

## 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 \$757.9 billion in 1995

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.

## No. 989. Passenger and Freight Transportation Outlays, by Type of Transport: 1980 to 1995

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

TYPE OF TRANSPORT	1980	1985	1990	1991	1992	1993	1994	1995
<b>Total outlays</b> <sup>1</sup> . . . . .	<b>331,801</b>	<b>486,442</b>	<b>623,194</b>	<b>601,774</b>	<b>644,580</b>	<b>683,697</b>	<b>734,480</b>	<b>757,900</b>
Passenger, total:								
Private transportation . . . . .	278,404	412,490	521,073	498,157	538,223	575,942	624,095	641,017
Automobiles <sup>2</sup> . . . . .	270,351	404,590	510,801	488,260	529,309	568,467	613,676	629,796
New and used cars . . . . .	73,266	139,300	165,500	153,300	152,900	165,000	184,400	179,500
Tires, tubes, accessories . . . . .	22,234	29,647	25,444	25,630	32,780	34,760	37,840	40,260
Gasoline and oil . . . . .	99,724	106,588	120,444	113,190	116,050	118,910	120,890	126,060
Insurance less claims . . . . .	11,465	11,647	20,111	24,970	28,050	29,480	30,030	30,800
Interest on debt . . . . .	11,200	11,200	28,310	25,960	25,740	28,060	31,720	35,330
Auto registratin fees . . . . .	2,892	2,892	6,054	6,328	7,138	7,369	7,423	7,043
Registration and operator's . . . . .	370	547	638	702	781	738	823	823
Repair, greasing, washing, . . . . .								
parking, tolls <sup>3</sup> . . . . .	37,999	58,118	91,778	89,980	103,840	112,200	124,300	133,320
Air . . . . .	8,053	7,900	10,272	9,897	8,914	9,475	10,419	11,221
For-hire transportation . . . . .	53,397	73,952	102,121	103,617	106,357	107,755	110,385	116,883
Local <sup>4</sup> . . . . .	19,784	27,317	34,169	35,391	36,041	37,401	38,868	40,808
Bus and transit <sup>5</sup> . . . . .	9,297	13,548	16,651	17,278	17,932	18,722	20,137	20,559
School bus . . . . .	3,833	5,900	7,605	7,879	8,060	7,618	7,847	9,082
Taxi . . . . .	5,195	5,636	7,111	7,556	7,333	7,556	7,778	7,778
Railroad commutation . . . . .	1,459	2,233	2,802	2,678	2,716	3,505	3,107	2,909
Intercity . . . . .	28,346	39,527	53,033	52,613	53,063	52,798	53,798	57,685
Air . . . . .	25,098	35,860	49,506	48,938	49,242	49,297	50,514	53,916
Rail <sup>6</sup> . . . . .	1,517	1,642	1,719	1,736	1,855	1,773	1,810	2,194
Bus . . . . .	1,709	1,989	1,750	1,875	1,899	1,667	1,410	1,497
International . . . . .	5,267	7,108	14,919	15,613	17,253	17,556	17,719	18,390
Freight, total <sup>4</sup> . . . . .	213,736	273,613	350,831	355,215	375,093	396,306	419,904	441,636
Highway . . . . .	155,331	205,645	270,776	274,381	292,930	311,878	330,716	348,109
Truck, intercity . . . . .	94,551	123,200	162,300	164,600	176,800	189,700	204,876	219,627
Truck, local . . . . .	60,545	82,200	108,350	109,650	116,000	122,050	125,712	128,352
Rail . . . . .	27,858	30,067	30,067	30,003	30,473	30,775	33,121	34,360
Water . . . . .	15,498	18,449	20,121	20,306	19,895	20,768	21,150	22,738
Oil pipeline . . . . .	7,548	8,910	8,387	8,101	8,521	8,421	8,273	8,288
Air carrier . . . . .	4,013	6,817	13,706	14,353	14,950	15,805	17,239	18,869

Transportation Outlays

<sup>1</sup> 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.  
<sup>2</sup> Includes business-owned vehicles. <sup>3</sup> Includes storage and rental. <sup>4</sup> Includes items not shown separately. <sup>5</sup> Includes Federal, State, and local government operating subsidies and capital grants.  
<sup>6</sup> Includes Federal operating subsidies and capital grants for Amtrak.

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

## No. 990. 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 . . .	(X)	(NA)	327,623	92,211	(NA)	3,356,872
Railroad transportation <sup>1</sup> . . .	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/rescue service, except by air . . .	4119 pt	3,070	2,507	1,104	256	66,885
Other local passenger transport., n.e.c. . .	4119 pt	1,363	791	300	72	22,436
Taxis . . .	412	3,337	992	306	75	26,338
Other bus transport, 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	15,668	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
Misc. 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, inspect./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. <sup>1</sup> Includes Class I Freight railroads only. Source, Association of American Railroads, Washington D.C., *Railroad Facts*, annual.

Source: U.S. Bureau of the Census, *Census of Transportation, Communications and utilities: 1992*.

**No. 991. Employment and Earnings in Transportation, by Industry: 1980 to 1996**

[Annual averages of monthly figures. Based on Current Employment Statistics program; see Appendix III]

INDUSTRY	SIC <sup>1</sup> code	1980	1985	1990	1991	1992	1993	1994	1995	1996
NUMBER (1,000)										
<b>Total transportation</b> . . . . .	(X)	<b>2,960</b>	<b>2,997</b>	<b>3,527</b>	<b>3,502</b>	<b>3,498</b>	<b>3,615</b>	<b>3,769</b>	<b>3,918</b>	<b>4,034</b>
Railroads . . . . .	40	532	359	279	262	254	248	241	239	232
Class I railroads . . . . .	4011	482	323	241	231	222	218	214	212	206
Local and interurban passengers . . . . .	41	265	277	338	354	361	379	404	423	451
Trucking and warehousing . . . . .	42	1,280	1,361	1,625	1,606	1,611	1,698	1,794	1,867	1,878
Water transportation . . . . .	44	211	185	177	184	173	168	172	174	172
Air transportation . . . . .	45	453	522	745	733	730	740	753	788	847
Pipelines, exc. natural gas . . . . .	46	21	19	19	19	19	18	17	15	14
Transportation services . . . . .	47	198	275	345	344	348	363	389	413	440
AVERAGE WEEKLY EARNINGS (dol.)										
Class I railroads . . . . .	4011	427	595	727	707	736	782	786	811	850
Local and interurban passengers . . . . .	41	217	261	310	323	334	342	354	356	366
Trucking and warehousing . . . . .	42	358	405	451	455	468	480	495	501	511
Pipelines, exc. natural gas . . . . .	46	441	629	711	733	772	817	872	888	909

X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification, see text, section 13.

Source: U.S. Bureau of Labor Statistics, Bulletin 2445 and 2481, Employment and Earnings, March and June issues.

**No. 992. Volume of Domestic Intercity Freight and Passenger Traffic, by Type of Transport: 1980 to 1995**

[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 1 passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue]

TYPE OF TRANSPORT	TRAFFIC VOLUME						PERCENT DISTRIBUTION					
	1970	1980	1985	1990	1992	1993	1970	1980	1985	1990	1992	1993
<b>Freight traffic, total</b> . . . . .	<b>2,487</b>	<b>2,458</b>	<b>2,895</b>	<b>3,105</b>	<b>3,261</b>	<b>3,405</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Railroads . . . . .	932	895	1,091	1,183	1,275	1,375	37.5	38.0	35.6	37.3	37.7	37.9
Truck: . . . . .												
ICC truck . . . . .	242	250	311	365	391	401	9.7	9.9	10.4	10.8	10.7	11.0
Non-ICC truck . . . . .	313	360	424	496	517	520	12.6	11.8	14.9	14.7	14.6	15.1
Water: . . . . .												
Rivers/canals . . . . .	311	306	390	373	388	406	12.5	12.8	13.0	12.9	13.5	13.3
Great Lakes . . . . .	96	76	85	83	87	91	3.9	4.0	2.7	3.1	2.9	2.5
Oil pipelines . . . . .	588	564	584	593	591	599	23.6	23.2	23.1	20.8	20.2	19.9
Domestic airways <sup>1</sup> . . . . .	5	7	10	12	12	13	0.2	0.2	0.3	0.4	0.4	0.3
<b>Passenger traffic, total</b> . . . . .	<b>1,468</b>	<b>1,636</b>	<b>2,034</b>	<b>2,197</b>	<b>2,280</b>	<b>2,354</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Private automobiles <sup>2</sup> . . . . .	1,210	1,310	1,639	1,786	1,842	1,898	82.5	82.7	79.4	80.1	80.6	81.3
Domestic airways <sup>2</sup> . . . . .	15	12	13	11	11	11	1.0	14.7	0.0	0.0	0.6	0.6
Air, public carrier <sup>3</sup> . . . . .	204	278	346	362	388	403	13.9	0.0	0.0	0.0	17.0	16.3
Bus <sup>3</sup> . . . . .	27	24	23	25	25	28	1.9	1.8	1.4	1.2	1.1	1.1
Railroads <sup>4</sup> . . . . .	11	11	13	13	14	14	0.7	0.7	0.7	0.7	0.6	0.7

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

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

## No. 993. Commodity Flow Survey (CFS) Shipment Characteristics: 1993

MODE OF TRANSPORTATION	VALUE		TONS		TON-MILES		Avg. miles per shipment <sup>1</sup>
	Number (mil. dol.)	Percent	Number (1,000)	Percent	Number (mil.)	Percent	
All commodities . . . . .	5,846,334	100.0	9,688,493	100.0	2,420,915	100.0	424
Farm products . . . . .	142,442	2.4	636,630	6.6	276,260	11.4	220
Forest products . . . . .	1,700	0.0	30,520	0.3	3,635	0.2	222
Fresh fish or other marine products . . . . .	11,062	0.2	2,995	0.0	1,746	0.1	159
Metallic ores . . . . .	20,278	0.3	149,562	1.5	36,895	1.5	358
Coal . . . . .	23,449	0.4	1,129,945	11.7	487,791	20.1	86
Crude petroleum, natural gas, or gasoline . . . . .	(S)	0.0	(S)	0.0	(S)	0.0	(S)
Nonmetallic minerals . . . . .	20,695	0.4	1,786,381	18.4	155,417	6.4	112
Ordinance or accessories . . . . .	17,174	0.3	663	0.0	629	0.0	919
Food or kindred products . . . . .	856,884	14.7	859,764	8.9	270,984	11.2	102
Tobacco products, excluding insecticides . . . . .	60,640	1.0	3,225	0.0	931	0.0	146
Textile mill products . . . . .	102,189	1.7	24,757	0.3	11,341	0.5	711
Apparel or other finished textile products . . . . .	291,203	5.0	15,128	0.2	9,967	0.4	925
Lumber or wood products, excl. furniture . . . . .	126,662	2.2	663,351	6.8	120,669	5.0	227
Furniture or fixtures . . . . .	69,471	1.2	16,568	0.2	9,789	0.4	547
Pulp, paper, or allied products . . . . .	195,002	3.3	217,233	2.2	100,721	4.2	186
Printed matter . . . . .	(S)	0.0	(S)	0.0	(S)	0.0	(S)
Chemicals or allied products . . . . .	532,907	9.1	545,405	5.6	236,856	9.8	349
Petroleum or coal products . . . . .	359,471	6.1	1,885,833	19.5	287,081	11.9	101
Rubber or miscellaneous plastics products . . . . .	175,267	3.0	52,349	0.5	25,528	1.1	466
Leather or leather products . . . . .	50,645	0.9	2,401	0.0	2,182	0.1	941
Clay, concrete, glass, or stone products . . . . .	91,365	1.6	799,481	8.3	84,032	3.5	349
Primary metal products . . . . .	228,610	3.9	266,409	2.7	97,266	4.0	275
Fabricated metal products . . . . .	237,316	4.1	84,895	0.9	30,489	1.3	395
Machinery, excluding electrical . . . . .	442,770	7.6	34,180	0.4	19,112	0.8	519
Electrical machinery, equip., or supplies . . . . .	411,030	7.0	30,156	0.3	19,591	0.8	660
Transportation equipment . . . . .	652,474	11.2	87,617	0.9	49,098	2.0	339
Instruments, photographic goods, optical goods, watches, or clocks . . . . .	198,492	3.4	8,600	0.1	5,390	0.2	656
Miscellaneous products of manufacturing . . . . .	200,803	3.4	20,731	0.2	10,992	0.5	864
Waste or scrap materials . . . . .	18,258	0.3	130,894	1.4	27,591	1.1	160
Containers, carriers or devices, shipping, returned empty . . . . .	1,144	0.0	702	0.0	230	0.0	229
Waste hazardous materials, etc. . . . .	558	0.0	813	0.0	314	0.0	190
Commodity unknown . . . . .	21,941	0.4	7,804	0.1	2,522	0.1	477

S Data do not meet publication standards due to high sampling variability or other reasons. Z Insignificant. <sup>1</sup>Excludes shipments of STCC 27, printed matter. <sup>2</sup>Excludes 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. 994. Transportation Accidents, Deaths, and Injuries: 1990 to 1995

[For related data, see also table 1023]

YEAR AND CASUALTY	TYPE OF TRANSPORT											Hazardous materials <sup>11</sup>	
	Motor vehicle <sup>1</sup> (1,000)	Railroad <sup>2</sup>	Air carriers				General aviation	Recreational boating <sup>6</sup>	Gas pipe-lines <sup>7</sup>	Liquid pipe-lines <sup>8</sup>	Waterborne <sup>9</sup>		Rail Transit <sup>10</sup>
			Total	Air-lines <sup>3</sup>	Commuter air carriers <sup>4</sup>	On demand air carriers <sup>5</sup>							
Accidents: . . . . .													
1990 . . . . .	6,471	2,879	146	24	16	106	2,215	6,411	198	180	3,613	12,178	8,882
1993 . . . . .	6,105	2,611	108	23	16	69	2,039	6,335	217	230	3,425	15,082	12,833
1994 . . . . .	6,492	2,504	118	23	10	85	1,990	6,906	221	244	3,972	15,869	16,087
1995 . . . . .	6,613	2,459	123	35	12	76	2,066	8,686	161	188	4,196	14,316	14,752
Deaths: . . . . .													
1990 . . . . .	44.6	599	95	39	7	50	766	865	6	3	85	117	8
1993 . . . . .	40.2	653	67	1	24	42	736	800	17	-	110	83	15
1994 . . . . .	40.7	611	327	239	25	63	723	784	21	1	69	85	11
1995 . . . . .	41.8	567	229	168	9	52	732	836	18	3	46	79	6
Injuries: . . . . .													
1990 . . . . .	3,231	22,736	86	39	11	36	391	3,822	69	7	175	10,036	443
1993 . . . . .	3,125	17,284	42	16	2	24	386	3,559	102	10	160	10,532	626
1994 . . . . .	3,215	14,850	73	35	6	32	452	4,084	110	1,858	179	11,673	577
1995 . . . . .	3,386	12,546	64	25	25	14	398	4,965	53	11	145	11,238	401

- Represents or rounds to zero. <sup>1</sup>Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition. Includes only police reported crashes. <sup>2</sup>Accidents 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. <sup>3</sup>Includes scheduled and nonscheduled (charter) air carriers. Represents serious injuries. <sup>4</sup>All scheduled service. Represents serious injuries. <sup>5</sup>All nonscheduled service. Represents serious injuries. <sup>6</sup>Accidents resulting in death; injury or requiring medical treatment beyond first aid; damages exceeding \$200; or a person's disappearance. <sup>7</sup>Beginning 1985, pipeline accidents/incidents are credited to year of occurrence; prior data are credited to the year filed. <sup>8</sup>Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. <sup>9</sup>Covers 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. <sup>10</sup>Reporting criteria and source of data changed between 1989 and 1990; these data from 1990 to present are not comparable to earlier years. <sup>11</sup>Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

