heavy rail	Million . . .	2,290	2,542	2,346	2,172	2,207	2,046	2,206
Light rail	Million . . .	132	162	175	184	188	188	203
Commuter rail	Million . . .	275	330	328	318	314	322	338
Demand response	Million . . .	59	70	68	71	72	81	87
Avg. funding per passenger	Cents	53.0	60.7	66.9	70.4	72.4	77.3	81.1
Employees, number (avg.) ⁴	1,000	270	272	273	276	279	299	312
Payroll, employee	Mil. dol . . .	5,843	6,898	7,226	7,395	7,671	7,932	8,648
Fringe benefits, employee	Mil. dol . . .	2,868	3,737	3,986	3,998	4,319	4,400	4,769

¹ Includes other not shown separately. ² Includes other operating revenue, nonoperating revenue, and auxiliary income.

³ For 1985, State and local combined. ⁴ Thru 1992, represents employee equivalents of 2,080 hours = one employee; beginning 1993, equals actual employees.

Source: American Public Transit Association, Washington, DC, *Transit Fact Book, annual*.

No. 1024. Transportation Industry Summary: 1992

[Includes only establishments with payroll]

KIND OF BUSINESS	SIC code	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll	Paid employees for pay period including March 12 (number)
Total transportation, except U.S. Post Office		(NA)	327,623	92,211	(NA)	3,356,872
Railroad transportation ¹	40	(NA)	28,349	8,753	(NA)	197,421
Passenger transportation	41	17,805	12,649	5,191	1,246	354,913
Local and suburban passenger transportation	411	8,275	5,968	2,624	613	153,278
Local and suburban transit	4111	1,135	1,364	838	199	37,653
Other local passenger transportation	4119	7,140	4,604	1,786	414	115,625
Sightseeing bus	4119 pt	277	342	104	22	5,565
Limousine service	4119 pt	2,430	964	278	64	20,739
Ambulance or rescue service, except by air	4119 pt	3,070	2,507	1,104	256	66,885
Other local passenger transportation, n.e.c.	4119 pt	1,363	791	300	72	22,436
Taxicabs	412	3,337	992	306	75	26,338
Other bus transportation and terminal service.	413, 4, 5, 7	6,193	5,689	2,261	558	175,297
Intercity and rural bus service	413	607	1,092	483	116	20,404
Charter bus service	414	1,307	1,269	394	86	24,604
Local charter bus	4141	429	375	125	29	7,699
Charter bus, except local	4142	878	894	269	58	16,905
School buses	415	4,260	3,315	1,380	355	130,093
Bus terminal and service facilities	417	19	12	4	1	196
Motor freight transportation and warehousing	42	110,908	143,794	39,896	9,196	1,580,095
Trucking and courier services, except air.	421	101,169	135,437	37,760	8,691	1,484,655
Local trucking without storage	4212	49,870	33,554	8,043	1,799	354,742
Household goods moving	4212 pt	2,566	661	196	43	13,237
General freight.	4212 pt	12,186	8,404	2,250	522	97,594
Garbage and trash collection	4212 pt	7,405	10,985	2,473	577	94,054
Dump trucking	4212 pt	13,383	6,807	1,418	277	66,956
Other local trucking without storage.	4212 pt	14,330	6,698	1,707	380	82,901
Hazardous materials	4212 pt	1,279	885	238	57	9,270
Agricultural products	4212 pt	6,203	2,188	478	106	26,897
Other local trucking without storage, n.e.c.	4212 pt	6,848	3,625	990	218	46,734
Trucking, except local	4213	40,821	78,358	20,974	4,808	758,435
Household goods moving	4213 pt	3,248	7,433	1,354	302	61,592
General freight trucking	4213 pt	25,014	55,257	15,880	3,650	553,202
Other trucking, except local	4213 pt	12,559	15,688	3,741	856	143,641
Hazardous products	4213 pt	1,666	2,759	720	170	25,617
Agricultural products	4213 pt	4,483	3,304	665	146	30,518
Other trucking, except storage, n.e.c.	4213 pt	6,410	9,605	2,356	540	87,506
Local trucking with storage	4214	4,512	4,191	1,346	303	64,417
Household goods moving	4214 pt	2,641	2,175	703	155	36,483
Other local trucking with storage	4214 pt	1,871	2,016	643	149	27,934
Courier services, except by air	4215	5,966	19,334	7,396	1,780	307,061
Public warehousing and storage	422	9,718	8,330	2,127	504	95,145
Farm products warehousing and storage	4221	584	656	130	31	6,497
Refrigerated warehousing and storage	4222	929	1,745	464	111	18,963
General warehousing and storage	4225	6,753	3,919	983	233	49,091
General goods warehousing	4225 pt	2,251	2,641	832	196	37,814
Self-service or miniwarehousing	4225 pt	4,502	1,279	151	37	11,277
Special warehousing and storage, n.e.c.	4226	1,452	2,009	551	129	20,594
Trucking terminal facilities.	423	21	27	8	2	295
Pipelines, except natural gas	46	844	7,063	821	203	16,779
Refined petroleum pipelines	4613	358	2,010	252	61	5,578
Other pipelines	4612, 9	486	5,053	569	142	11,201
Crude petroleum pipelines	4612	405	4,409	531	132	10,355
Pipelines, n.e.c.	4619	81	644	38	10	846
Transportation services	47	46,593	23,890	7,850	1,854	329,202
Arrangement of passenger transportation	472	31,793	10,573	3,921	931	192,981
Travel agencies.	4724	27,688	6,964	2,836	673	149,140
Other arrangement of passenger transportation.	4725, 9	4,105	3,608	1,086	258	43,841
Tour operators	4725	3,008	1,865	690	155	30,519
Arrangement of passenger transportation, n.e.c.	4729	1,097	1,744	396	102	13,322
Freight shipping services	473	12,553	9,159	3,233	761	106,979
Freight forwarding	4731 pt	5,308	4,156	1,437	335	48,903
Arrangement of freight and cargo, n.e.c.	4731 pt	7,245	5,002	1,796	426	58,076
Other transportation services	474, 8	2,247	4,158	696	162	29,242
Rental of railroad cars	474	125	1,881	85	23	1,926
Miscellaneous services incidental to transportation.	478	2,122	2,277	612	140	27,316
Packing and crating	4783	835	522	155	33	8,123
Fixed facilities, inspection and weighing services	4785	263	221	65	15	2,810
Transportation services, n.e.c.	4789	1,024	1,534	392	91	16,383