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

## No. 995. Highway Mileage—Functional Systems and Urban/Rural: 1995

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

STATE	FUNCTIONAL SYSTEMS					Urban	Rural
	Total	Inter- state <sup>1</sup>	Other arterial	Collector	Local		
<b>U.S. ....</b>	<b>3,912,226</b>	<b>54,714</b>	<b>376,405</b>	<b>793,124</b>	<b>2,687,983</b>	<b>819,706</b>	<b>3,092,520</b>
AL .....	93,313	925	8,673	20,325	63,390	20,086	73,227
AK .....	13,486	1,086	1,511	2,444	8,445	1,781	11,705
AZ .....	54,561	1,250	4,701	8,721	39,889	16,322	38,239
AR .....	77,222	646	6,739	20,120	49,717	7,657	69,565
CA .....	170,389	3,750	26,754	32,206	107,679	82,520	87,869
CO .....	84,499	1,170	8,134	16,566	58,629	13,485	71,014
CT .....	20,500	542	2,851	2,945	14,162	11,627	8,873
DE .....	5,631	51	615	943	4,022	1,920	3,711
DC .....	1,421	31	248	152	990	1,421	-
FL .....	113,778	1,861	11,933	15,344	84,640	48,338	65,440
GA .....	111,273	1,413	12,998	23,093	73,769	26,402	84,871
HI .....	4,133	77	754	792	2,510	1,840	2,293
ID .....	59,733	613	3,580	9,647	45,893	3,546	56,187
IL .....	137,413	2,245	13,872	21,429	99,867	35,567	101,846
IN .....	92,780	1,303	7,912	22,598	60,967	19,467	73,313
IA .....	112,702	781	9,412	31,488	71,021	9,337	103,365
KS .....	133,323	1,008	9,167	33,201	89,947	9,691	123,632
KY .....	72,988	855	5,418	17,610	49,115	10,298	62,700
LA .....	60,119	929	5,289	12,545	41,356	13,919	46,200
ME .....	22,577	383	2,300	5,917	13,977	2,620	19,957
MD .....	29,680	711	3,551	4,987	20,431	13,899	15,781
MA .....	30,751	762	5,628	5,454	18,907	19,847	10,904
MI .....	117,611	1,458	12,150	25,847	78,156	28,083	89,528
MN .....	130,391	1,042	12,260	29,345	87,744	15,166	115,225
MS .....	73,102	726	7,018	15,554	49,804	7,919	65,183
MO .....	122,616	1,460	9,276	25,072	86,808	16,310	106,306
MT .....	69,537	1,190	6,003	16,428	45,916	2,399	67,138
NE .....	92,755	497	7,877	20,747	63,634	5,105	87,650
NV .....	44,936	586	2,729	4,895	36,726	4,453	40,483
NH .....	15,086	266	1,545	2,713	10,562	2,913	12,173
NJ .....	35,646	728	5,154	4,544	25,220	24,405	11,241
NM .....	61,289	1,003	4,509	6,811	48,966	6,102	55,187
NY .....	112,193	2,328	13,690	20,496	75,679	40,320	71,873
NC .....	96,809	1,237	8,850	17,788	68,934	22,149	74,660
ND .....	86,830	570	5,870	11,372	69,018	1,820	85,010
OH .....	114,563	1,937	10,616	22,097	79,913	33,139	81,424
OK .....	112,517	1,064	7,832	25,349	78,272	12,956	99,561
OR .....	83,944	780	6,510	18,429	58,225	10,155	73,789
PA .....	118,648	2,087	13,284	19,747	83,530	33,272	85,376
RI .....	5,893	137	751	818	4,187	4,572	1,321
SC .....	64,293	894	6,802	13,390	43,207	10,543	53,750
SD .....	83,360	681	6,284	19,272	57,123	1,938	81,422
TN .....	85,599	1,176	8,580	18,078	57,765	17,196	68,403
TX .....	296,186	4,474	28,121	63,174	200,417	82,201	213,985
UT .....	41,044	948	3,333	7,714	29,049	6,227	34,817
VT .....	14,184	339	1,300	3,110	9,435	1,334	12,850
VA .....	69,142	1,329	8,073	14,226	45,514	18,375	50,767
WA .....	79,710	1,079	7,282	16,791	54,558	17,612	62,098
WV .....	35,110	560	3,236	8,802	22,512	3,158	31,952
WI .....	111,489	830	11,767	21,421	77,471	15,982	95,507
WY .....	35,461	916	3,663	10,567	20,315	2,312	33,149

- Represents zero. <sup>1</sup> Also includes freeways and expressways.Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.



### No. 996. 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]

TYPE AND CONTROL	1980	1985	1988	1989	1990	1991	1992	1993	1994
<b>Total mileage</b> <sup>1</sup> . . . . .	<b>23,955</b>	<b>3,862</b>	<b>3,871</b>	<b>3,877</b>	<b>3,880</b>	<b>3,889</b>	<b>3,902</b>	<b>3,905</b>	<b>3,906</b>
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 <sup>3</sup> . . . . .	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

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

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

### No. 997. Highway Pavement Condition, by Type of Road System: 1993

CONDITION	URBAN AREAS						RURAL AREAS				
	Total	Inter-state	Other			Collector	Total	Inter-state	Other principal arterial	Minor arterial	Major collector
			Free-ways and express-ways	Principal arterial	Minor 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	11	11	8	7	25

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

### No. 998. Funding for Highways: 1980 to 1995

[In millions of dollars. Data compiled from reports of State and local authorities]

TYPE	1980	1985	1990	1991	1992	1993	1994	1995
<b>Total receipts</b> . . . . .	<b>39,715</b>	<b>61,506</b>	<b>75,294</b>	<b>82,379</b>	<b>86,703</b>	<b>88,380</b>	<b>88,296</b>	<b>95,313</b>
Current income . . . . .	37,604	54,957	69,730	75,452	77,404	80,610	80,514	87,694
Imposts on highway users <sup>2</sup> . . . . .	22,559	35,599	44,264	50,349	50,889	54,401	54,476	59,562
Other taxes and fees . . . . .	11,808	15,127	19,827	19,077	19,933	19,375	19,872	21,390
Investment income, other receipts . . . . .	3,237	4,231	5,639	6,026	6,582	6,834	6,166	6,742
Bond issue proceeds <sup>3</sup> . . . . .	2,111	6,549	5,564	6,927	9,299	7,770	7,782	7,619
Intergovernmental payments . . . . .	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Funds from (+) or to (-) reserves <sup>4</sup> . . . . .	2,080	-4,058	114	-3,768	-3,155	-1,955	962	-2,809
Total funds available . . . . .	41,795	57,448	75,408	78,611	83,548	86,425	89,258	92,504
<b>Total disbursements</b> . . . . .	<b>41,795</b>	<b>57,448</b>	<b>75,408</b>	<b>78,611</b>	<b>83,548</b>	<b>86,425</b>	<b>89,258</b>	<b>92,504</b>
Current disbursements . . . . .	40,084	54,725	72,457	74,895	78,959	81,233	85,109	87,843
Capital outlay . . . . .	20,337	27,138	35,151	36,638	38,309	39,528	41,780	43,097
Maintenance and traffic services . . . . .	11,445	16,032	20,365	21,222	22,223	22,894	23,607	24,455
Administration and research . . . . .	3,022	4,033	6,501	6,856	7,718	7,921	8,398	8,332
Law enforcement and safety . . . . .	3,824	5,334	7,235	7,040	7,088	7,157	7,518	7,977
Interest on dept. . . . .	1,456	2,188	3,205	3,139	3,621	3,733	3,806	3,982
Debt retirement <sup>5</sup> . . . . .	1,711	2,723	2,951	3,716	4,589	5,192	4,149	4,661

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



**No. 999. Disbursements of State Highway Funds, by State: 1990 to to 1995**

[In millions of dollars. Comprises disbursements from current revenues. Includes transactions by State toll authorities. Excludes amounts allocated for collection expenses and nonhighway purposes, and bonds redeemed by refunding]

STATE	1990	1994	1995	STATE	1990	1994	1995	STATE	1990	1994	1995
<b>U.S. . . . .</b>	<b>53,580</b>	<b>64,113</b>	<b>67,261</b>	KS . . . . .	697	919	1,019	ND . . . . .	189	264	270
AL . . . . .	866	834	1,002	KY . . . . .	1,008	1,303	1,342	OH . . . . .	2,271	2,604	2,637
AK . . . . .	336	436	438	LA . . . . .	923	1,106	1,195	OK . . . . .	827	760	828
AZ . . . . .	1,525	1,255	1,199	ME . . . . .	332	349	379	OR . . . . .	765	907	888
AR . . . . .	456	658	666	MD . . . . .	1,464	1,263	1,289	PA . . . . .	2,885	3,214	3,153
CA . . . . .	4,294	5,073	5,966	MA . . . . .	1,055	2,108	2,501	RI . . . . .	214	348	290
CO . . . . .	714	979	922	MI . . . . .	1,526	1,804	1,974	SC . . . . .	585	632	668
CT . . . . .	1,204	1,101	1,153	MN . . . . .	1,228	1,202	1,210	SD . . . . .	232	297	286
DE . . . . .	315	420	441	MO . . . . .	529	645	662	TN . . . . .	1,174	1,144	1,230
DC . . . . .	273	205	140	MS . . . . .	937	1,265	1,313	TX . . . . .	3,001	3,553	3,593
FL . . . . .	1,677	2,892	3,402	MT . . . . .	302	339	388	UT . . . . .	355	397	431
GA . . . . .	1,278	1,236	1,437	NE . . . . .	449	618	578	VT . . . . .	165	187	194
HI . . . . .	297	400	307	NH . . . . .	309	445	484	VA . . . . .	1,874	2,019	2,107
ID . . . . .	300	348	350	NJ . . . . .	1,831	2,312	2,102	WA . . . . .	1,251	1,655	1,842
IL . . . . .	2,645	2,602	2,985	NM . . . . .	409	534	535	WV . . . . .	650	776	781
IN . . . . .	1,218	1,297	1,368	NY . . . . .	2,874	4,728	4,515	WI . . . . .	979	1,262	1,252
IA . . . . .	869	999	1,078	NC . . . . .	1,428	1,778	1,871	WY . . . . .	297	288	272

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

**No. 1000. Federal Grants to State and Local Governments Highway Trust Fund and Federal Transit Administration (FTA), by State: 1996**

[Year ending Sept. 30]

STATE	HIGHWAY TRUST FUND		FTA <sup>2</sup>		STATE	HIGHWAY TRUST FUND		FTA <sup>2</sup>		STATE	HIGHWAY TRUST FUND		FTA <sup>2</sup>	
	Total (mil. dol.)	Per cap-ita	Total (mil. dol.)	Per cap-ita		Total (mil. dol.)	Per cap-ita	Total (mil. dol.)	Per cap-ita		Total (mil. dol.)	Per cap-ita	Total (mil. dol.)	Per cap-ita
<b>U.S. . . . .</b>	<b>19,544</b>	<b>72.6</b>	<b>4,885</b>	<b>18.2</b>	KS . . . . .	208	80.9	7	2.6	ND . . . . .	94	145.5	2	2.7
AL . . . . .	257	60.0	15	3.5	KY . . . . .	192	49.4	16	4.1	OH . . . . .	687	61.5	102	9.2
AK . . . . .	231	380.1	7	12.0	LA . . . . .	256	58.8	31	7.2	OK . . . . .	211	63.9	14	4.1
AZ . . . . .	230	51.9	22	5.0	ME . . . . .	86	69.5	7	5.3	OR . . . . .	214	66.7	173	54.0
AR . . . . .	204	81.4	9	3.6	MD . . . . .	315	62.0	117	23.0	PA . . . . .	686	56.9	284	23.6
CA . . . . .	1,523	47.8	755	23.7	MA . . . . .	1,005	164.9	340	55.8	RI . . . . .	117	118.2	14	14.4
CO . . . . .	275	72.0	22	5.8	MI . . . . .	441	46.0	69	7.1	SC . . . . .	207	55.9	18	5.0
CT . . . . .	311	95.1	65	19.8	MN . . . . .	242	51.9	24	5.2	SD . . . . .	138	188.1	2	2.6
DE . . . . .	74	101.8	13	18.0	MO . . . . .	182	67.2	6	2.2	TN . . . . .	348	65.5	26	5.0
DC . . . . .	63	116.0	329	606.7	MS . . . . .	324	60.6	52	9.6	TX . . . . .	1,074	56.2	210	11.0
FL . . . . .	610	42.4	140	9.7	MT . . . . .	178	202.7	3	3.1	UT . . . . .	143	71.3	28	14.2
GA . . . . .	406	55.3	100	13.6	NE . . . . .	143	86.8	5	2.9	VT . . . . .	81	137.9	4	7.3
HI . . . . .	177	149.6	16	13.6	NV . . . . .	106	66.0	13	8.0	VA . . . . .	340	50.9	39	5.8
IL . . . . .	122	102.4	5	4.1	NH . . . . .	78	67.1	4	3.4	WA . . . . .	332	60.1	35	6.3
IN . . . . .	601	50.7	338	28.5	NJ . . . . .	514	64.4	360	45.1	WV . . . . .	156	85.4	8	4.2
IA . . . . .	325	55.7	34	5.9	NM . . . . .	167	97.3	9	5.1	WI . . . . .	283	54.8	47	9.2
	230	80.8	16	5.6	NY . . . . .	980	53.9	879	48.4	WY . . . . .	123	256.4	1	3.0
					NC . . . . .	265	36.2	30	4.1					

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

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

**No. 1001. State Gasoline Tax Rates, 1994 and 1995, and Motor Fuel Tax Receipts, 1995**

STATE	RATE <sup>1</sup> (cents/gal.)		Re-ceipts, <sup>2</sup> 1995 (mil. dol.)	STATE	RATE <sup>1</sup> (cents/gal.)		Re-ceipts, <sup>2</sup> 1995 (mil. dol.)	STATE	RATE <sup>1</sup> (cents/gal.)		Re-ceipts, <sup>2</sup> 1995 (mil. dol.)
	1994	1995			1994	1995			1994	1995	
Federal State . . .	18.4 (NA)	18.4 (NA)	(NA)	KS . . . . .	18	18	289	ND . . . . .	18	18	81
AL . . . . .	18	18	532	KY . . . . .	16.4	16.4	377	OH . . . . .	22	22	1,302
AK . . . . .	8	8	22	LA . . . . .	20	20	492	OK <sup>4</sup> . . . . .	17	17	356
AZ . . . . .	18	18	459	ME . . . . .	19	19	138	OR . . . . .	24	24	368
AR . . . . .	18.7	18.7	330	MD . . . . .	23.5	23.5	601	PA . . . . .	22.35	22.35	1,418
CA . . . . .	18	18	2,702	MA . . . . .	21	21	578	RI . . . . .	28	29	120
CO . . . . .	22	22	427	MI . . . . .	15	15	757	SC . . . . .	16	16	391
CT . . . . .	31	34	462	MN . . . . .	20	20	495	SD . . . . .	18	18	89
DE . . . . .	22	23	98	MS . . . . .	18.4	18.4	329	TN <sup>5</sup> . . . . .	20	20	651
DC . . . . .	20	20	35	MO . . . . .	15.05	15	532	TX . . . . .	20	20	2,258
FL . . . . .	12.1	12.3	1,264	MT . . . . .	27	27	150	UT . . . . .	19	19	205
GA . . . . .	7.5	7.5	384	NE . . . . .	25.4	25.4	236	VT . . . . .	16	16	67
HI . . . . .	16	16	68	NV . . . . .	24	24	220	VA <sup>3</sup> . . . . .	17.5	17.5	694
ID . . . . .	21	21	155	NH . . . . .	18.7	18.7	110	WA . . . . .	23	23	667
IL . . . . .	19	19	1,102	NJ . . . . .	10.5	10.5	431	WV . . . . .	25.35	25.35	276
IN . . . . .	15	15	662	NM . . . . .	21	18	246	WI . . . . .	23.1	23.4	658
IA . . . . .	20	20	361	NY . . . . .	22.56	21.92	1,519	WY . . . . .	9	9	49
				NC . . . . .	21.3	21.6	892				

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

### No. 1002. 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	Reinforcing 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. 1003. Public Highway Debt—State and Local Governments: 1980 to 1994

[In millions of dollars. Long-term obligations. Data are for varying calendar and fiscal years. Excludes duplicated and interunit obligations]

ITEM	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994 <sup>1</sup>
Total debt issued	2,357	8,194	6,898	4,594	5,900	5,838	9,516	12,988	14,178	9,334
State	1,135	5,397	4,395	2,702	3,775	3,277	6,252	9,460	10,035	5,739
Local	1,222	2,797	2,503	1,892	2,125	2,561	3,264	3,528	4,143	3,595
Total debt redeemed	1,982	4,606	4,924	2,774	3,729	5,158	6,138	7,665	10,823	5,590
State	1,109	3,835	3,211	1,547	2,813	2,041	4,352	5,388	8,082	3,622
Local	873	771	1,713	1,227	916	3,117	1,786	2,277	2,741	1,968
Total debt outstanding	27,519	33,379	39,843	41,663	43,834	44,514	47,892	53,539	58,373	64,158
Local	7,427	12,100	15,262	15,927	17,136	16,580	18,058	19,353	22,965	26,709

<sup>1</sup> Estimated.

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

### No. 1004. Alternative Fueled Vehicles in Use, by Fuel Type: 1995 to 1997

FUEL	ALTERNATIVE FUELED VEHICLES			FUEL CONSUMPTION (1,000 gasoline-equivalent gallons)		
	1995	1996	1997	1995	1996	1997
<b>Fuels</b>	<b>333,049</b>	<b>356,533</b>	<b>385,744</b>	<b>277,909</b>	<b>300,044</b>	<b>338,817</b>
Liquified petroleum gases (LPG)	259,000	266,000	273,000	232,701	238,681	244,659
Compressed natural gas (CNG)	50,218	62,805	81,747	35,162	50,884	81,736
Liquified natural gas (LNG)	603	715	955	2,759	3,233	4,702
M85 (Mixture: 85% methanol + 15% gasoline)	18,319	19,636	19,787	3,575	3,832	3,850
Neat methanol (M100)	386	155	130	2,150	360	338
E85 (Mixture: 85% ethanol+15% gasoline)	1,527	3,575	5,859	190	436	728
E95 (Mixture: 95% ethanol + 5% gasoline)	136	341	341	709	1,803	1,803
Electricity	2,860	3,306	3,925	663	815	1,001

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

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

### No. 1005. Motor Vehicle Registrations, 1990 to 1995, 1995, and Drivers Licenses, 1995, 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 <sup>1</sup>							1995		
	1980	1985	1990	1992	1993	1994	1995		Motor-cycle registration (incl. official)	Drivers licenses
							Total	Auto-mob-iles (incl. taxis)		
<b>U.S. . . . .</b>	<b>155,796</b>	<b>171,654</b>	<b>188,798</b>	<b>190,362</b>	<b>194,063</b>	<b>198,045</b>	<b>201,530</b>	<b>134,803</b>	<b>3,728</b>	<b>176,628</b>
AL. . . . .	2,938	3,338	3,744	3,304	3,390	3,177	3,553	1,827	37	3,456
AK. . . . .	262	353	477	486	489	533	542	303	13	434
AZ. . . . .	1,917	2,235	2,825	2,801	2,892	2,813	2,873	1,865	68	2,626
AR. . . . .	1,574	1,384	1,448	1,501	1,528	1,567	1,613	798	17	1,769
CA. . . . .	16,873	18,899	21,926	22,202	22,824	22,339	22,432	14,677	519	20,140
CO. . . . .	2,342	2,759	3,155	2,915	3,032	2,750	2,812	1,695	88	2,728
CT. . . . .	2,147	2,465	2,623	2,569	2,594	2,599	2,622	2,068	49	2,349
DE. . . . .	397	465	526	545	555	578	592	398	9	525
DC. . . . .	268	326	262	256	264	249	243	202	1	339
FL. . . . .	7,614	9,865	10,950	10,232	10,170	10,252	10,369	7,503	185	11,024
GA. . . . .	3,818	4,580	5,489	5,899	5,632	5,990	6,120	4,203	71	4,840
HI. . . . .	570	651	771	774	763	779	802	527	13	733
ID. . . . .	834	854	1,054	1,034	1,023	1,035	1,043	581	33	806
IL. . . . .	7,477	7,727	7,873	7,982	8,070	8,698	8,973	6,553	184	7,211
IN. . . . .	3,826	4,024	4,366	4,516	4,670	4,889	5,072	3,349	96	3,706
IA. . . . .	2,329	2,696	2,632	2,706	2,738	2,766	2,814	1,817	111	1,905
KS. . . . .	2,007	2,148	2,012	1,921	1,922	2,083	2,085	1,078	43	1,771
KY. . . . .	2,593	2,615	2,909	2,983	2,629	2,666	2,631	1,609	33	2,535
LA. . . . .	2,779	3,012	2,995	3,094	3,166	3,426	3,286	1,927	36	2,594
ME. . . . .	724	840	977	978	1,028	946	967	618	26	864
MD. . . . .	2,803	3,276	3,607	3,689	3,560	3,640	3,654	2,692	39	3,344
MA. . . . .	3,749	3,738	3,726	3,663	3,837	4,027	4,502	3,491	74	4,211
MI. . . . .	6,488	6,727	7,209	7,311	7,399	7,574	7,674	5,270	127	6,659
MN. . . . .	3,091	3,385	3,508	3,484	3,716	4,057	3,882	2,541	118	2,761
MS. . . . .	1,577	1,746	1,875	1,954	2,000	2,063	2,144	1,398	30	1,693
MO. . . . .	3,271	3,558	3,905	4,004	4,066	4,208	4,255	2,739	55	3,587
MT. . . . .	680	652	783	907	939	950	968	532	21	574
NE. . . . .	1,254	1,257	1,384	1,355	1,439	1,458	1,467	839	19	1,152
NV. . . . .	655	709	853	921	937	985	1,047	583	21	1,045
NH. . . . .	704	974	946	894	959	992	1,122	728	49	901
NJ. . . . .	4,761	4,909	5,652	5,591	5,641	5,839	5,906	4,637	88	5,404
NM. . . . .	1,068	1,176	1,301	1,352	1,421	1,422	1,484	819	31	1,173
NY. . . . .	8,002	9,042	10,196	9,780	10,163	10,196	10,274	7,847	168	10,474
NC. . . . .	4,532	4,450	5,162	5,307	5,365	5,443	5,682	3,652	67	5,028
ND. . . . .	627	655	630	655	662	685	695	368	17	449
OH. . . . .	7,771	8,102	8,410	9,030	9,279	9,664	9,810	7,155	218	7,773
OK. . . . .	2,583	2,864	2,649	2,737	2,771	2,806	2,856	1,619	55	2,156
OR. . . . .	2,081	2,204	2,445	2,583	2,624	2,753	2,785	1,606	60	2,542
PA. . . . .	6,926	7,209	7,971	8,179	8,282	8,482	8,481	5,972	170	8,154
RI. . . . .	623	610	672	622	695	699	699	542	17	670
SC. . . . .	1,996	2,222	2,521	2,601	2,684	2,743	2,833	1,856	34	2,542
SD. . . . .	601	650	704	720	808	769	709	375	25	516
TN. . . . .	3,271	3,754	4,444	4,645	4,964	5,059	5,400	3,914	70	3,739
TX. . . . .	10,475	12,444	12,800	12,767	13,118	13,626	13,682	8,427	126	12,369
UT. . . . .	992	1,099	1,206	1,252	1,335	1,415	1,447	790	22	1,255
VT. . . . .	347	398	462	465	483	489	492	314	18	456
VA. . . . .	3,626	4,253	4,938	5,239	5,408	5,507	5,613	3,942	58	4,629
WA. . . . .	3,225	3,526	4,257	4,466	4,413	4,465	4,503	2,942	95	3,765
WV. . . . .	1,320	1,143	1,225	1,273	1,345	1,462	1,425	839	18	1,305
WI. . . . .	2,941	3,187	3,815	3,735	3,815	3,926	3,993	2,411	168	3,602
WY. . . . .	467	500	528	483	558	508	601	364	17	346

<sup>1</sup> Excludes vehicles owned by military services.

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

## No. 1006. Selected Motor Vehicle Indicators: 1990 to 1995

[In thousands of units, except as indicated]

SALES AND EXPENDITURES	1990	1991	1992	1993	1994	1995
New motor vehicle sales . . . . .	14,169	12,756	12,868	13,913	15,179	15,233
New-car sales . . . . .	9,436	8,589	8,334	8,606	9,150	8,970
Domestic . . . . .	6,790	6,276	6,195	6,595	7,173	7,167
U.S. nameplates . . . . .	5,758	5,137	5,048	5,348	5,707	5,518
Transplants . . . . .	1,032	1,140	1,146	1,247	1,466	1,649
Import . . . . .	2,645	2,313	2,140	2,011	1,977	1,803
New-truck sales . . . . .	4,733	4,167	4,533	5,307	6,029	6,263
Light . . . . .	4,428	3,914	4,273	4,987	5,654	5,836
Domestic . . . . .	3,996	3,582	4,026	4,789	5,499	5,666
Import . . . . .	432	333	247	199	155	170
Other . . . . .	306	253	261	320	375	427
Domestic-car production . . . . .	6,231	5,454	5,643	5,827	6,539	6,466
Avg. expenditure per new car <sup>2</sup> (dollar) . . . . .	15,926	16,650	17,825	18,585	19,463	19,757
Domestic (dollar) . . . . .	15,470	16,215	17,152	17,519	18,198	18,354
Import (dollar) . . . . .	17,116	17,830	19,792	22,093	24,078	25,344

<sup>1</sup> A model year begins on Oct. 1, and ends on Sept. 30. It covers the fourth quarter of one calendar year and the first three quarters of the next calendar year. <sup>2</sup>BEA estimate based on the manufacturer's suggested retail price.

Source: American Automobile Manufacturers Association, Detroit, MI, *Motor Vehicle Facts & Figures annual* (copyright), and Ward's Automotive Reports; seasonally adjusted by BEA.

## No. 1007. U.S. Truck Market — Import Penetration: 1975 to 1996

[Represents retail sales]

YEAR	Total U.S. Sales	Domestic (lbs GVWR) <sup>1</sup>				Imports		PERCENT OF U.S. MARKET	
		Total	14,000 lbs. & under	14,001-33,000	Over 33,000	Total imports	From Japan	From Japan	Total imports
1975 . . . . .	2,478,219	2,248,904	1,973,853	191,903	83,148	229,315	228,097	9.2	9.3
1976 . . . . .	3,181,254	2,943,872	2,662,587	183,999	97,286	237,382	236,211	7.4	7.5
1977 . . . . .	3,675,439	3,352,255	3,011,667	199,945	140,643	323,184	321,364	8.7	8.8
1978 . . . . .	4,109,079	3,773,166	3,406,419	205,139	161,608	335,913	333,662	8.1	8.2
1979 . . . . .	3,479,794	3,009,867	2,635,604	200,969	173,294	469,701	465,701	13.4	13.5
1980 . . . . .	2,487,239	2,000,669	1,734,664	149,213	116,792	486,570	480,547	19.3	19.6
1981 . . . . .	2,260,318	1,809,188	1,587,093	122,395	99,700	451,130	443,504	19.6	20.0
1982 . . . . .	2,559,881	2,145,947	1,968,473	101,697	75,777	413,934	407,486	15.9	16.2
1983 . . . . .	3,129,476	2,658,269	2,477,238	99,384	81,647	471,207	463,515	14.8	15.1
1984 . . . . .	4,093,199	3,475,416	3,208,366	129,357	137,693	617,783	607,758	14.8	15.1
1985 . . . . .	4,681,698	3,902,417	3,629,080	139,756	133,581	779,281	768,625	16.4	16.6
1986 . . . . .	4,862,717	3,921,408	3,676,129	133,465	111,814	941,309	926,729	19.1	19.4
1987 . . . . .	4,912,374	4,054,738	3,790,606	133,872	130,260	857,636	840,297	17.1	17.5
1988 . . . . .	5,148,964	4,508,059	4,199,643	160,544	147,872	640,905	623,540	12.1	12.4
1989 . . . . .	4,941,220	4,403,299	4,113,467	145,104	144,728	537,921	514,532	10.4	10.9
1990 . . . . .	4,846,162	4,215,003	3,956,835	137,031	121,137	631,159	610,688	12.6	13.0
1991 . . . . .	4,364,672	3,813,173	3,605,779	108,751	98,643	551,499	539,556	12.4	12.6
1992 . . . . .	4,903,362	4,481,325	4,247,097	115,198	119,030	422,037	412,961	8.4	8.6
1993 . . . . .	5,680,994	5,287,379	5,000,430	129,063	157,886	393,615	381,433	6.7	6.9
1994 . . . . .	6,420,857	5,995,227	5,657,634	151,897	185,696	425,630	406,682	6.3	6.6
1995 . . . . .	6,481,357	6,064,154	5,690,903	171,948	201,303	417,203	393,573	6.1	6.4
1996 . . . . .	6,929,591	6,477,802	6,131,646	176,147	170,009	451,789	416,211	6.0	6.5

<sup>1</sup> North American built.

Source: American Automobile Manufacturers Association, Detroit, MI, *Motor Vehicle Facts & Figures annual* (copyright), and Ward's Automotive Reports; seasonally adjusted by BEA.

No. 1008. Motor Vehicle Production and Trade: 1980 to 1995

ITEM	Unit	1980	1985	1990	1991	1992	1993	1994	1995
United States . . . . .	1,000 . .	8,010	11,653	9,784	8,811	9,729	10,898	12,263	11,986
Passenger car production . . . . .	1,000 . .	6,376	8,185	6,078	5,439	5,664	5,981	6,614	6,351
Truck and bus production . . . . .	1,000 . .	1,634	3,468	3,706	3,372	4,065	4,917	5,649	6,083
Imports:									
Passenger cars (new) <sup>1 2</sup> . . . . .	1,000 . .	3,116	4,398	3,945	3,736	3,615	3,808	4,097	4,114
Canada . . . . .	1,000 . .	595	1,145	1,220	1,196	1,200	1,468	1,591	1,678
Germany, Federal Republic of . . . . .	1,000 . .	339	473	245	172	206	184	188	207
Japan . . . . .	1,000 . .	1,992	2,527	1,868	1,789	1,678	1,597	1,593	1,387
Trucks and buses (new) <sup>2</sup> . . . . .	1,000 . .	747	1,253	766	716	777	722	708	662
Japan . . . . .	1,000 . .	483	800	302	283	197	154	170	90
All-terrain vehicles . . . . .	1,000 . .	(NA)	683	100	(NA)	(NA)	(NA)	(NA)	(NA)
Motorcycles, total <sup>3</sup> . . . . .	1,000 . .	1,120	733	169	(NA)	(NA)	(NA)	(NA)	(NA)
Import value:									
Passenger cars (new) <sup>1</sup> . . . . .	Mil. dol.	16,675	36,474	45,716	45,564	46,729	52,208	61,367	64,526
Trucks and buses, (new) <sup>1</sup> . . . . .	Mil. dol.	1,985	7,734	8,155	8,221	10,000	10,104	10,909	11,792
Motorcycles <sup>3 4</sup> . . . . .	Mil. dol.	1,142	783	361	(NA)	(NA)	(NA)	(NA)	(NA)
Exports, number:									
Passenger cars (new) <sup>1</sup> . . . . .	1,000 . .	617	704	794	755	851	864	1,019	989
Trucks and buses (new) exports . . . . .	1,000 . .	186	183	159	208	161	181	274	254
Export value <sup>1 5</sup> . . . . .	Mil. dol.	16,015	22,820	38,086	(NA)	(NA)	(NA)	(NA)	(NA)
Passenger cars (new) <sup>5</sup> . . . . .	Mil. dol.	3,932	6,027	9,708	9,886	11,893	12,476	14,591	14,251
Trucks and buses (new) <sup>5</sup> . . . . .	Mil. dol.	2,977	2,789	2,845	3,388	3,073	3,399	5,238	5,209
Parts and accessories <sup>6</sup> <sup>5</sup> . . . . .	Mil. dol.	9,106	14,004	24,996	(NA)	(NA)	(NA)	(NA)	(NA)
Factory sales:									
Passenger cars . . . . .	1,000 . .	6,400	8,002	6,050	5,407	5,685	5,962	6,549	(NA)
Trucks and buses . . . . .	1,000 . .	1,667	3,357	3,725	3,387	4,062	4,895	5,640	5,713
Retail sales:									
Passenger cars (new) <sup>1</sup> . . . . .	1,000 . .	8,979	11,042	9,300	8,175	8,213	8,518	8,991	8,635
Domestics <sup>7</sup> . . . . .	1,000 . .	6,581	8,205	6,897	6,137	6,277	6,742	7,255	7,129
Imports <sup>8</sup> . . . . .	1,000 . .	2,398	2,838	2,403	2,038	1,937	1,776	1,735	1,506
Trucks and buses <sup>9</sup> . . . . .	1,000 . .	2,232	3,984	4,261	3,842	4,513	5,318	6,026	6,091
Light duty (up to 14,000 GVW) <sup>10</sup> . . . . .	1,000 . .	1,964	3,700	3,984	3,621	4,264	5,015	5,673	5,703
Med. duty (14,001-26,000 GVW) <sup>10</sup> . . . . .	1,000 . .	92	53	71	50	57	64	69	80
Heavy duty (over 26,000 GVW) <sup>10</sup> . . . . .	1,000 . .	176	231	207	171	192	239	284	308
Under 6,000 pounds . . . . .	1,000 . .	985	2,408	2,866	2,724	3,217	3,756	4,132	4,031
Utility . . . . .	1,000 . .	51	429	490	549	666	721	1,130	1,258
Van . . . . .	1,000 . .	79	115	31	17	21	18	12	12
Minivan (cargo) . . . . .	1,000 . .	(X)	103	83	66	63	70	82	73
Station wagon (truck chassis) . . . . .	1,000 . .	(X)	86	112	110	201	321	-	-
Mini-passenger carrier . . . . .	1,000 . .	(X)	301	750	706	840	1,002	1,132	1,113
6,000 to 10,000 pounds <sup>11</sup> . . . . .	1,000 . .	975	1,280	1,097	876	1,021	1,232	1,506	1,631
Utility . . . . .	1,000 . .	108	108	68	37	51	60	72	144
Van . . . . .	1,000 . .	172	261	254	203	241	279	275	274
Pickup, conventional . . . . .	1,000 . .	546	628	568	476	524	647	883	967
Station wagon (truck chassis) . . . . .	1,000 . .	39	95	85	55	80	60	125	109
10,001 pounds and over . . . . .	1,000 . .	271	295	298	242	275	330	388	428