NA Not available. ¹ Includes Class I Freight railroads only. Source, Association of American Railroads, Washington DC, Railroad Facts, annual. Source: U.S. Bureau of the Census, *Census of Transportation, Communications and Utilities: 1992*

No. 1025. Class I Intercity Motor Carriers of Passengers: 1980 to 1992

[Carriers subject to ICC regulations. See text, section 21. Minus sign (-) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 69-75]

ITEM	Unit	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Carriers reporting ¹	Number.	48	45	43	43	29	32	21	20	21	21	21
Number of employees, average	1,000	31	25	25	24	20	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Compensation of employees	Mil. dol.	599	570	551	518	443	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Operating revenue	Mil. dol.	1,397	1,276	1,255	1,233	1,117	1,079	1,122	1,205	943	980	938
Passenger revenue ²	Mil. dol.	947	876	861	836	765	751	825	890	738	793	755
Special bus revenue and other	Mil. dol.	215	180	180	184	155	165	155	165	90	187	183
Operating expenses	Mil. dol.	1,318	1,283	1,254	1,168	1,082	1,081	1,059	1,133	1,015	967	874
Net operating revenue	Mil. dol.	79	-7	1	65	35	-2	63	72	-72	13	64
Ordinary income:												
Before income taxes	Mil. dol.	107	16	53	65	50	-11	(NA)	(NA)	(NA)	(NA)	(NA)
After income taxes	Mil. dol.	90	26	43	53	36	-21	(NA)	12	-180	162	21
Passenger vehicles in service ²	1,000	8.6	7.3	7.0	8.4	8.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Vehicle-miles, passenger	Million	781	591	585	567	495	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Revenue passengers carried	Million	134	94	89	88	74	82	55	54	43	42	41
Expense per vehicle-mile	Dollar	1.69	2.17	2.14	2.06	2.18	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Excludes carriers predominantly in local or suburban service and carriers engaged in transportation of both property and passengers. ² Regular route, intercity, and local.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, part 2, annual.

No. 1026. Passenger Transportation Arrangement: 1992 to 1994

[In millions of dollars, except percent. Represents SIC 4722]

SOURCE OF RECEIPTS	1992	1993	1994	OPERATING EXPENSES	1992	1993	1994
	Receipts, total ¹	10,573	11,073	11,795	Expenses, total ¹	9,705	10,136
Air carriers	5,881	6,138	6,375	Payroll, annual	3,924	4,031	4,526
Water carriers	523	528	584	Employer contributions ²	526	558	628
Hotels and motels	744	758	808	Lease and rental payments	873	908	908
Motor coaches	379	388	397	Advertising and promotion	653	713	746
Railroads	110	125	126	Taxes and licenses	135	144	163
Rental cars	187	189	204	Utilities	371	386	388
Package tours	1,989	2,158	2,425	Depreciation	326	339	361
Other	760	789	876	Office Supplies	300	294	325
				Repair Services	124	134	152
				Other	2,473	2,629	2,692

¹ Receipts for firms primarily engaged in arranging passenger transportation. These estimates exclude receipts of transportation companies (airlines, railroads, etc.). ² Includes contributions to Social Security and other supplemental benefits.

Source: U.S. Bureau of the Census, *Service Annual Survey*.

No. 1027. Motor Freight Transportation and Warehousing Services—Revenues, Expenses, and Payroll: 1993 and 1994

[In millions of dollars. Estimates for 1993 reflect a benchmarking to the results of the 1992 Census of Transportation, Communications, and Utilities]