- Represents or rounds to zero. NA Not available. X Not applicable. <sup>1</sup> Based on data from U.S. Dept. of Commerce. <sup>2</sup> Includes other countries, not shown separately. <sup>3</sup> 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). <sup>4</sup> Represents c.i.f. value. <sup>5</sup> Covers assembled and unassembled vehicles. <sup>6</sup> Includes rubber tires and tubes and used vehicles. <sup>7</sup> Includes domestic models produced in Canada and Mexico. <sup>8</sup> Excludes domestic models produced in Canada. <sup>9</sup> 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. <sup>10</sup> Gross vehicle weight (fully loaded vehicle). <sup>11</sup> 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. 1009. Motor Vehicles in Use: 1980 to 1995

ITEM	Unit	1980	1985	1990	1991	1992	1993	1994	1995
<b>Cars in use, total . . . . .</b>	<b>Million . .</b>	<b>104.6</b>	<b>114.7</b>	<b>123.3</b>	<b>123.3</b>	<b>120.3</b>	<b>121.1</b>	<b>122.0</b>	<b>123.2</b>
Under 5 years . . . . .	Million . .	52.3	48.7	56.5	54.6	50.4	47.0	45.4	46.2
6-8 years . . . . .	Million . .	25.2	27.8	22.6	25.5	27.5	28.7	27.9	26.9
9-11 years . . . . .	Million . .	14.6	17.2	19.1	16.7	16.0	22.5	25.1	23.3
12 years and over . . . . .	Million . .	12.5	21.0	25.1	26.6	26.4	31.1	31.4	26.8
Average age . . . . .	Years . . .	6.6	7.6	7.8	7.9	8.1	8.3	8.4	8.5
Cars retired from use <sup>1</sup> . . . . .	1,000 . .	8,405	7,729	8,897	8,565	11,194	7,366	7,824	7,414
<b>Trucks in use, total . . . . .</b>	<b>Million . .</b>	<b>35.8</b>	<b>42.4</b>	<b>56.0</b>	<b>58.2</b>	<b>61.2</b>	<b>62.5</b>	<b>71.4</b>	<b>70.2</b>
Under 3 years . . . . .	Million . .	8.8	9.0	12.8	12.0	11.3	12.1	13.7	15.4
3-5 years . . . . .	Million . .	8.1	6.3	13.2	14.0	14.0	12.9	12.7	12.4
6-8 years . . . . .	Million . .	7.4	10.2	8.0	9.9	11.9	14.0	13.6	13.1
9-11 years . . . . .	Million . .	4.4	6.2	6.6	5.3	5.6	11.7	11.3	10.7
12 years and over . . . . .	Million . .	6.5	10.7	15.5	17.0	18.3	23.2	20.1	18.6
Average age . . . . .	Years . . .	7.1	8.1	8.0	8.1	8.4	8.6	8.4	8.4
Trucks retired from use <sup>1</sup> . . . . .	1,000 . .	1,732	2,100	2,177	2,284	1,587	1,048	4,545	2,918

<sup>1</sup> For years ending June 30. Represents vehicles failing to re-register.

Source of tables 1001 and 1002: 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. 1010. 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
<b>Total</b> <sup>1</sup> . . . . .	<b>155,796</b>	<b>171,654</b>	<b>187,261</b>	<b>188,798</b>	<b>188,136</b>	<b>190,362</b>	<b>194,063</b>	<b>198,045</b>
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 <sup>2</sup> . . . . .	1,402	1,150	1,237	1,240	1,236	1,279	1,289	1,315
Light trucks <sup>2</sup> . . . . .	(NA)	32,146	36,530	37,380	37,728	38,257	39,786	55,603

NA Not available. <sup>1</sup> Components may not add to total because of double counting. <sup>2</sup> Excludes farm trucks.

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

**No. 1011. Motor Vehicle Tires and Batteries: 1980 to 1995**

[In millions]

ITEM	1980	1985	1990	1991	1992	1993	1994	1995
Tires, passenger car, total <sup>1</sup> . . . . .	145.9	200.9	213.6	214.5	228.6	235.0	249.6	247.1
Radials . . . . .	83.5	164.7	202.1	205.7	221.4	227.4	242.5	240.7
Replacement . . . . .	106.9	141.5	152.3	155.4	165.8	165.1	170.0	166.8
Tires, truck and bus, total <sup>1</sup> . . . . .	31.1	41.1	46.9	42.4	45.0	48.4	54.1	54.8
Radials . . . . .	3.8	19.7	32.5	32.4	36.1	40.3	46.5	47.5
Replacement . . . . .	24.4	32.1	36.6	32.9	33.7	35.7	36.8	36.7
Batteries, total <sup>2</sup> . . . . .	61.7	74.4	79.7	79.8	(NA)	(NA)	(NA)	(NA)
Replacement automobile batteries . . . . .	50.1	58.7	65.2	66.6	(NA)	(NA)	(NA)	(NA)

NA Not available. <sup>1</sup> Includes original equipment. Also includes exports, not shown separately. <sup>2</sup> 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. 1012. Automobile Output and Trade in National Income Accounts: 1995 to 1996**

[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		
	1995	1995	1995	1996	
<b>Auto output, total</b> . . . . .		<b>134.8</b>	<b>128.3</b>	<b>120.5</b>	<b>112.6</b>
Final sales . . . . .		133.8	131.1	120.2	115.2
Personal consumption expenditures . . . . .		137.3	136.3	118.1	115.9
Producers' durable equipment . . . . .		42.2	42.3	43.2	41.8
Net exports . . . . .		-48.1	-49.8	-43.0	-44.3
Government purchases . . . . .		2.4	2.4	2.2	2.2
Change in business inventories . . . . .		1.0	-2.9	0.2	-2.7
New . . . . .		0.0	-3.3	-0.6	-2.9
Used . . . . .		1.0	0.4	0.6	0.1

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. 1013. Recreational Vehicles—Number and Retail Value of Shipments: 1980 to 1995**

ITEM	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
<b>NUMBER (1,000)</b>												
<b>Total</b> . . . . .	<b>181.4</b>	<b>351.7</b>	<b>371.7</b>	<b>393.6</b>	<b>420.0</b>	<b>388.3</b>	<b>347.3</b>	<b>293.7</b>	<b>382.7</b>	<b>420.2</b>	<b>518.8</b>	<b>475.2</b>
Motorized homes . . . . .	99.9	233.5	249.6	255.7	277.1	261.6	226.5	172.6	226.3	243.8	306.7	281.0
Travel trailers . . . . .	52.0	75.4	78.2	86.2	89.6	82.9	80.4	77.6	102.5	113.6	128.0	121.2
Folding camping trailers . . . . .	24.5	35.9	36.5	41.6	42.3	33.9	30.7	33.9	43.3	51.9	61.7	61.1
Truck campers . . . . .	5.0	6.9	7.4	10.1	11.0	9.9	9.7	9.6	10.6	10.9	11.4	11.9
<b>RETAIL VALUE (mil. dol.)</b>												
<b>Total</b> . . . . .	<b>1,952</b>	<b>6,904</b>	<b>7,434</b>	<b>8,288</b>	<b>9,061</b>	<b>9,019</b>	<b>8,101</b>	<b>6,623</b>	<b>8,774</b>	<b>9,518</b>	<b>12,196</b>	<b>12,104</b>
Motorized homes . . . . .	1,381	5,724	6,155	6,826	7,543	7,420	6,660	5,284	6,963	(NA)	9,897	9,768
Travel trailers . . . . .	485	997	1,083	1,219	1,254	1,252	1,220	1,107	1,523	1,644	1,912	1,927
Folding camping trailers . . . . .	69	137	144	167	175	147	134	146	189	(NA)	276	290
Truck campers . . . . .	17	46	53	76	88	81	86	87	99	(NA)	112	119

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. 1014. 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 <sup>1</sup> (minutes)	HOUSEHOLDS WITH VEHICLES AVAILABLE		
	Car, truck, van		Percent using public transportation			None	One vehicle	Two or more vehicles
	Drove alone	Car- pooled						
<b>United States . . . . .</b>	<b>84,215</b>	<b>15,378</b>	<b>5.3</b>	<b>3,406</b>	<b>22.4</b>	<b>10,602</b>	<b>31,039</b>	<b>50,306</b>
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

<sup>1</sup> Excludes persons who worked at home.

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



### No. 1015. 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	229,453	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 . . .	23.16	2.83	2.69	2.56	(NA)	(NA)
Vehicles per household . . . . .	Number . . .	21.16	1.59	1.68	1.77	(NA)	(NA)
Licensed drivers per household . . . . .	Number . . .	21.65	1.69	1.72	1.75	(NA)	(NA)
Vehicles per licensed driver . . . . .	Number . . .	20.70	0.94	0.98	1.01	(NA)	(NA)
Workers per household . . . . .	Number . . .	21.21	1.23	1.21	1.27	(NA)	(NA)
Vehicles per worker . . . . .	Number . . .	20.96	1.29	1.39	1.40	(NA)	(NA)
Daily vehicle trips per household . . . . .	Number . . .	23.83	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 <sup>3</sup> . . . . .	Persons . . .	(NA)	1.9	1.7	1.6	4.1	(NA)
Home to work . . . . .	Persons . . .	(NA)	1.3	1.3	1.1	4.1	(NA)
Shopping . . . . .	Persons . . .	(NA)	2.1	1.8	1.7	4.1	(NA)
Other family or personal business . . . . .	Persons . . .	(NA)	2.0	1.8	1.8	4.0	(NA)
Social and recreational . . . . .	Persons . . .	(NA)	2.4	2.1	2.1	4.1	(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 <sup>5</sup> . . . . .	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. <sup>1</sup> Includes "don't know" and "refusals". <sup>2</sup> Excludes pickups and other light-trucks as household vehicles. <sup>3</sup> Includes other purposes not shown separately. <sup>4</sup> Change from 1977. <sup>5</sup> Household based trucks, primarily pickups.

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

## No. 1016. Roadway Congestion: 1993

[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	DAILY VEHICLE MILES OF TRAVEL		VEHICLE HOURS OF DELAY		ANNUAL CONGESTION COST		
	Total miles (1,000)	Per lane-mile of freeway	Total hours	Per 1,000 persons	Per driver (dol.)	Per capita (dol.)	Delay and fuel cost (mil. dol.)
Total, average . . . . .	17,240	13,020	226,390	80	470	370	1,010
Northeastern cities . . . . .	27,300	12,960	475,040	100	530	430	2,110
Baltimore MD . . . . .	18,000	13,140	163,850	80	440	350	730
Boston MA . . . . .	21,500	14,240	349,340	120	630	520	1,560
Hartford CT . . . . .	7,030	11,520	45,040	70	430	330	200
New York NY . . . . .	86,000	13,980	1,702,690	100	560	450	7,600
Philadelphia PA . . . . .	20,200	11,950	304,300	60	320	250	1,320
Pittsburgh PA . . . . .	9,350	8,130	128,880	70	360	290	560
Washington DC . . . . .	29,000	17,790	631,170	190	980	820	2,790
Midwestern cities . . . . .	16,170	12,510	150,490	60	320	250	660
Chicago IL . . . . .	40,970	15,850	630,790	80	470	370	2,790
Cincinnati OH . . . . .	12,870	13,330	62,150	50	290	220	280
Cleveland OH . . . . .	14,970	12,580	71,490	40	240	180	320
Columbus OH . . . . .	9,750	11,820	54,590	60	310	250	240
Detroit MI . . . . .	29,500	16,160	538,020	130	790	590	2,340
Indianapolis IN . . . . .	8,900	11,410	28,450	30	170	130	130
Kansas City MO . . . . .	15,000	9,740	48,120	40	210	160	210
Louisville KY . . . . .	7,000	11,380	33,490	40	220	180	140
Milwaukee WI . . . . .	7,840	12,960	49,690	40	240	180	220
Minn-St. Paul MN . . . . .	20,000	13,030	115,090	50	300	240	510
Oklahoma City OK . . . . .	7,700	10,480	28,260	40	200	150	120
St. Louis MO . . . . .	19,500	11,340	145,750	70	410	320	640
Southern cities . . . . .	8,310	12,310	95,900	80	420	340	420
Atlanta GA . . . . .	30,000	15,000	310,210	130	740	590	1,360
Charlotte NC . . . . .	3,500	11,110	37,310	70	400	320	160
Ft. Lauderdale FL . . . . .	8,500	12,500	83,940	60	350	290	370
Jacksonville FL . . . . .	6,000	12,500	66,700	90	500	380	300
Memphis TN . . . . .	5,150	11,320	28,420	30	180	140	120
Miami FL . . . . .	9,890	15,450	249,230	130	710	560	1,090
Nashville TN . . . . .	7,000	11,110	36,570	60	340	270	160
New Orleans LA . . . . .	5,200	13,510	68,030	60	360	270	300
Norfolk VA . . . . .	5,980	10,390	71,790	70	410	330	320
Orlando FL . . . . .	6,230	10,120	52,460	60	310	250	230
Tampa FL . . . . .	3,950	12,340	50,290	70	370	290	220
Southwestern cities . . . . .	11,330	12,170	127,540	80	460	350	570
Albuquerque NM . . . . .	2,740	11,420	28,090	50	300	230	120
Austin TX . . . . .	6,420	12,110	59,490	100	590	470	270
Corpus Christi TX . . . . .	1,950	9,290	4,930	20	110	80	20
Dallas TX . . . . .	24,900	13,990	276,410	130	760	600	1,250
Denver CO . . . . .	13,250	13,380	168,700	100	580	460	750
El Paso TX . . . . .	3,700	10,000	14,560	30	160	120	70
Fort Worth TX . . . . .	13,100	12,240	117,380	100	580	440	530
Houston TX . . . . .	32,000	14,880	429,990	150	860	660	1,920
Phoenix AZ . . . . .	9,800	13,800	198,790	100	560	420	870
Salt Lake City UT . . . . .	6,060	11,330	25,670	30	170	130	110
San Antonio TX . . . . .	10,700	11,380	78,930	70	400	290	350
Western cities . . . . .	29,020	15,660	414,500	120	710	560	1,850
Honolulu HI . . . . .	5,500	13,920	68,450	100	540	450	310
Los Angeles CA . . . . .	113,950	20,810	1,921,250	160	920	710	8,540
Portland OR . . . . .	8,350	13,920	93,830	90	480	390	420
Sacramento CA . . . . .	10,280	12,770	84,680	70	410	310	380
San Bernardino-Riverside, CA . . . . .	15,220	16,280	233,640	180	1,090	790	1,040
San Diego CA . . . . .	27,750	15,900	168,020	70	380	300	770
San Fran-Oak CA . . . . .	42,750	17,560	662,420	170	950	780	2,980
San Jose CA . . . . .	16,650	13,650	196,300	130	750	580	880
Seattle-Everett WA . . . . .	20,700	16,110	301,900	160	840	720	1,350