KIND OF BUSINESS	SIC ¹ code	OPERATING REVENUE		OPERATING EXPENSES		ANNUAL PAYROLL	
		1993	1994	1993	1994	1993	1994
		Motor frgt. transport. and warehousing services ²	42	152,694	167,865	142,803	156,227
Trucking and courier services, except by air ³	421	143,601	157,910	135,144	147,911	39,889	43,580
Local trucking without storage	4212	35,953	39,400	33,383	36,444	8,434	9,193
Trucking, except local	4213	82,558	91,971	78,716	87,078	22,277	24,658
Local trucking with storage	4214	4,259	4,282	4,052	4,131	1,351	1,362
Courier services, except by air	4215	20,831	22,257	18,993	20,258	7,827	8,367
Public warehousing and storage ⁴	422	9,056	9,911	7,622	8,271	2,364	2,540
Farm product warehousing and storage	4221	718	717	615	652	144	152
Refrigerated warehousing and storage	4222	1,805	1,970	1,541	1,667	488	522
General warehousing and storage	4225	4,352	4,652	3,597	3,803	1,120	1,170
Special warehousing and storage	4226	2,181	2,516	1,869	2,149	612	696

¹ Standard Industrial Classification. ² Includes terminal and joint terminal maintenance facilities for motor carrier transportation (SIC 4231) not shown separately. ³ Excludes private motor carriers that operate as auxiliary establishments to nontransportation companies and independent owner-operators with no paid employees. ⁴ Includes household goods warehousing.

Source: U.S. Bureau of the Census, *Current Business Reports, 1994 Motor Freight Transportation and Warehousing Survey*.

No. 1028. Bus Profile: 1980 to 1994

ITEM	Unit	1980	1990	1992	1993	1994
FINANCIAL						
Expenditures, school bus	Mil. dol.	3,833	7,605	8,060	8,074	8,316
Operating revenues, intercity buc, Class I	Mil. dol.	1,397	943	938	928	(NA)
Operating expenses, intercity bus, Class I	Mil. dol.	1,318	1,026	874	880	(NA)
INVENTORY						
Operating companies, intercity bus, Class I	Number	61	31	31	30	(NA)
Vehicles:						
Commercial & Federal bus	Number	110,576	118,726	118,894	119,560	122,705
School & other bus	Number	418,225	508,261	525,838	534,872	547,718
PERFORMANCE						
Vehicle-miles, all buses:						
Rural & urban highway	Millions	6,059	5,719	5,759	6,126	6,416
School bus	Millions	3,000	3,800	4,400	4,300	4,400
Revenue:—						
Passenger miles, intercity bus	Millions	27,400	23,000	22,600	24,600	25,300
Passengers, intercity bus	1,000	370,000	334,000	339,000	339,900	343,200
Avg. miles traveled per vehicle, all buses	Miles	11,458	9,121	8,932	9,361	9,570
Avg. annual fuel consumption, all buses	Gallon	1,926	1,428	1,360	1,447	1,454
Avg. miles per gallon, all buses	Mpg	6.0	6.4	6.6	6.5	6.6
Average revenue per passenger mile	Cents	7.3	11.6	11.8	12.0	11.6
SAFETY						
Fatalities:						
School bus related	Number	150	115	124	141	105
School bus occupants	Number	9	11	10	13	3
Other vehicle occupants	Number	88	64	83	86	64
Non-occupants	Number	53	40	31	42	38
Fatalities in vehicular accidents, all buses	Number	390	340	300	286	282
Occupant fatality rate:						
Per 100 million vehicle-miles, all buses	Rate	0.8	0.6	0.5	0.3	(NA)
Per 10,000 registered vehicles, all buses	Rate	0.9	0.5	0.4	0.3	(NA)

NA Not available.

Source: U.S. Bureau of Transportation Statistics, *National Transportation Statistics, 1996.*

No. 1029. Truck Profile: 1980 to 1994

ITEM	Unit	1980	1990	1992	1993	1994
FINANCIAL						
Revenues:						
Local	Mil. dol.	60,545	108,350	116,000	122,050	125,712
Intercity	Mil. dol.	94,551	162,300	176,800	189,700	204,876
Class I intercity motor carriers of property:						
Operating revenue, total	Mil. dol.	1,290	46,710	51,072	55,303	(NA)
Operating expenses, total	Mil. dol.	29,012	44,827	48,259	52,695	(NA)
INVENTORY						
Truck registrations, total	1,000	33,637	44,479	45,504	61,828	63,445
PERFORMANCE						
Vehicle miles, total						
	Millions	399,426	615,902	630,996	733,302	757,699
Average miles traveled per vehicle:						
All trucks, total	Avg. miles	11,864	13,773	13,867	11,860	11,943
Ton-miles, intercity	Millions	555,000	735,000	815,000	861,000	908,000
Average fuel consumption per vehicle	Gallons	1,243	1,290	1,275	1,010	1,026
Highway-user taxes, total	Mil. dol.	9,888	19,356	19,759	(NA)	(NA)
SAFETY						
Occupant fatalities	Number	8,748	9,306	8,681	9,116	9,539
Vehicle involvement, total (per 100 million vehicle-miles)	Rate	4.5	2.9	2.3	2.4	(NA)

NA Not available.