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

**No. 1017. Motor Vehicle Accidents—Number and Deaths: 1972 to 1995**

ITEM	Unit	1972	1980	1985	1990	1991	1992	1993	1994	1995
		<sup>1</sup>								
Motor vehicle accidents <sup>2</sup>	Million	17.0	17.9	19.3	11.5	11.3	(NA)	11.9	11.2	10.7
Cars	Million	24.5	22.8	25.6	14.3	13.7	(NA)	14.1	13.5	12.3
Trucks	Million	3.5	5.5	6.1	4.4	4.7	(NA)	5.9	5.2	4.5
Motorcycles	1,000	343	560	480	180	239	(NA)	187	178	152
Motor vehicle deaths within 1 yr. <sup>3</sup>	1,000	56.3	53.2	45.9	46.8	43.5	41.0	41.9	42.7	43.9
Noncollision accidents	1,000	15.8	14.7	12.6	4.9	4.7	4.1	4.2	4.3	4.4
Collision accidents:										
With other motor vehicles	1,000	23.9	23.0	19.9	19.9	18.2	17.6	18.3	19.3	19.4
With pedestrians	1,000	10.3	9.7	8.5	7.3	6.6	6.3	6.4	5.9	6.3
With fixed objects	1,000	3.9	3.7	3.2	13.1	12.6	11.7	11.5	11.8	12.3
Deaths within 30 days <sup>4</sup>	1,000	54.6	51.1	43.8	44.6	41.5	39.3	40.2	40.7	41.8
Vehicle occupants	1,000	41.4	36.8	31.5	33.9	31.9	30.5	31.1	32.0	33.1
Pedestrians	1,000	9.2	8.1	6.8	6.5	5.8	5.5	5.6	5.5	5.6
Motorcyclists <sup>5</sup>	1,000	3.0	5.1	4.6	3.2	2.8	2.4	2.4	2.3	2.2
Bicyclists	1,000	1.0	1.0	0.9	0.9	0.8	0.7	0.8	0.8	0.8
Traffic death rates: <sup>4 6</sup>										
Per 100,000 resident population	Rate	26.2	22.5	18.4	17.9	16.5	15.4	15.6	15.6	15.9
Per 100,000 registered vehicles	Rate	44.5	34.8	24.8	23.1	22.3	21.2	21.3	21.2	21.3
Per 100 million vehicle miles	Rate	4.3	3.3	2.5	2.1	1.9	1.7	1.7	1.7	1.7
Per 100,000 licensed drivers	Rate	46.1	35.2	27.9	26.7	24.6	22.7	23.2	23.2	23.6
Motor vehicle accidents <sup>7</sup>	Million	24.9	24.1	32.5	33.4	31.3	31.8	32.8	33.9	34.5
Injuries <sup>7 8</sup>	1,000	5,190	5,230	5,044	5,560	5,285	5,445	5,675	5,885	6,025
Economic loss <sup>7 8</sup>	Bil. dol.	28.7	57.1	76.0	95.9	93.8	98.1	104.1	110.5	115.6

NA Not available. <sup>1</sup> Represents peak year for deaths from motor vehicle accidents. <sup>2</sup> Covers only accidents occurring on the road. <sup>3</sup> Deaths that occur within 1 year of accident. Includes collision categories not shown separately. <sup>4</sup> Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. <sup>5</sup> Includes motor scooters and motorized bicycles (mopeds). <sup>6</sup> Based on 30-day definition of traffic deaths. <sup>7</sup> 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. <sup>8</sup> 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. 1018. Motor Vehicle Deaths, by State: 1990 to 1995**

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

REGION DIVISION STATE	1990	1993	1994	1995	MILEAGE RATE <sup>1</sup>		REGION DIVISION STATE	1990	1993	1994	1995	MILEAGE RATE <sup>1</sup>	
					1990	1995						1990	1995
U.S. . . . .	47,151	42,200	42,700	43,900	2.2	1.8	DC . . . . .	91	(NA)	-	-	2.7	(NA)
Northeast	6,610	5,391	5,057	5,172	(NA)	(NA)	VA . . . . .	1,091	875	930	900	1.8	1.3
N.E. . . . .	1,617	1,310	1,197	1,248	(NA)	(NA)	WV . . . . .	502	435	356	376	3.3	2.2
ME . . . . .	215	186	188	189	1.8	1.5	NC . . . . .	1,489	1,384	1,431	1,438	2.4	2.0
NH . . . . .	154	122	119	118	1.6	1.1	SC . . . . .	987	845	847	882	2.9	2.3
VT . . . . .	94	112	77	106	1.6	1.7	GA . . . . .	1,659	1,407	1,438	1,494	2.3	1.8
MA . . . . .	655	474	440	448	1.4	0.9	FL . . . . .	3,049	2,693	2,735	2,812	2.8	2.3
RI . . . . .	104	74	63	69	1.5	1.0	E.S.C. . . . .	4,259	3,879	3,880	4,075	(NA)	(NA)
CT . . . . .	395	342	310	318	1.5	1.1	KY . . . . .	850	875	791	856	2.5	2.1
M.A. . . . .	4,993	4,081	3,860	3,924	(NA)	(NA)	TN . . . . .	1,312	1,175	1,214	1,240	2.8	2.2
NY . . . . .	2,318	1,764	1,658	1,668	2.2	1.4	AL . . . . .	1,234	1,016	1,083	1,111	2.9	2.2
NJ . . . . .	908	787	761	776	1.5	1.3	MS . . . . .	863	813	792	868	3.5	3.0
PA . . . . .	1,767	1,530	1,441	1,480	2.1	1.6	W.S.C. . . . .	5,713	5,175	5,286	5,357	(NA)	(NA)
Midwest . . . . .	10,248	8,719	9,201	9,340	(NA)	(NA)	AR . . . . .	625	583	611	631	3.0	2.5
E.N.C. . . . .	6,913	5,884	6,035	6,182	(NA)	(NA)	LA . . . . .	1,023	883	838	880	2.7	2.3
OH . . . . .	1,708	1,484	1,371	1,357	2.0	1.4	OK . . . . .	684	672	695	674	2.1	1.8
IN . . . . .	1,097	891	979	960	2.0	1.5	TX . . . . .	3,381	3,037	3,142	3,172	2.1	1.7
IL . . . . .	1,650	1,392	1,554	1,589	2.0	1.7	West . . . . .	10,561	8,245	8,744	9,055	(NA)	(NA)
MI . . . . .	1,633	1,414	1,419	1,537	2.0	1.8	Mt . . . . .	3,379	2,908	3,179	3,451	(NA)	(NA)
WI . . . . .	825	703	712	739	1.9	1.4	MT . . . . .	225	194	202	215	2.7	2.3
W.N.C. . . . .	3,335	2,835	3,166	3,158	(NA)	(NA)	ID . . . . .	259	233	249	263	2.6	2.2
MN . . . . .	644	538	644	597	1.7	1.4	WY . . . . .	130	120	144	170	2.2	2.5
IA . . . . .	481	437	478	527	2.1	2.0	CO . . . . .	583	561	585	645	2.1	1.9
MO . . . . .	1,174	949	1,089	1,110	2.3	1.9	NM . . . . .	534	433	447	485	3.3	2.3
ND . . . . .	128	89	88	74	2.2	1.1	AZ . . . . .	947	801	915	1,040	2.7	2.6
SD . . . . .	166	140	154	158	2.4	2.0	UT . . . . .	296	303	343	321	2.0	1.7
NE . . . . .	289	254	271	254	2.1	1.6	NV . . . . .	405	263	294	312	4.0	2.4
KS . . . . .	453	428	442	438	2.0	1.7	Pac . . . . .	7,182	5,337	5,565	5,604	(NA)	(NA)
South . . . . .	19,732	17,478	17,671	18,139	(NA)	(NA)	WA . . . . .	875	661	641	654	2.0	1.4
S.A. . . . .	9,760	8,424	8,505	8,707	(NA)	(NA)	OR . . . . .	608	522	491	572	2.3	1.9
DE . . . . .	151	113	112	123	2.3	1.7	CA . . . . .	5,411	3,903	4,226	4,165	2.1	1.5
MD . . . . .	741	672	656	682	1.8	1.5	AK . . . . .	102	117	85	86	2.6	2.0
							HI . . . . .	186	134	122	127	2.3	1.6

- Represents zero. NA Not available. <sup>1</sup> Deaths per 100 million vehicle miles.

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

**No. 1019. Fatal Motor Vehicle Accidents—National Summary: 1980 to 1995**

[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	1990	1991	1992	1993	1994	1995
<b>Fatal accidents, total</b> . . . . .	<b>45,284</b>	<b>39,196</b>	<b>39,836</b>	<b>36,937</b>	<b>34,942</b>	<b>35,780</b>	<b>36,254</b>	<b>37,221</b>
One vehicle involved . . . . .	29,306	22,875	23,445	21,910	20,388	20,569	20,526	21,245
Two or more vehicles involved . . . . .	16,978	16,321	16,391	15,027	14,554	15,211	15,728	15,976
<b>Persons killed in fatal accidents</b> . . . . .	<b>51,091</b>	<b>43,825</b>	<b>44,599</b>	<b>41,508</b>	<b>39,250</b>	<b>40,150</b>	<b>40,716</b>	<b>41,798</b>
Occupants <sup>1</sup> . . . . .	41,927	36,043	37,134	34,740	32,880	33,574	34,318	35,274
Drivers . . . . .	28,816	25,337	25,750	23,930	22,584	23,142	23,691	24,398
Passengers . . . . .	12,972	10,619	11,276	10,688	10,211	10,361	10,518	10,759
Nonmotorists <sup>1</sup> . . . . .	9,164	7,782	7,465	6,768	6,370	6,576	6,398	6,524
Pedestrians . . . . .	8,070	6,808	6,482	5,801	5,549	5,649	5,489	5,585
Pedalcyclists . . . . .	965	890	859	843	723	816	802	830
<b>Occupant fatalities by type of vehicle, total</b> . . . . .	<b>41,927</b>	<b>36,043</b>	<b>37,134</b>	<b>34,740</b>	<b>32,880</b>	<b>33,574</b>	<b>34,318</b>	<b>35,274</b>
Passenger cars <sup>1</sup> . . . . .	27,449	23,212	24,092	22,385	21,387	21,566	21,997	22,358
Mini-compact . . . . .	3,141	3,571	3,556	3,039	2,714	2,635	2,339	2,163
Subcompact . . . . .	4,158	4,422	4,753	4,655	4,314	4,333	4,721	4,488
Compact . . . . .	927	2,635	5,310	5,338	5,354	5,707	6,322	6,767
Intermediate . . . . .	3,878	4,391	4,849	4,681	4,418	4,483	4,407	4,583
Full size . . . . .	4,831	2,974	2,386	2,073	2,120	2,067	2,074	2,074
Largest size . . . . .	6,746	3,612	2,249	1,967	1,676	1,608	1,486	1,270
Motorcycles . . . . .	4,961	4,417	3,129	2,703	2,291	2,336	2,190	2,108
Other motorized cycles . . . . .	183	147	115	103	104	113	130	113
Multipurpose vehicles . . . . .	895	855	1,214	1,476	1,335	1,521	1,757	1,931
Light trucks . . . . .	6,591	5,834	7,387	6,915	6,763	6,990	7,147	7,608
Pickup . . . . .	5,483	4,640	5,979	5,671	5,385	5,538	5,574	5,928
Van . . . . .	1,000	791	1,154	1,154	1,292	1,365	1,508	1,625
Medium trucks . . . . .	285	157	134	115	99	90	109	97
Heavy trucks . . . . .	977	820	571	546	486	515	561	547
Buses . . . . .	46	57	32	31	28	18	18	32
<b>Persons involved in fatal accidents</b> . . . . .	<b>113,289</b>	<b>104,045</b>	<b>107,777</b>	<b>99,369</b>	<b>95,691</b>	<b>97,589</b>	<b>98,945</b>	<b>101,931</b>
Occupants <sup>1</sup> . . . . .	103,049	95,482	99,297	91,707	88,367	90,150	91,644	94,465
Drivers . . . . .	62,957	57,883	58,893	54,391	51,901	53,401	54,549	56,155
Passengers . . . . .	39,892	37,477	40,229	37,108	36,330	36,599	36,898	38,104
Nonoccupants . . . . .	10,240	8,563	8,480	7,662	7,324	7,439	7,301	7,466
Vehicle miles traveled (VMT) (100 million) . . . . .	15,273	17,742	21,444	21,721	22,471	22,967	23,576	24,228
Licensed drivers (1,000) . . . . .	145,295	156,868	167,015	168,995	173,125	173,149	175,403	177,432
Registered vehicles (1,000) . . . . .	161,490	177,098	192,915	192,314	194,427	198,041	201,802	205,297
Fatalities by road type . . . . .	(NA)	(NA)	44,599	41,508	39,250	(NA)	(NA)	(NA)
Interstate . . . . .	4,427	4,148	4,993	4,574	4,350	(NA)	(NA)	(NA)
Federal-aid primary . . . . .	(NA)	14,526	14,203	13,158	12,052	(NA)	(NA)	(NA)
Federal-aid secondary . . . . .	(NA)	6,429	6,892	6,249	5,849	(NA)	(NA)	(NA)
Federal-aid urban . . . . .	(NA)	8,116	8,432	7,511	6,582	(NA)	(NA)	(NA)
Non-Federal-aid . . . . .	(NA)	10,408	10,039	9,924	8,826	(NA)	(NA)	(NA)
Fatal accidents by the highest blood alcohol concentration (BAC) in accident:								
0.00 percent . . . . .	(NA)	48.5	50.6	52.1	54.5	56.5	59.3	58.7
0.01 to 0.09 percent . . . . .	(NA)	10.3	9.7	9.4	9.1	8.5	8.5	8.9
0.10 percent and over . . . . .	(NA)	41.2	39.7	38.5	36.4	35.0	32.2	32.5
<b>Rates:</b>								
Fatality rate by age group:								
Under 5 years old . . . . .	6.9	5.2	4.9	4.6	4.5	4.5	4.8	4.3
5 years to 15 years old . . . . .	8.7	7.4	6.4	6.1	5.9	5.8	6.0	5.9
16 years to 24 years old . . . . .	46.0	37.1	35.2	33.0	29.5	30.2	30.8	30.9
25 years to 44 years old . . . . .	24.6	19.6	19.7	17.7	16.6	16.9	16.3	17.2
45 years to 64 years old . . . . .	17.2	14.5	14.9	13.5	13.1	13.0	13.3	13.6
65 years to 79 years old . . . . .	19.6	18.0	18.8	18.0	17.9	17.9	18.7	18.5
80 years old and over . . . . .	25.3	25.1	26.8	26.9	26.0	28.0	28.2	28.2
Fatalities per 100 million VMT . . . . .	3.3	2.5	2.1	1.9	1.8	1.7	1.7	1.7
Fatalities per 100,000 licensed drivers . . . . .	35.2	27.9	26.7	24.6	22.7	23.2	23.2	23.7
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	11,107	11,294	11,558	12,189	11,683	11,801
Fatalities per 100,000 registered vehicles . . . . .	31.6	24.8	23.1	21.6	20.2	21.3	20.2	21.3
Fatal crashes per 100 million VMT . . . . .	2.9	2.2	1.9	1.7	1.6	1.6	1.5	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	17.9	16.5	15.4	15.6	15.6	15.9

NA Not available. <sup>1</sup> Includes items not shown separately.