Source: U.S. Bureau of Transportation Statistics, *National Transportation Statistics, 1996.*

No. 1030. Trucking and Courier Services—Operating Revenue, Operating Expenses, and Equipment, by Type of Carrier: 1992 to 1994

[In millions of dollars, except as indicated. Data cover SIC group 421. Excludes private motor carriers that operate as auxiliary establishments to nontransportation companies and independent owner-operators with no paid employees. Estimates for years 1992 and 1993 reflect a benchmarking to the results of the 1992 Census of Transportation, Communications, and Utilities]

ITEM	ALL CARRIERS			SPECIALTY CARRIERS			GENERAL CARRIERS		
	1992	1993	1994	1992	1993	1994	1992	1993	1994
Operating revenues:									
Total ¹	135,437	143,601	157,910	36,729	38,335	41,205	98,708	105,266	116,705
Motor carrier	127,049	135,383	149,160	32,690	34,279	37,015	94,359	101,104	112,145
Local trucking	31,120	34,086	38,157	16,366	17,442	19,231	14,754	16,644	18,926
Long-distance trucking	95,929	101,297	111,003	16,324	16,837	17,784	79,605	84,460	93,219
Operating expenses:									
Total	127,687	135,144	147,911	34,101	35,902	38,403	93,586	99,242	109,508
Annual payroll	37,761	39,889	43,580	8,362	8,735	9,349	29,399	31,154	34,231
Employer contrib. to Soc. Sec. and other benefits	10,125	10,745	11,502	1,973	2,042	2,283	8,152	8,703	9,219
Purchased fuels	11,345	12,119	13,287	2,111	2,314	2,498	9,234	9,805	10,789
Purchased transportation	24,760	26,678	29,329	6,805	7,586	7,906	17,955	19,092	21,423
Lease and rental	2,521	2,545	2,732	711	719	765	1,810	1,826	1,967
Insurance	4,801	5,097	5,489	1,383	1,473	1,577	5,418	5,648	6,312
Maintenance and repair	7,985	8,542	9,442	2,298	2,367	2,645	3,687	6,175	6,797
Depreciation	6,998	7,450	8,218	1,886	1,950	2,016	5,112	5,500	6,202
Taxes and licenses	3,212	3,351	3,676	667	688	746	2,545	2,663	2,930
Drug and alcohol testing and rehabilitation programs	53	64	82	15	18	23	38	46	59
Other operating expenses	18,126	18,664	20,574	7,890	8,010	8,595	10,236	10,654	11,979
Equipment (1,000 units): ²									
Trucks	246	260	287	112	131	147	134	129	140
Truck-tractors	575	622	681	110	129	133	465	493	548
Trailers (full and semi)	1,276	1,337	1,456	202	200	212	1,074	1,137	1,244

¹ Includes other revenue not shown separately. ² Represents revenue generating equipment as of December 31, 1994. Includes owned and leased equipment.

Source: U.S. Bureau of the Census, *Current Business Reports, 1994 Motor Freight Transportation and Warehousing Survey*.

No. 1031. Class I Intercity Motor Carriers of Property, by Carrier: 1975 to 1992

[See headnote, table 1025. Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign (-) indicates loss]

ITEM	Unit	1975	1980	1985	1987	1988	1989	1990	1991	1992
Common carriers, gen. freight reporting	Number	368	298	237	200	209	192	191	201	208
Number of employees, average	1,000	379	413	376	405	430	461	465	474	490
Compensation of employees	Mil. dol.	5,726	9,803	10,217	11,208	12,074	12,854	13,556	14,032	14,960
Operating revenues	Mil. dol.	11,116	19,725	22,314	23,087	25,234	27,405	29,682	31,619	34,594
Operating expenses	Mil. dol.	10,571	18,870	21,037	22,326	24,000	26,242	28,340	30,269	32,977
Ordinary income before taxes	Mil. dol.	432	701	1,198	647	1,135	988	1,146	1,180	1,453
Net income	Mil. dol.	225	-72	658	406	804	659	746	715	878
Intercity vehicle-miles	Million.	6,246	6,547	5,760	5,524	5,913	6,557	6,804	7,619	8,674
Intercity revenue freight carried	Mil. ton	191	178	136	129	124	145	157	169	196
Common carriers, other reporting ¹	Number	330	441	397	339	360	337	322	295	330
Number of employees, average	1,000	94	101	76	83	82	84	87	74	88
Compensation of employees	Mil. dol.	1,046	1,931	1,783	1,961	2,010	2,105	2,236	1,920	2,358
Operating revenues	Mil. dol.	3,907	8,792	7,962	8,047	8,344	8,321	9,042	7,761	9,367
Operating expenses	Mil. dol.	3,758	8,426	7,752	7,835	8,018	8,081	8,702	7,509	8,942
Ordinary income before taxes	Mil. dol.	109	230	123	129	248	117	198	122	309
Net income	Mil. dol.	65	14	94	97	194	88	153	85	221
Intercity vehicle-miles	Million.	4,776	6,889	5,714	5,761	6,263	6,320	6,566	5,372	6,696
Intercity revenue freight carried	Mil. ton	264	324	303	295	299	278	302	253	298
Contract carrier, other reporting ¹	Number	50	69	64	64	74	77	87	83	113
Number of employees, average	1,000	10	14	22	20	30	29	34	34	42
Compensation of employees	Mil. dol.	175	336	630	561	925	893	1,082	989	1,325
Operating revenues	Mil. dol.	453	1,272	1,942	1,922	3,026	2,946	3,486	3,644	4,501
Operating expenses	Mil. dol.	432	1,207	1,807	1,833	2,923	2,888	3,422	3,547	4,333
Ordinary income before taxes	Mil. dol.	17	48	103	59	55	15	3	53	127
Net income	Mil. dol.	9	28	69	38	38	3	-13	20	80
Intercity vehicle-miles	Million.	454	934	1,227	1,304	1,882	1,826	2,044	2,339	2,933
Intercity revenue freight carried	Mil. ton	21	37	41	41	69	80	80	76	110
Carriers of household goods reporting	Number	32	28	40	37	36	36	36	36	32
Number of employees, average	1,000	4	10	11	11	11	12	13	12	12
Compensation of employees	Mil. dol.	70	157	240	247	254	276	296	298	291
Operating revenues	Mil. dol.	866	1,824	2,684	2,931	3,038	3,114	3,152	3,026	3,180
Operating expenses	Mil. dol.	849	1,781	2,635	2,862	2,971	3,059	3,129	2,973	3,159
Ordinary income before taxes	Mil. dol.	32	74	79	74	33	41	12	27	-1
Net income	Mil. dol.	18	42	54	57	25	28	8	17	8
Intercity vehicle-miles	Million.	688	969	1,171	1,234	1,289	1,229	1,366	1,086	1,136
Intercity revenue freight carried	Mil. ton	3	5	7	8	8	7	8	7	9

¹ Other than general freight.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, part 2, annual.

No. 1032. Railroads, Class I—Summary: 1980 to 1994

[As of Dec. 31, or calendar year data, except as noted. Compiled from annual reports of class I railroads only except where noted. Beginning 1985, financial data are not comparable with earlier years due to change in method of accounting for track and related structures. Minus sign (-) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 284-312, Q 319, Q 330, Q 356-378, and Q 400-401]

ITEM	Unit	1980	1985	1988	1989	1990	1991	1992	1993	1994
Class I line-hauling companies ¹	Number.	40	23	17	15	14	14	13	13	13
Employees ²	1,000	458	302	236	228	216	206	197	193	190
Compensation	Mil. dol.	11,318	10,563	9,301	9,043	8,654	8,695	8,753	8,732	8,874
Average per hour	Dollars	10.2	14.3	15.6	15.8	15.8	16.8	17.8	17.9	18.5
Average per year	Dollars	24,695	34,991	39,431	39,742	39,987	42,131	44,336	45,354	46,714
Mileage:										
Railroad line owned ³	1,000	178	162	150	149	146	143	139	137	132
Railroad track owned ⁴	1,000	292	269	251	250	244	241	234	231	222
Equipment:										
Locomotives in service	Number.	28,094	22,548	19,364	19,015	18,835	18,344	18,004	18,161	18,505
Average horsepower	1,000 lb	2,302	2,469	2,579	2,624	2,665	2,714	2,750	2,777	2,832
Cars in service:										
Passenger train	Number.	4,347	2,502	2,332	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Freight train ⁵	1,000	1,711	1,422	1,239	1,224	1,212	1,190	1,173	1,173	1,192
Freight cars ⁶	1,000	1,168	867	725	682	659	633	605	587	591
Income and expenses:										
Operating revenues	Mil. dol.	28,258	27,586	27,934	27,956	28,370	27,845	28,349	28,825	30,809
Operating expenses	Mil. dol.	26,355	25,225	24,811	25,038	24,652	28,061	25,325	24,517	25,511
Net revenue from operations	Mil. dol.	1,902	2,361	3,123	2,918	3,718	-216	3,024	4,308	5,298
Income before fixed charges	Mil. dol.	2,897	3,393	4,460	4,162	4,627	928	4,127	4,990	6,184
Provision for taxes ⁷	Mil. dol.	592	660	1,162	1,040	1,088	-156	1,092	1,810	1,935
Ordinary income	Mil. dol.	1,129	1,788	2,286	2,009	1,961	-91	2,055	2,258	3,315
Net income	Mil. dol.	1,129	1,882	2,382	2,203	1,977	-281	1,800	2,240	3,298
Net railway operating income	Mil. dol.	1,339	1,746	1,980	1,894	2,648	-37	1,955	2,517	3,392
Total taxes ⁸	Mil. dol.	2,585	3,169	3,871	3,742	3,780	2,649	3,732	4,343	4,512
Indus. return on net investment	Percent.	4.2	4.6	6.7	6.3	8.1	1.3	6.3	7.1	9.4
Gross capital expenditures	Mil. dol.	3,238	4,485	3,546	3,865	3,591	3,439	3,680	4,504	5,035
Balance sheet:										
Total property investment	Mil. dol.	43,923	64,241	68,550	67,661	70,348	71,622	72,677	75,217	78,384
Accrued depreciation and amortization	Mil. dol.	10,706	19,756	21,497	21,481	22,222	23,057	23,378	23,892	24,200
Net investment	Mil. dol.	33,419	46,237	47,053	47,370	48,126	48,565	49,299	51,325	54,184
Shareholder's equity	Mil. dol.	19,860	27,605	26,467	25,753	23,662	22,603	23,115	24,658	27,389
Net working capital	Mil. dol.	922	1,084	-190	-2,119	-3,505	-3,988	-4,372	-3,295	-3,059
Cash dividends	Mil. dol.	610	1,444	1,814	1,910	2,074	915	830	1,054	1,398
AMTRAK passenger traffic:										
Passenger revenue	Mil. dol.	(NA)	604.9	784.2	893.0	941.9	962.3	933.2	924.4	(NA)
Revenue passengers carried	1,000	21,303	20,945	21,490	21,394	22,382	21,693	21,678	21,841	(NA)
Revenue passenger miles	Million.	4,645	4,977	5,686	5,912	6,125	6,249	6,181	6,064	(NA)
Averages:										
Revenue per passenger	Dollars	(NA)	28.9	36.5	41.8	42.1	44.4	43.0	42.3	(NA)
Revenue per passenger mile	Cents	(NA)	12.2	13.8	15.1	15.4	15.4	15.1	15.2	(NA)
Trip per passenger	Miles	218.1	237.6	264.6	276.3	273.7	288.0	285.1	277.7	(NA)
Freight service:										
Freight revenue	Mil. dol.	26,200	26,688	27,092	27,059	24,471	26,949	27,508	27,991	29,931
Per ton-mile	Cents	2.8	3.0	2.7	2.7	2.7	2.6	2.6	2.5	2.5
Per ton originated	Dollar	17.7	20.2	19.0	19.3	19.3	19.5	19.7	20.0	20.4
Revenue-tons originated	Million.	1,492	1,320	1,430	1,402	1,425	1,383	1,399	1,397	1,470
Revenue-tons carried	Million.	2,434	1,985	2,045	1,988	2,024	1,987	2,022	2,047	2,185
Tons carried one mile	Billion	919	877	996	1,014	1,034	1,039	1,067	1,109	1,201
Average miles of road operated	1,000	179	161	141	138	133	130	126	124	123
Revenue ton-miles per mile of road	1,000	5,133	5,446	7,052	7,373	7,763	8,001	8,451	8,965	9,735
Revenue per ton-mile	Cents	3	3	3	3	3	3	3	3	2
Train miles	Million.	428	347	379	383	380	375	390	405	441
Net ton-miles per train-mile ⁹	Number.	2,175	2,574	2,662	2,683	2,755	2,796	2,759	2,759	2,746
Net ton-miles per loaded car-mile ⁹	Number.	63.5	62.7	65.5	67.0	69.1	71.6	70.9	71.6	72.2
Train-miles per train-hour	Miles	18.2	21.9	21.5	23.0	23.7	23.7	23.7	23.1	22.4
Haul per ton, U.S. as a system	Miles	616	664	697	723	726	751	763	794	817
Accident: ¹⁰										
All railroads	Number.	63,663	35,340	28,253	28,039	26,440	24,662	22,553	20,400	19,455
Persons killed	Number.	1,417	1,036	1,199	1,324	1,297	1,194	1,170	1,279	1,226
Persons injured	Number.	62,246	34,304	27,054	26,715	25,143	23,468	21,383	19,121	18,229
Class I railroads	Number.	57,755	29,388	22,093	21,809	20,450	18,728	17,055	15,058	12,428
Persons killed	Number.	1,344	955	1,076	1,195	1,166	1,069	1,047	1,124	1,080
Persons injured	Number.	56,411	28,433	21,017	20,614	19,284	17,659	16,008	13,934	11,348