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

**No. 1020. Motor Vehicle Occupants and Non-Occupants Killed and Injured: 1985 to 1995**

[Vehicle occupants accounted for almost 84 percent of traffic fatalities in 1995. The remaining 16 percent were pedestrians, pedalcyclists, and other non-occupants]

YEAR	Total	OCCUPANTS						NON-OCCUPANTS			
		Total	Pas-senger cars	Light trucks	Motor-cycles	Buses	Other/unknown	Total	Ped-estrian	Pedal-cyclist	Other
<b>KILLED</b>											
1985	43,825	36,043	23,212	6,689	4,564	57	544	7,782	6,808	890	84
1986	46,087	38,234	24,944	7,317	4,566	39	442	7,853	6,779	941	133
1987	46,390	38,565	25,132	8,058	4,036	51	436	7,825	6,745	948	132
1988	47,087	39,170	25,808	8,306	3,662	54	429	7,917	6,870	911	136
1989	45,582	38,087	25,063	8,551	3,141	50	424	7,495	6,556	832	107
1990	44,599	37,134	24,092	8,601	3,244	32	460	7,465	6,482	859	124
1991	41,508	34,740	22,385	8,391	2,806	31	466	6,768	5,801	843	124
1992	39,250	32,880	21,387	8,098	2,395	28	387	6,370	5,549	723	98
1993	40,150	33,574	21,566	8,511	2,449	18	425	6,576	5,649	816	111
1994	40,716	34,318	21,997	8,904	2,320	18	409	6,398	5,489	802	107
1995	41,798	35,274	22,358	9,539	2,221	32	480	6,524	5,585	830	109
<b>INJURED</b>											
1988	3,416,000	3,224,000	2,585,000	478,000	105,000	15,000	4,000	192,000	110,000	75,000	8,000
1989	3,284,000	3,088,000	2,431,000	511,000	83,000	15,000	5,000	196,000	112,000	73,000	11,000
1990	3,231,000	3,044,000	2,376,000	505,000	84,000	33,000	4,000	187,000	105,000	75,000	7,000
1991	3,097,000	2,931,000	2,235,000	563,000	80,000	21,000	4,000	166,000	88,000	67,000	11,000
1992	3,070,000	2,908,000	2,232,000	545,000	65,000	20,000	12,000	162,000	89,000	63,000	10,000
1993	3,125,000	2,958,000	2,257,000	590,000	58,000	17,000	4,000	166,000	93,000	65,000	9,000
1994	3,215,000	3,056,000	2,332,000	619,000	56,000	15,000	3,000	159,000	90,000	60,000	9,000
1995	3,386,000	3,232,000	2,416,000	709,000	55,000	18,000	4,000	154,000	84,000	61,000	9,000

U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts 1995, Overview*.

**No. 1021. Traffic Fatalities in Crashes Involving a Medium/Heavy Truck, by State: 1994**

[Medium/heavy trucks represents trucks over 10,000 pounds GVW, including single unit trucks]

STATE	Total	Occu-pant fatalities med/ heavy trucks	Occu-pant fatalities other vehicles	Non-occu-pant fatalities	STATE	Total	Occu-pant fatalities med/ heavy trucks	Occu-pant fatalities other vehicles	Non-occu-pant fatalities
United States	5,112	663	3,988	461	Montana	20	5	14	1
Alabama	170	24	139	7	Nebraska	52	7	41	4
Alaska	5	-	3	2	Nevada	28	1	20	7
Arizona	93	9	71	13	New Hampshire	8	2	5	1
Arkansas	91	10	79	2	New Jersey	81	7	68	6
California	386	69	275	42	New Mexico	44	7	27	10
Colorado	61	9	49	3	New York	205	18	137	50
Connecticut	27	4	15	8	North Carolina	206	19	168	19
Delaware	11	1	10	-	North Dakota	9	1	8	-
District of Columbia	2	1	-	1	Ohio	220	28	178	14
Florida	307	33	236	38	Oklahoma	84	17	65	2
Georgia	214	24	178	12	Oregon	64	15	43	6
Hawaii	5	-	5	-	Pennsylvania	221	26	172	23
Idaho	38	8	30	-	Rhode Island	6	1	3	2
Illinois	178	14	146	18	South Carolina	104	12	84	8
Indiana	147	24	110	13	South Dakota	17	3	12	2
Iowa	77	3	69	5	Tennessee	145	18	118	9
Kansas	60	13	46	1	Texas	411	66	311	34
Kentucky	109	8	97	4	Utah	32	6	23	3
Louisiana	117	13	95	2	Vermont	10	1	8	1
Maine	27	-	25	9	Virginia	131	21	96	14
Maryland	76	10	60	6	Washington	54	10	36	8
Massachusetts	45	9	30	6	West Virginia	61	8	48	5
Michigan	186	18	151	17	Wisconsin	111	11	93	7
Minnesota	88	5	78	5	Wyoming	22	6	15	1
Mississippi	98	19	76	3					
Missouri	148	19	122	7					

- Represents zero

U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts 1994*.

### No. 1022. Speeding-Related Traffic Fatalities and Costs by Road Type and Speed Limit: 1995

[Includes fatalities that occurred on roads for which the speed limit was unknown. Includes costs for crashes that occurred on unknown road types. Totals may not equal sum of components due to independent rounding]

STATE	Traffic fatalities, total	SPEEDING-RELATED FATALITIES BY ROAD TYPE AND SPEED							
		Interstate		Non-Interstate					
		Over 55 mph	55 mph	55 mph	50 mph	45 mph	40 mph	35 mph	Under 35 mph
United States	41,798	855	684	5,614	518	1,369	729	1,405	1,430
Alabama	1,113	25	5	208	12	39	34	36	20
Alaska	87	-	12	5	3	5	2	3	-
Arizona	1,031	39	14	62	24	59	42	46	39
Arkansas	631	6	5	110	3	24	13	10	16
California	4,192	115	147	678	76	120	109	211	150
Colorado	645	33	11	75	17	21	22	38	41
Connecticut	317	-	14	4	7	8	16	12	36
Delaware	121	-	1	7	10	2	-	4	4
District of Columbia	58	-	-	-	-	-	-	-	20
Florida	2,805	46	15	177	16	141	52	75	90
Georgia	1,488	13	15	161	7	74	11	44	31
Hawaii	130	-	1	4	-	5	2	28	16
Idaho	262	8	1	39	13	5	2	16	5
Illinois	1,586	24	41	255	2	22	8	8	120
Indiana	960	20	8	10	3	-	-	1	2
Iowa	527	2	-	33	10	2	-	6	11
Kansas	442	7	5	63	2	9	3	10	20
Kentucky	849	24	8	139	1	14	1	17	4
Louisiana	883	10	11	92	4	29	10	43	12
Maine	187	1	-	10	13	18	3	7	3
Maryland	671	1	5	16	15	7	19	12	35
Massachusetts	444	1	18	5	4	3	10	23	38
Michigan	1,530	23	23	225	11	31	7	34	56
Minnesota	597	3	7	94	4	4	4	4	31
Mississippi	868	15	1	55	11	15	6	11	5
Missouri	1,109	21	22	272	5	21	16	36	28
Montana	215	7	-	55	3	-	1	1	1
Nebraska	254	3	-	18	20	3	1	2	9
Nevada	313	27	5	40	7	15	5	27	20
New Hampshire	118	1	3	2	5	2	2	3	9
New Jersey	773	-	4	2	18	8	8	3	16
New Mexico	485	32	5	38	6	21	12	24	25
New York	1,674	7	21	196	19	31	35	22	118
North Carolina	1,448	26	11	344	3	107	3	67	10
North Dakota	74	1	-	16	-	-	1	-	1
Ohio	1,366	13	14	184	9	26	13	48	28
Oklahoma	669	19	20	200	10	26	20	16	15
Oregon	572	10	7	113	1	13	7	16	11
Pennsylvania	1,480	14	37	177	13	101	58	109	47
Rhode Island	69	-	2	1	2	1	3	5	10
South Carolina	881	27	7	194	8	97	13	41	20
South Dakota	158	5	3	39	4	2	1	1	5
Tennessee	1,259	19	10	117	16	73	39	39	39
Texas	3,181	105	100	645	27	81	75	111	115
Utah	326	18	14	1	1	5	5	3	8
Vermont	106	4	-	-	21	1	3	5	6
Virginia	900	21	14	153	3	33	6	24	17
Washington	653	17	12	59	46	15	9	59	30
West Virginia	376	12	-	57	1	11	7	19	13
Wisconsin	745	5	5	114	2	14	6	24	16
Wyoming	170	25	-	50	-	5	4	1	8

- Represents or rounds to zero.

U.S. National Highway Traffic Safety Administration, *Traffic Safety Facts 1995, Speeding.*

### No. 1023. 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 <sup>2</sup>	
				Number	Rate <sup>1</sup>	Number (1,000)	Rate <sup>1</sup>	Number	Rate <sup>1</sup>
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
<b>1994, total</b>	<b>3,907</b>	<b>2,360</b>	<b>1,655</b>	<b>36,223</b>	<b>1.53</b>	<b>(NA)</b>	<b>(NA)</b>	<b>40,676</b>	<b>1.72</b>
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. <sup>1</sup> Rate per 100 million vehicle miles of travel. <sup>2</sup> 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. 1024. Motor Vehicle Safety Defect Recalls, by Domestic and Foreign Manufacturers: 1980 to 1996

[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	1989	1990	1991	1992	1993	1994	1995	1996
Motor vehicles:											
Total recall campaigns <sup>1</sup>	Number	167	173	237	208	220	187	221	244	266	265
Domestic	Number	129	137	182	159	168	142	178	178	190	197
Foreign	Number	38	36	55	49	52	45	43	66	76	68
Total vehicles recalled	1,000	4,868	5,629	7,137	5,985	8,279	10,122	10,922	6,063	18,295	17,084
Domestic	1,000	3,943	4,995	6,173	4,070	6,646	6,545	7,655	4,280	9,041	15,104
Foreign	1,000	925	634	964	1,915	1,633	3,577	3,267	1,784	9,259	1,980
Motor vehicle tires:											
Recall campaigns <sup>1</sup>	Number	24	19	11	13	12	7	5	5	3	1
Tires recalled	1,000	7,070	28	115	172	153	8	6	93	10	6

<sup>1</sup> 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. 1025. Cost of Owning and Operating an Automobile: 1980 to 1996

ITEM	Unit	1980	1985	1990	1992	1993	1994	1995	1996
Cost per mile <sup>1</sup>	Cents	27.95	27.20	40.96	45.77	45.14	46.65	48.91	51.43
Cost per 10,000 miles	Dollars	2,795	2,720	4,096	4,577	4,514	4,665	4,891	5,143
Variable cost	Cents/mile	7.62	8.04	8.40	9.10	9.30	9.20	10.00	10.10
Gas and oil	Cents/mile	5.86	6.16	5.40	6.00	6.00	5.60	6.00	5.90
Maintenance	Cents/mile	1.12	1.23	2.10	2.20	2.40	2.50	2.60	2.80
Tires	Cents/mile	0.64	0.65	0.90	0.90	0.90	1.10	1.40	1.40
Fixed cost	Dollars	2,033	2,441	3,877	4,538	4,486	4,584	4,755	4,997
Insurance	Dollars	490	503	675	747	724	697	716	782
License and registration	Dollars	82	115	165	179	183	204	211	229
Depreciation	Dollars	1,038	1,253	2,357	2,780	2,883	2,988	3,099	3,208
Finance charge	Dollars	423	570	680	832	696	695	729	778

<sup>1</sup> Beginning 1985, not comparable to previous data.

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



No. 1026. State Legislation—Alcohol and Road Safety Laws: Various Years

STATE	ALCOHOL LEGISLATION				MANDATORY BELT USE LAW		Motor-cycle helmet <sup>5</sup> law	Work zone speed law	1995/96 Speed limit changes: Road types affected <sup>6</sup>
	Administrative license revocation since <sup>1</sup>	BAC limit <sup>2</sup>	Zero tolerance limit for minors <sup>3</sup>	Alcohol ignition interlock device <sup>4</sup>	Enforcement	Seating positions			
Alabama	No	.10	No	No	Secondary	Front	Yes	Yes	1, 2
Alaska	5/83	.10	(NA)	No	Secondary	All	18	No	No change
Arizona	1992	.10	.00	Yes	Secondary	Front	18	No	3
Arkansas	3/95	.10	.02	Yes	Secondary	Front	Yes	(NA)	No change
California	1989	.08	.01	Yes	Primary	All	No	Yes	4
Colorado	Yes	.10	No	Yes	Secondary	7 Front	18	Yes	(NA)
Connecticut	1/90	.10	.02	No	Primary	7 Front	18	8 No	No change
Delaware	Yes	.10	.02	Yes	Secondary	Front	9 10 19	Yes	1
District of Columbia	Yes	.10	.00	No	Secondary	11 Front	Yes	Yes	No change
Florida	Yes	.08	No	Yes	Secondary	Front	Yes	Yes	5
Georgia	(NA)	.10	.04	Yes	Secondary	Front	Yes	Yes	1
Hawaii	6/90	.08	No	No	Primary	Front	18	No	No change
Idaho	7/94	.10	.02	Yes	Secondary	Front	18	No	1
Illinois	1/86	.10	.00	Yes	Secondary	Front	No	Yes	6
Indiana	Yes	.10	.02	Yes	Secondary	Front	18	Yes	No change
Iowa	(NA)	.10	.02	Yes	Primary	Front	No	8 No	No change
Kansas	1988	.08	No	Yes	Secondary	Front	18	Yes	7
Kentucky	No	.10	.02	No	Secondary	All	Yes	No	No change
Louisiana	1/84	.10	12.04	Yes	Primary	Front	9 14 15	No	No change
Maine <sup>13</sup>	(NA)	.08	(NA)	No	(NA)	(NA)	9 14 15	(NA)	No change
Maryland	5/89	15 .10	.01	Yes	Secondary	7 11 Front	Yes	No	No change
Massachusetts <sup>13</sup>	(NA)	.10	(NA)	No	Secondary	7 Front	All Yes	(NA)	No change
Michigan	No	.10	.02	Yes	Secondary	7 Front	Yes	Yes	No change
Minnesota	1976	.10	.01	No	Secondary	7 Front	9 18	Yes	No change
Mississippi	No	.10	.08	No	Secondary	Front	Yes	Yes	1, 2
Missouri	1987	.10	No	No	Secondary	Front	Yes	Yes	2, 10
Montana	No	.10	.02	No	Secondary	All	18	Yes	All
Nebraska	1/93	.10	.02	Yes	Secondary	Front	Yes	No	1
Nevada	1983	.10	No	Yes	Secondary	All	Yes	No	1
New Hampshire	1/94	.08	.01	No	(NA)	(NA)	18	Yes	1
New Jersey	(NA)	.10	.01	No	Secondary	Front	Yes	8 No	No change
New Mexico <sup>13</sup>	(NA)	.08	.02	No	Primary	Front	18	(NA)	(NA)
New York	11/94	16 .10	(NA)	17 Yes	Primary	7 Front	Yes	(NA)	1
North Carolina	1983	.08	No	Yes	Primary	Front	Yes	Yes	8
North Dakota	1983	.10	No	No	Secondary	Front	14 18	Yes	No change
Ohio	9/93	.10	.02	Yes	Secondary	Front	14 18	8 No	No change
Oklahoma	(NA)	.10	.00	Yes	Secondary	Front	18	Yes	9
Oregon	1983	.08	.00	Yes	Primary	All	Yes	No	No change
Pennsylvania	No	.10	No	No	Secondary	Front	Yes	Yes	10
Rhode Island	No	.10	.04	17 Yes	Secondary	All	Yes (18)	No	1
South Carolina	No	.10	No	No	Secondary	19 Front	21	Yes	No change
South Dakota	No	.10	No	No	Secondary	7 Front	18	Yes	1
Tennessee	No	.10	.02	Yes	Secondary	7 Front	Yes	Yes	2, 8
Texas	1995	.10	.07	17 Yes	Primary	Front	Yes	Yes	1
Utah	1983	.08	.00	Yes	Secondary	Front	18	(NA)	1
Vermont	16 Yes	.08	12 .02	No	Secondary	7 All	Yes	No	No change
Virginia	1/95	.08	.02	Yes	Secondary	Front	Yes	No	No change
Washington	206/94	.10	.02	Yes	Secondary	All	Yes	Yes	1
West Virginia	(NA)	.10	.02	Yes	Secondary	7 Front	Yes	Yes	No change
Wisconsin	1/88	21 .10	22 .00	17 Yes	Secondary	19 Front	9 18	Yes	1, 4
Wyoming	1973	.10	No	No	Secondary	Front	18	No	1, 4