NA Not available. ¹ See text, section 21, for definition of Class I. ² Average midmonth count. ³ Represents the aggregate length of roadway of all line-haul railroads. Excludes yard tracks, sidings, and parallel lines. (Includes estimate for class II and III railroads). ⁴ Includes multiple main tracks, yard tracks, and sidings owned by both line-haul and switching and terminal. (Includes estimate for class II and III railroads). ⁵ Includes cars owned by all railroads, private car companies, and shippers. ⁶ Class I railroads only. ⁷ Includes State income taxes. ⁸ Includes payroll, income, and other taxes. ⁹ Revenue and nonrevenue freight. ¹⁰ Source: Federal Railroad Admin., *Accident Bulletin*, annual. Includes highway grade crossing casualties.

Source: Except as noted, Association of American Railroads, Washington, DC, *Railroad Facts, Statistics of Railroads of Class I, annual, and Analysis of Class I Railroads, annual.*

No. 1033. Railroads, Class I-Cars of Revenue Freight Loaded, 1970 to 1995, and by Commodity Group, 1994 and 1995

[In thousands. Figures are 52-week totals. N.e.c.= Not elsewhere classified]

YEAR	CARLOADS		COMMODITY GROUP	CARLOADS		COMMODITY GROUP	CARLOADS	
	Total	Piggy-back		1994	1995		1994	1995
1970	27,160	1,450	Coal	6,477	6,600	Metals and products	566	571
1975	23,217	1,308	Metallic ores	436	463	Stone, clay, and glass products	491	499
1980	22,598	1,661	Chemicals, allied products	1,547	1,585	Crushed stone, gravel, sand	661	674
1985	19,574	2,863	Grain	1,312	1,496	Nonmetallic minerals, n.e.c.	464	481
1990	16,177	(NA)	Motor vehicles and equipment	1,095	1,099	Waste and scrap materials	503	519
1992	15,798	(NA)	Pulp, paper, allied products	520	543	Lumber, wood products, n.e.c. ¹	296	265
1993	15,911	(NA)	Primary forest products	397	392	Coke	293	287
1994	16,763	(NA)	Food and kindred prod., n.e.c.	482	475	Petroleum product	267	273
1995	17,181	(NA)	Grain mill products	534	541	All other carloads	423	418

NA Not available. ¹ Excludes furniture.

Source: Association of American Railroads, Washington, DC, *Weekly Railroad Traffic*, annual.

No. 1034. Railroads, Class I Line-Haul-Revenue Freight Originated, by Commodity Group: 1980 to 1994

[See *Historical Statistics, Colonial Times to 1970*, series Q 332, for total carloads originated]

COMMODITY GROUP	1980	1985	1988	1989	1990	1991	1992	1993	1994
Carloads (1,000) ¹	22,223	19,501	21,600	21,226	21,401	20,868	21,205	21,683	23,179
Coal	5,789	5,684	5,621	5,672	5,912	5,683	5,572	5,310	5,681
Farm products	1,866	1,494	1,977	1,781	1,689	1,605	1,646	1,636	1,459
Chemicals, allied products	1,322	1,296	1,497	1,486	1,531	1,556	1,568	1,606	1,695
Food and kindred products	1,767	1,224	1,318	1,284	1,307	1,316	1,352	1,380	1,381
Nonmetallic minerals ²	1,474	1,196	1,290	1,254	1,202	1,075	1,029	1,044	1,138
Transportation equipment	1,004	1,202	1,160	1,141	1,091	1,068	1,181	1,355	1,448
Lumber and wood products	1,384	948	910	843	780	716	726	710	771
Pulp, paper, allied products	954	703	646	615	611	616	618	620	651
Petroleum and coal products	596	491	568	561	573	533	583	584	602
Stone, clay, and glass products	776	551	577	565	539	479	483	487	512
Metallic ores	1,258	511	582	523	508	499	489	443	440
Primary metal products	756	449	479	452	477	469	481	528	579
Waste and scrap materials	632	429	471	444	439	433	487	558	604
Machinery, exc. electrical	77	35	40	38	39	39	39	37	40
Fabricated metal products ⁴	72	31	26	27	31	34	32	37	37
Tons (mil.) ¹	1,492	1,320	1,429	1,403	1,425	1,383	1,399	1,397	1,470
Coal	522	538	543	551	579	560	554	534	574
Farm products	156	127	170	154	147	144	149	147	131
Chemicals, allied products	108	106	123	123	126	127	130	134	142
Nonmetallic minerals ²	125	108	115	111	109	99	94	96	106
Food and kindred products	92	74	81	79	81	83	86	88	88
Lumber and wood products ³	86	63	62	57	53	48	50	49	54
Metallic ores	105	47	52	47	47	45	45	41	40
Stone, clay, and glass products	54	44	46	47	44	39	40	40	42
Petroleum and coal products	38	33	39	39	40	37	41	41	43
Primary metal products	53	34	38	36	38	37	39	43	47
Pulp, paper, allied products	42	36	35	34	33	33	34	34	37
Waste and scrap materials	34	26	30	28	28	27	30	35	37
Transportation equipment	24	27	25	24	23	22	25	29	30
Machinery, exc. electrical	2	1	1	1	1	1	1	1	1
Fabricated metal products ⁴	2	1	1	1	1	1	1	1	1
Gross revenue (mil. dol.) ¹	26,938	28,225	29,529	29,328	29,775	29,319	29,777	30,376	32,424
Coal	4,956	6,556	6,430	6,581	6,954	6,903	6,717	6,481	7,021
Chemicals, allied products	2,946	3,342	3,795	3,788	3,933	4,043	4,123	4,277	4,520
Transportation equipment	1,917	3,110	3,218	3,269	3,100	2,633	2,753	3,021	3,257
Farm products	2,801	1,977	2,534	2,444	2,422	2,332	2,454	2,528	2,407
Food and kindred products	2,837	2,256	2,198	2,128	2,188	2,254	2,308	2,336	2,427
Pulp, paper, allied products	1,652	1,641	1,540	1,514	1,486	1,502	1,508	1,511	1,510
Lumber and wood products ³	1,543	1,525	1,626	1,500	1,390	1,282	1,342	1,324	1,421
Primary metal products	1,332	872	1,013	972	979	977	970	1,021	1,114
Stone, clay, and glass products	1,025	960	965	960	931	878	911	944	1,009
Petroleum and coal products	865	861	903	917	918	888	943	929	967
Nonmetallic minerals ²	948	949	890	868	885	824	812	818	862
Waste and scrap materials	513	446	526	492	504	515	558	613	655
Metallic ores	597	403	415	397	408	400	409	385	378
Machinery, exc. electrical	176	72	63	66	67	62	61	59	65
Fabricated metal products ⁴	110	48	38	38	42	48	45	50	50

¹ Includes commodity groups and small packaged freight shipments, not shown separately. ² Except fuels. ³ Except furniture. ⁴ Except ordnance, machinery, and transport.

Source: Association of American Railroads, Washington, DC, *Freight Commodity Statistics*, annual.