NA Not available. <sup>1</sup>Year original law became effective, not when grandfather clauses expired. <sup>2</sup>Blood alcohol concentration that constitutes the threshold of legal intoxication. <sup>3</sup>Blood alcohol concentration that constitutes "zero tolerance" threshold for minors less than 21 years old unless noted. <sup>4</sup>Legislation for instruments designed to prevent drivers from starting their cars when breath alcohol content is at or above a set point. <sup>5</sup>Presence of law or age below which riders are required to wear helmet. <sup>6</sup>"1" means rural interstates; "2" means four-lane highways; "3" means rural highways; "4" means inter/intra state freeways; "5" means rural interstates/turnpikes; "6" means county and township roads with no posted speed limit; "7" means separate multilane highways designated/posted by secretary of transportation; "8" means interstates within municipal city limits; "9" means turnpikes; "10" means interstates outside urban areas of population 50,000 or more plus other where posted. <sup>7</sup>Required for certain ages at all seating positions. <sup>8</sup>No work zone speed law per se, but double fine for violation. <sup>9</sup>Plus instruction permit holders. <sup>10</sup>Helmet possession required by all. <sup>11</sup>Excluding front center seat. <sup>12</sup>Blood alcohol concentration that constitutes "zero tolerance" threshold for minors less than 18 years of age. <sup>13</sup>Data from 1994/1995. <sup>14</sup>Plus novice license holders. <sup>15</sup>BAC of .07 is prima facie evidence of DUI (MD); BAC of .05-.10 constitutes driving while ability impaired (NY). <sup>16</sup>Revocation by judicial action (NY) or Dept. of Motor Vehicles (VT). <sup>17</sup>For repeat offenders. <sup>18</sup>Operators under 21 for first offense; passengers. <sup>19</sup>Belt use required in rear seat if lap/shoulder belt is available. <sup>20</sup>Applies only to second DUI offense. <sup>21</sup>Different legal limit for repeat offenders. <sup>22</sup>Blood alcohol concentration that constitutes "zero tolerance" threshold for minors less than 19 years of age.

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

**No. 1027. 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	
<b>Total</b> . . . . .	<b>145,207</b>	<b>1,425</b>	<b>981</b>	<b>165,518</b>	<b>1,735</b>	<b>1,048</b>	<b>6.9</b>
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. 1028. Police-Reported Traffic Accidents, by Age Group: 1995**

[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 . . . . .	11,782,000	75,000	2,000,000	1,296,000	2,920,000	2,328,000	1,546,000	762,000	856,000
Percent male . . . . .	61	68	62	60	61	60	62	65	62
Percent female . . . . .	39	32	38	40	39	40	38	35	38
Percent alcohol-involved . . . . .	4	5	4	5	5	4	4	2	1
Passengers injured or killed . . . . .	3,269,000	339,000	569,000	353,000	699,000	544,000	345,000	190,000	230,000
Percent male . . . . .	48	47	48	52	50	47	46	45	43
Percent female . . . . .	52	53	52	48	50	53	54	55	57
Pedestrians injured or killed . . . . .	90,000	30,000	7,000	6,000	17,000	13,000	6,000	3,000	8,000
Percent during day . . . . .	60	69	56	49	49	48	56	62	81
Percent at night . . . . .	40	31	44	51	51	52	44	38	19
Pedalcyclists injured or killed . . . . .	63,000	29,000	8,000	6,000	7,000	7,000	3,000	1,000	2,000

Source: U.S. National Highway Traffic Safety Administration, *General Estimates System*, annual; and unpublished data.**No. 1029. 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]

YEAR	FUEL CONSUMPTION					AVG. FUEL CONSUMPTION PER VEHICLE (gal.)			AVG. MILES PER GALLON		
	All vehicles (bil. gal.)	Avg. annual percent change	Cars <sup>2</sup> (bil. gal.)	Buses <sup>3</sup> (bil. gal.)	Trucks <sup>4</sup> (bil. gal.)	Cars <sup>2</sup>	Buses <sup>3</sup>	Trucks <sup>4</sup>	Cars <sup>2</sup>	Buses <sup>3</sup>	Trucks <sup>4</sup>
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 . . . . .	<sup>3</sup> 137.2	3.1	73.6	0.9	26.0	559	1,447	4,249	21.0	6.5	6.2
1994 . . . . .	<sup>3</sup> 140.1	2.1	73.8	1.0	27.6	551	1,454	4,375	21.5	6.6	6.2

<sup>1</sup> From prior year, except 1970, change from 1965. <sup>2</sup> 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. <sup>3</sup> Includes school buses. <sup>4</sup> Includes combinations.

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

**No. 1030. 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 1970 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. Through 1992, the truck category included "other 2-axle, 4-tire vehicles" (vans, pickups and sport/utility vehicles); thereafter, these vehicles excluded from the truck category]

YEAR	VEHICLE-MILES OF TRAVEL (bil.)				AVG. MILES PER VEHICLE (1,000)			MOTOR VEHICLE SPEED ON RURAL INTERSTATE				
	Total	Cars <sup>1</sup>	Buses	Trucks	Passenger vehicles		Trucks	Citations recorded (1,000) <sup>2</sup>	Avg. speed (miles per hour)	Percent of vehicles exceeding—		
					Cars <sup>1</sup>	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. <sup>1</sup> Includes motorcycles. <sup>2</sup> Citations issued for 55 mph violations.

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

**No. 1031. Passenger Transit Industry—Summary: 1985 to 1995**

[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	1990	1991	1992	1993	1994	1995
Operating systems	Number	4,972	5,078	5,084	5,086	5,088	5,973	5,973
Motor bus systems	Number	2,631	2,688	2,689	2,693	1,934	2,250	2,250
Passenger vehicles owned <sup>1</sup>	Number	94,368	92,961	96,399	102,251	107,316	115,943	114,624
Motor bus	Number	64,258	58,714	60,377	63,080	64,850	68,123	67,086
Trolley bus	Number	676	832	752	907	851	877	885
Heavy rail	Number	9,326	10,419	10,331	10,245	10,261	10,138	10,157
Light rail	Number	717	913	1,095	1,058	1,025	1,054	999
Commuter rail	Number	4,035	4,415	4,370	4,413	4,494	4,517	4,565
Demand response	Number	14,490	16,471	17,879	20,695	23,527	28,729	28,233
Operating funding, total	Mil. dol	12,195	16,053	16,533	16,915	17,276	17,968	17,630
Passenger funding	Mil. dol	4,575	5,891	6,037	6,152	6,351	6,756	6,850
Other operating funding <sup>2</sup>	Mil. dol	702	895	767	646	764	2,271	2,362
Operating assistance	Mil. dol	6,918	9,267	9,729	10,117	10,161	8,941	8,418
Federal	Mil. dol	940	970	956	969	966	916	735
Local	Mil. dol	<sup>3</sup> 5,979	5,327	5,573	5,268	5,491	4,171	3,871
State	Mil. dol	<sup>3</sup> 2,970	2,970	3,200	3,898	3,704	3,854	3,812
Total expense	Mil. dol	14,077	17,979	19,332	20,034	20,679	21,653	21,785
Operating expense	Mil. dol	12,381	15,742	16,541	16,781	17,350	17,920	18,052
Vehicle operations	Mil. dol	5,655	6,654	6,727	7,660	7,941	8,212	8,505
Maintenance	Mil. dol	3,672	4,631	4,597	4,831	4,894	5,004	5,166
General administration	Mil. dol	2,505	3,450	3,585	2,674	2,714	2,752	2,716
Purchased transportation	Mil. dol	549	1,008	1,633	1,616	1,800	1,952	1,666
Reconciling expense	Mil. dol	1,696	2,237	2,791	3,253	3,329	3,733	3,733
Capital expenditure, Federal	Mil. dol	2,510	2,380	2,396	2,613	3,465	3,577	5,481
Vehicle-miles operated <sup>1</sup>	Mil. dol	2,791	3,242	3,306	3,355	3,435	3,467	3,532
Motor bus	Million	1,863	2,130	2,167	2,178	2,210	2,162	2,178
Trolley bus	Million	16	14	14	14	13	14	14
Heavy rail	Million	451	537	527	525	522	532	537
Light rail	Million	17	24	28	29	28	34	35
Commuter rail	Million	183	213	215	219	224	231	238
Demand response	Million	247	306	335	364	406	464	495
Passengers carried <sup>1</sup>	Million	8,636	8,799	8,575	8,501	8,217	7,949	7,869
Motor bus	Million	5,675	5,677	5,624	5,517	5,381	4,871	4,968
Trolley bus	Million	142	126	125	126	121	118	119
Heavy rail	Million	2,290	2,346	2,172	2,207	2,046	2,169	2,033
Light rail	Million	132	175	184	188	188	284	251
Commuter rail	Million	275	328	318	314	322	339	344
Demand response	Million	59	68	71	72	81	88	79
Avg. funding per passenger	Cents	53.0	66.9	70.4	72.4	77.3	85.0	87.1
Employees, number (avg.) <sup>4</sup>	1,000	270	273	276	279	299	304	308
Payroll, employee	Mil. dol	5,843	7,226	7,395	7,671	7,932	8,224	8,414
Fringe benefits, employee	Mil. dol	2,888	3,986	3,998	4,319	4,400	4,452	4,630

<sup>1</sup> Includes other not shown separately. <sup>2</sup> Includes other operating revenue, nonoperating revenue, and auxiliary income. <sup>3</sup> For 1985, State and local combined. <sup>4</sup> 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. 1032. Class I Intercity Motor Carriers of Passengers: 1980 to 1995

[Carriers subject to ICC regulations. See text, section 21. Minus sign (-) indicates deficit]

ITEM	Unit	1980	1985	1987	1988	1989	1990	1991	1992	1993	1994	1995
Carriers reporting <sup>1</sup>	Number.	48	43	32	21	20	21	21	21	21	20	20
Number of employees, average . . . . .	1,000 . .	31	24	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Compensation of employees . . . . .	Mil. dol .	599	518	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Operating revenue . . . . .	Mil. dol .	1,397	1,233	1,079	1,122	1,205	943	980	938	928	870	917
Passenger revenue <sup>2</sup> . . . . .	Mil. dol .	947	836	751	825	890	738	793	755	751	721	770
Special bus revenue and other . . . . .	Mil. dol .	215	184	165	155	165	90	187	183	177	149	147
Operating expenses . . . . .	Mil. dol .	1,318	1,168	1,081	1,059	1,133	1,015	967	874	880	919	899
Net operating revenue . . . . .	Mil. dol .	79	65	-2	63	72	(72)	13	64	48	-49	18
Ordinary income:												
Before income taxes . . . . .	Mil. dol .	107	65	-11	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
After income taxes . . . . .	Mil. dol .	90	53	-21	(NA)	12	-180	162	21	14	-67	9
Passenger vehicles in service <sup>2</sup> . . . . .	1,000 . .	8.6	8.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Vehicle-miles, passenger . . . . .	Million . .	781	567	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Revenue passengers carried . . . . .	Million . .	134	88	82	55	54	43	42	41	40	41	43
Expense per vehicle-mile . . . . .	Dollar . .	1.69	2.06	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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

Source: Through 1993, U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, part 2, annual, thereafter, Bureau of Transportation Statistics, *National Transportation Statistics*, annual.

### No. 1033. Passenger Transportation Arrangement: 1993 to 1995

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

SOURCE OF RECEIPTS	1993	1994	1995	OPERATING EXPENSES	1993	1994	1995
	Receipts, total <sup>1</sup> . . . . .	11,073	11,795		12,891	Expenses, total <sup>1</sup> . . . . .	10,136
Air carriers . . . . .	6,138	6,375	6,846	Payroll, annual . . . . . <sup>2</sup>	4,031	4,526	4,818
Water carriers . . . . .	528	584	663	Employer contributions . . . . .	558	628	663
Hotels and motels . . . . .	758	808	867	Lease and rental payments . . . . .	908	908	1,021
Motor coaches . . . . .	388	397	413	Advertising and promotion . . . . .	713	746	753
Railroads . . . . .	125	126	145	Taxes and licenses . . . . .	144	163	181
Rental cars . . . . .	189	204	242	Utilities . . . . .	386	388	412
Package tours . . . . .	2,158	2,425	2,634	Depreciation . . . . .	339	361	381
Other . . . . .	789	876	1,081	Office Supplies . . . . .	294	325	352
				Repair Services . . . . .	134	152	168
				Other . . . . .	2,629	2,692	2,806

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

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

### No. 1034. Motor Freight Transportation and Warehousing Services—Revenues, Expenses, and Payroll Expenses, and Payroll: 1994 and 1995

[In millions of dollars]

KIND OF BUSINESS	SIC <sup>1</sup> code	OPERATING REVENUE		OPERATING EXPENSES		ANNUAL PAYROLL	
		1994	1995	1994	1995	1994	1995
Motor frgt. transport. and warehousing services <sup>2</sup> . . . . .	42	167,865	176,259	156,227	165,089	46,137	49,347
Trucking and courier services, except by air <sup>3</sup> . . . . .	421	157,910	165,271	147,911	155,920	43,580	46,535
Local trucking without storage . . . . .	4212	39,400	41,393	36,444	38,677	9,193	9,853
Trucking, except local . . . . .	4213	91,971	95,814	87,078	91,883	24,658	26,590
Local trucking with storage . . . . .	4214	4,282	4,410	4,131	4,172	1,362	1,360
Courier services, except by air . . . . .	4215	22,257	23,654	20,258	21,188	8,367	8,732
Public warehousing and storage . . . . .	422	9,911	10,941	8,271	9,120	2,540	2,794
Farm product warehousing and storage . . . . .	4221	773	781	652	667	152	160
Refrigerated warehousing and storage . . . . .	4222	1,970	2,271	1,667	1,879	522	599
General warehousing and storage . . . . .	4225	4,652	5,060	3,803	4,183	1,170	1,278
Special warehousing and storage <sup>4</sup> . . . . .	4226	2,516	2,829	2,149	2,391	696	757

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

Source: U.S. Bureau of the Census, *Current Business Reports, 1995 Motor Freight Transportation and Warehousing Survey*.