No. 1035. Railroad Freight—Producer Price Indexes: 1980 to 1994

[Dec. 1984=100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions]

COMMODITY	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994
Total railroad freight	75.9	99.9	100.1	104.8	106.4	107.5	109.3	109.9	110.9	111.8
Coal	75.8	100.0	100.1	104.3	105.3	104.2	105.2	105.9	106.6	107.5
Farm products	75.6	99.0	99.3	105.5	108.5	110.4	111.4	111.1	113.7	114.5
Food products	75.2	100.0	98.6	103.1	103.9	105.4	108.1	108.7	109.0	111.0
Metallic ores	74.5	100.2	99.0	103.9	105.8	106.5	106.7	106.6	106.7	104.6
Chemicals or allied products	75.6	100.1	100.8	106.9	110.0	111.7	113.5	115.6	116.2	117.6
Nonmetallic minerals	72.2	100.1	101.1	106.1	108.3	111.7	115.9	117.6	119.3	119.7
Wood or lumber products	72.7	100.0	100.4	105.3	105.9	107.5	108.6	108.8	109.7	110.0
Transportation equipment	81.7	100.0	99.3	103.4	106.4	107.5	109.7	110.8	113.1	115.3
Pulp, paper, or allied products	76.7	100.0	100.6	104.0	105.1	108.0	111.5	111.8	112.6	111.1
Primary metal products	77.8	99.7	99.7	108.8	112.3	113.1	116.1	117.5	116.3	115.6
Clay, concrete, glass, or stone products	74.2	100.0	102.2	107.5	110.5	114.1	117.1	116.5	117.9	120.1

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 1036. Petroleum Pipeline Companies—Characteristics: 1980 to 1994

[Covers pipeline companies operating in interstate commerce and subject to jurisdiction of Federal Energy Regulatory Commission]

ITEM	Unit	1980	1985	1988	1989	1990	1991	1992	1993	1994
Miles of pipeline, total	1,000	173	171	171	169	168	172	164	164	159
Gathering lines	1,000	36	35	34	33	32	31	29	29	30
Trunk lines	1,000	136	136	136	135	136	141	136	135	128
Total deliveries	Mil. bbl.	10,600	10,745	11,484	11,281	11,378	11,496	11,447	12,219	12,159
Crude oil	Mil. bbl.	6,405	6,239	6,509	6,435	6,563	6,685	6,541	6,708	6,785
Products	Mil. bbl.	4,195	4,506	4,974	4,847	4,816	4,811	4,906	5,511	5,373
Total trunk line traffic	Bil. bbl.-miles	3,405	3,342	3,619	3,505	3,500	3,470	3,428	3,051	3,560
Crude oil	Bil. bbl.-miles	1,948	1,842	1,970	1,918	1,891	1,899	1,853	1,382	1,845
Products	Bil. bbl.-miles	1,458	1,500	1,649	1,587	1,609	1,571	1,575	1,669	1,715
Carrier property value	Mil. dol.	19,752	21,605	24,332	24,638	25,828	26,943	27,106	31,625	26,363
Operating revenues	Mil. dol.	6,356	7,461	6,861	6,512	7,149	6,798	7,154	6,931	7,281
Net income	Mil. dol.	1,912	2,431	2,505	2,227	2,340	1,788	2,061	1,763	2,148

Source: PennWell Publishing Co., Tulsa, OK, *Oil & Gas Journal*, annual (copyright).

No. 1037. Major Interstate Natural Gas Pipeline Companies—Summary: 1985 to 1991

[The classification of A and B interstate natural gas pipeline companies changed to major companies and nonmajor companies. Major natural gas pipeline companies are those whose combined sales for resale and natural gas transported or stored for a fee exceed 50 billion cubic feet. They account for more than 85 percent of all interstate natural gas]

ITEM	Unit	1985	1986	1987	1988	1989	1990	1991
Sales	Tril. cu. ft.	11.3	7.8	6.5	6.4	5.6	4.5	3.9
Residential	Tril. cu. ft.	0.3	0.2	0.2	0.3	0.1	0.2	0.2
Commercial, industrial	Tril. cu. ft.	1.1	0.5	0.4	0.5	0.5	0.4	0.3
For resale	Tril. cu. ft.	9.9	7.1	5.8	5.6	4.9	3.9	3.3
Operating revenues	Mil. dol.	49,106	33,859	27,565	27,501	25,695	22,574	21,420
From sales ¹	Mil. dol.	44,996	29,508	22,942	22,512	19,786	15,981	14,135
From transportation of gas of others	Mil. dol.	2,272	3,027	3,622	4,059	4,959	5,505	6,117
Other	Mil. dol.	1,838	1,325	1,002	929	950	1,088	1,167
Operation, maintenance expenses	Mil. dol.	42,528	27,460	21,794	22,742	20,829	17,446	17,335
Production	Mil. dol.	36,739	22,208	16,955	17,625	15,257	12,124	11,663
Storage	Mil. dol.	418	420	409	436	458	417	460
Transmission	Mil. dol.	3,409	2,984	2,598	2,589	2,589	2,720	2,880
Distribution	Mil. dol.	132	80	80	127	94	112	133
Administrative, general, and other	Mil. dol.	1,830	1,768	1,752	1,966	2,430	2,074	2,048
Pipeline mileage	1,000	230.2	217.3	249.5	246.9	253.2	230.2	249.5
Transmission lines	1,000	189.7	184.6	181.2	191.6	194.1	195.5	146.8
Field lines	1,000	69.6	64.5	62.9	55.5	55.1	54.0	50.7
Storage	1,000	4.8	4.6	4.3	4.8	4.8	5.0	4.7

¹ Includes other ultimate customers not shown separately.Source: U.S. Energy Information Administration, *Statistics of Interstate Natural Gas Pipeline Companies*, annual.