No. 1035. Bus Profile: 1980 to 1995

ITEM	Unit	1980	1990	1993	1994	1995
<b>FINANCIAL</b>						
Expenditures, school bus . . . . .	Mil. dol. . . . .	3,833	7,605	7,618	7,847	9,082
Operating revenues, intercity buc, Class I . . . . .	Mil. dol. . . . .	1,397	943	928	958	1,195
Operating expenses, intercity bus, Class I . . . . .	Mil. dol. . . . .	1,318	1,026	880	996	1,257
<b>INVENTORY</b>						
Operating companies, intercity bus, Class I . . . . .	Number . . . . .	61	31	30	27	28
Vehicles:						
Commercial & Federal bus . . . . .	Number . . . . .	110,576	118,726	119,560	122,705	125,057
School & other bus . . . . .	Number . . . . .	418,225	508,261	534,872	547,718	560,447
<b>PERFORMANCE</b>						
Vehicle-miles, all buses:						
Rural & urban highway . . . . .	Millions . . . . .	6,059	5,719	6,126	6,409	6,383
School bus . . . . .	Millions . . . . .	3,000	3,800	4,300	4,400	5,000
Revenue:—						
Passenger miles, intercity bus . . . . .	Millions . . . . .	27,400	23,000	24,700	28,200	29,000
Passengers, intercity bus . . . . .	1,000 . . . . .	370,000	334,000	339,900	343,200	358,900
Avg. miles traveled per vehicle, all buses . . . . .	Miles . . . . .	11,458	9,121	9,361	9,560	9,311
Avg. annual fuel consumption, all buses . . . . .	Gallon . . . . .	1,926	1,428	1,447	1,462	1,406
Avg. miles per gallon, all buses . . . . .	Mpg . . . . .	6.0	6.4	6.5	6.5	6.6
Average revenue per passenger mile . . . . .	Cents . . . . .	7.3	11.6	12.0	11.6	11.6
<b>SAFETY</b>						
Fatalities:						
School bus related . . . . .	Number . . . . .	150	115	141	105	121
School bus occupants . . . . .	Number . . . . .	9	11	13	3	13
Other vehicle occupants . . . . .	Number . . . . .	88	64	86	64	71
Non-occupants . . . . .	Number . . . . .	53	40	42	38	37
Fatalities in vehicular accidents, all buses . . . . .	Number . . . . .	390	340	286	286	306
Occupant fatality rate:						
Per 100 million vehicle-miles, all buses . . . . .	Rate . . . . .	0.8	0.6	0.3	0.3	0.5
Per 10,000 registered vehicles, all buses . . . . .	Rate . . . . .	0.9	0.5	0.3	0.3	0.5

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

No. 1036. Truck Profile: 1980 to 1995

ITEM	Unit	1980	1990	1993	1994	1995
<b>FINANCIAL</b>						
Revenues:						
Local . . . . .						
Intercity . . . . .	Mil. dol . . . . .	(NA)	127,314	143,601	157,910	(NA)
Class I intercity motor carriers of property:						
Operating revenue, total . . . . .	Mil. dol . . . . .	1,290	46,710	55,303	(NA)	(NA)
Operating expenses, total . . . . .	Mil. dol . . . . .	29,012	118,968	135,144	147,911	(NA)
<b>INVENTORY</b>						
Truck registrations, total . . . . .	1,000 . . . . .	33,667	44,718	61,828	63,445	64,778
<b>PERFORMANCE</b>						
Vehicle miles, total . . . . .	Millions . . . . .	399,426	615,902	733,302	839,537	865,137
Average miles traveled per vehicle:						
All trucks, total . . . . .	Avg. miles . . . . .	11,864	13,773	11,860	13,232	13,355
Ton-miles, intercity . . . . .	Millions . . . . .	555,000	735,000	861,000	908,000	921,000
Average fuel consumption per vehicle . . . . .	Gallons . . . . .	1,243	1,290	1,010	1,137	1,139
Highway-user taxes, total . . . . .	Mil. dol . . . . .	9,888	19,356	22,255	23,836	(NA)
<b>SAFETY</b>						
Occupant fatalities . . . . .	Number . . . . .	8,748	9,306	9,116	9,574	10,183
Vehicle involvement, total (per 100 million vehicle-miles) . . . . .	Rate . . . . .	4.5	2.9	2.4	2.4	(NA)

NA Not available.

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

### No. 1037. Trucking and Courier Services—Operating Revenue, Operating Expenses, and Equipment, by Type of Carrier: 1993 to 1995

[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		
	1993	1994	1995	1993	1994	1995	1993	1994	1995
Operating revenues:									
Total <sup>1</sup>	143,601	157,910	165,271	38,335	41,205	42,944	105,266	116,705	122,327
Motor carrier	135,383	149,160	155,971	34,279	37,015	38,411	101,104	112,145	117,560
Local trucking	34,086	38,157	40,062	17,442	19,231	20,353	16,644	18,926	19,709
Long-distance trucking	101,297	111,003	115,909	16,837	17,784	18,058	84,460	93,219	97,851
Operating expenses:									
Total	135,144	147,911	155,920	35,902	38,403	40,325	99,242	109,508	115,595
Annual payroll	39,889	43,580	46,535	8,735	9,349	9,961	31,154	34,231	36,574
Employer contrib. to Soc. Sec. and other benefits	10,745	11,502	11,857	2,042	2,283	2,317	8,703	9,219	9,540
Purchased fuels	12,119	13,287	14,018	2,314	2,498	2,566	9,805	10,789	11,452
Purchased transportation	26,678	29,329	30,379	7,586	7,906	7,977	19,092	21,423	22,402
Lease and rental	2,545	2,732	2,894	719	765	792	1,826	1,967	2,102
Insurance	5,097	5,489	5,617	1,473	1,577	1,565	3,624	3,912	4,052
Maintenance and repair	8,542	9,442	9,636	2,367	2,645	2,818	6,175	6,797	6,818
Depreciation	7,450	8,218	8,948	1,950	2,016	2,197	5,500	6,202	6,751
Taxes and licenses	3,351	3,676	3,931	688	746	803	2,663	2,930	3,128
Drug and alcohol testing and rehabilitation programs	64	82	98	18	23	25	46	59	73
Other operating expenses	18,664	20,574	22,007	8,010	8,595	9,304	10,654	11,979	12,703
Equipment (1,000 units): <sup>2</sup>									
Trucks	260	287	295	131	147	154	129	140	141
Truck-tractors	622	681	758	129	133	150	493	548	608
Trailers (full and semi)	1,337	1,456	1,583	200	212	222	1,137	1,244	1,361

<sup>1</sup> Includes other revenue not shown separately. <sup>2</sup> 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. 1038. Class I Intercity Motor Carriers of Property, by Carrier: 1980 to 1993

[See headnote, table 1055. Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign (-) indicates loss]

ITEM	Unit	1980	1985	1987	1988	1989	1990	1991	1992	1993
Common carriers, gen. freight reporting	Number	298	237	200	209	192	191	201	208	220
Number of employees, average	1,000	413	376	405	430	461	465	474	490	511
Compensation of employees	Mil. dol.	9,803	10,217	11,208	12,074	12,854	13,556	14,032	14,967	15,987
Operating revenues	Mil. dol.	19,725	22,314	23,087	25,234	27,405	29,682	31,619	34,594	37,600
Operating expenses	Mil. dol.	18,870	21,037	22,326	24,000	26,242	28,340	30,269	32,977	35,729
Ordinary income before taxes	Mil. dol.	701	1,198	647	1,135	988	1,146	1,180	1,453	1,641
Net income	Mil. dol.	-72	658	406	804	659	746	749	878	985
Intercity vehicle-miles	Million	6,547	5,760	5,524	5,913	6,557	6,804	7,615	8,674	9,770
Intercity revenue freight carried	Mil. ton	178	136	129	124	145	157	169	196	225
Common carriers, other reporting <sup>1</sup>	Number	441	397	339	360	337	322	295	330	304
Number of employees, average	1,000	101	76	83	82	84	87	74	88	83
Compensation of employees	Mil. dol.	1,931	1,783	1,961	2,010	2,105	2,236	1,920	2,358	2,333
Operating revenues	Mil. dol.	8,792	7,962	8,047	8,344	8,321	9,042	7,761	9,367	9,315
Operating expenses	Mil. dol.	8,426	7,752	7,835	8,018	8,081	8,702	7,509	8,942	8,875
Ordinary income before taxes	Mil. dol.	230	123	129	248	117	198	122	309	354
Net income	Mil. dol.	14	94	97	194	88	153	85	221	250
Intercity vehicle-miles	Million	6,889	5,714	5,761	6,263	6,320	6,566	5,372	6,696	6,295
Intercity revenue freight carried	Mil. ton	324	303	295	299	278	302	253	298	296
Contract carrier, other <sup>1</sup>	Number	69	64	64	74	77	87	83	113	115
Number of employees, average	1,000	14	22	20	30	29	34	34	42	40
Compensation of employees	Mil. dol.	336	630	561	925	893	1,082	989	1,325	1,321
Operating revenues	Mil. dol.	1,272	1,942	1,922	3,026	2,946	3,486	3,644	4,501	4,581
Operating expenses	Mil. dol.	1,207	1,807	1,833	2,923	2,888	3,422	3,547	4,333	4,367
Ordinary income before taxes	Mil. dol.	48	103	59	55	15	3	53	127	181
Net income	Mil. dol.	28	69	38	38	3	-13	20	80	123
Intercity vehicle-miles	Million	934	1,227	1,304	1,882	1,826	2,044	2,339	2,933	2,913
Intercity revenue freight carried	Mil. ton	37	41	41	69	80	80	76	110	99
Carriers of household goods reporting	Number	28	40	37	36	36	36	36	32	31
Number of employees, average	1,000	10	11	11	11	12	13	12	12	10
Compensation of employees	Mil. dol.	157	240	247	254	276	296	298	291	252
Operating revenues	Mil. dol.	1,824	2,684	2,931	3,038	3,114	3,152	3,026	3,180	3,274
Intercity freight	Mil. dol.	1,676	2,388	2,591	2,336	2,703	2,702	2,318	2,787	2,834
Operating expenses	Mil. dol.	1,781	2,635	2,862	2,971	3,059	3,129	2,973	3,159	3,198
Ordinary income before taxes	Mil. dol.	74	79	74	33	41	12	27	-1	48
Net income	Mil. dol.	42	54	57	25	28	8	17	8	62
Power units, intercity service	1,000	25	35	35	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Intercity vehicle-miles	Million	969	1,171	1,234	1,289	1,229	1,366	1,086	1,136	949
Intercity revenue freight carried	Mil. ton	5	7	8	8	7	8	7	9	5

NA Not available. <sup>1</sup> Other than general freight.

Source: Through 1992, U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, part 2, annual; thereafter, Bureau of Transportation Statistics, *National Transportation Statistics*, annual.

No. 1039. Railroads, Class I—Summary: 1980 to 1995

[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]

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995
Class I line-hauling companies <sup>1</sup>	Number.	40	23	15	14	14	13	13	13	11
Employees <sup>2</sup>	1,000	458	302	228	216	206	197	193	190	188
Compensation	Mil. dol.	11,318	10,563	9,043	8,654	8,695	8,753	8,732	8,874	9,070
Average per hour	Dollars	10.2	14.3	15.8	15.8	16.8	17.8	17.9	18.5	19.0
Average per year	Dollars	24,695	34,991	39,742	39,987	42,131	44,336	45,354	46,714	48,188
Mileage:										
Railroad line owned <sup>3</sup>	1,000	178	162	149	146	143	139	137	132	(NA)
Railroad track owned <sup>4</sup>	1,000	292	269	250	244	241	234	231	222	(NA)
Equipment:										
Locomotives in service	Number.	28,094	22,548	19,015	18,835	18,344	18,004	18,161	18,505	18,812
Average horsepower	1,000 lb	2,302	2,469	2,624	2,665	2,714	2,750	2,777	2,832	2,927
Cars in service:										
Passenger train	Number.	4,347	2,502	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Freight train <sup>5</sup>	1,000	1,711	1,422	1,224	1,212	1,190	1,173	1,173	1,192	1,219
Freight cars <sup>6</sup>	1,000	1,168	867	682	659	633	605	587	591	583
Income and expenses:										
Operating revenues	Mil. dol.	28,258	27,586	27,956	28,370	27,845	28,349	28,825	30,809	32,279
Operating expenses	Mil. dol.	26,355	25,225	25,038	24,652	28,061	25,325	24,517	25,511	27,897
Net revenue from operations	Mil. dol.	1,902	2,361	2,918	3,718	-216	3,024	4,308	5,298	4,383
Income before fixed charges	Mil. dol.	2,897	3,393	4,162	4,627	928	4,127	4,990	6,184	5,016
Provision for taxes <sup>7</sup>	Mil. dol.	592	660	1,040	1,088	-156	1,092	1,810	1,935	1,556
Ordinary income.	Mil. dol.	1,129	1,788	2,009	1,961	-91	2,055	2,258	3,315	2,439
Net income	Mil. dol.	1,129	1,882	2,203	1,977	-281	1,800	2,240	3,298	2,324
Net railway operating income	Mil. dol.	1,339	1,746	1,894	2,648	-37	1,955	2,517	3,392	2,858
Total taxes	Mil. dol.	2,585	3,169	3,742	3,780	2,649	3,732	4,343	4,512	4,075
Indus. return on net investment.	Percent.	4.2	4.6	6.3	8.1	1.3	6.3	7.1	9.4	7.0
Gross capital expenditures	Mil. dol.	3,238	4,485	3,865	3,591	3,439	3,680	4,504	5,035	5,720
Balance sheet:										
Total property investment	Mil. dol.	43,923	64,241	67,661	70,348	71,622	72,677	75,217	78,384	86,186
Accrued depreciation and amortization	Mil. dol.	10,706	19,756	21,481	22,222	23,057	23,378	23,892	24,200	23,439
Net investment	Mil. dol.	33,419	46,237	47,370	48,126	48,565	49,299	51,325	54,184	62,746
Shareholder's equity	Mil. dol.	19,860	27,605	25,753	23,662	22,603	23,115	24,658	27,389	31,419
Net working capital	Mil. dol.	922	1,084	-219	-3505	-3988	-4372	-3295	-3059	-2634
Cash dividends	Mil. dol.	610	1,444	1,910	2,074	915	830	1,054	1,398	1,518
AMTRAK passenger traffic:										
Passenger revenue	Mil. dol.	(NA)	604.9	893.0	941.9	962.3	933.2	777.6	717.9	734.1
Revenue passengers carried	1,000	21,303	20,945	21,394	22,382	21,693	21,678	21,511	21,239	20,349
Revenue passenger miles	Million.	4,645	4,977	5,912	6,125	6,249	6,181	6,068	5,869	5,401
Averages:										
Revenue per passenger	Dollars	(NA)	28.9	41.8	42.1	44.4	43.0	36.1	33.8	36.1
Revenue per passenger mile	Cents	(NA)	12.2	15.1	15.4	15.4	15.1	12.8	12.2	13.6
Trip per passenger	Miles	218.1	237.6	276.3	273.7	288.0	285.1	277.7	(NA)	(NA)
Freight service:										
Freight revenue	Mil. dol.	26,200	26,688	27,059	24,471	26,949	27,508	27,991	29,931	31,356
Per ton-mile	Cents	2.8	3.0	2.7	2.7	2.6	2.6	2.5	2.5	2.4
Per ton originated	Dollar	17.7	20.2	19.3	19.3	19.5	19.7	20.0	20.4	20.2
Revenue-tons originated	Million.	1,492	1,320	1,402	1,425	1,383	1,399	1,397	1,470	1,550
Revenue-tons carried	Million.	2,434	1,985	1,988	2,024	1,987	2,022	2,047	2,185	2,322
Tons carried one mile	Billion.	919	877	1,014	1,034	1,039	1,067	1,109	1,201	1,306
Average miles of road operated	1,000	179	161	138	133	130	126	124	123	125
Revenue ton-miles per mile of road	1,000	5,133	5,446	7,373	7,763	8,001	8,451	8,965	9,735	10,439
Revenue per ton-mile	Cents	3	3	3	3	3	3	3	2	2
Train miles	Million.	428	347	383	380	375	390	405	441	458
Net ton-miles per train-mile <sup>9</sup>	Number.	2,175	2,574	2,683	2,755	2,796	2,759	2,759	2,746	2,870
Net ton-miles per loaded car-mile <sup>9</sup>	Number.	63.5	62.7	67.0	69.1	71.6	70.9	71.6	72.2	73.6
Train-miles per train-hour	Miles	18.2	21.9	23.0	23.7	23.7	23.7	23.1	22.4	21.8
Haul per ton, U.S. as a system	Miles	616	664	723	726	751	763	794	817	843
Accident: <sup>10</sup>										
All railroads	Number.	63,663	35,340	28,039	26,440	24,662	22,553	20,400	18,038	15,586
Persons killed	Number.	1,417	1,036	1,324	1,297	1,194	1,170	1,279	1,226	1,146
Persons injured	Number.	62,246	34,304	26,715	25,143	23,468	21,383	19,121	16,812	14,440
Persons killed, Class I railroads only	Number.	57,755	29,388	21,809	20,450	18,728	17,055	15,058	12,428	10,565
Persons killed, nonrevenue freight	Number.	1,344	955	1,195	1,166	1,069	1,047	1,124	1,080	994
Persons injured, Class I railroads only	Number.	56,411	28,433	20,614	19,284	17,659	16,008	13,934	11,348	9,571

NA Not available. <sup>1</sup> See text, section 21, for definition of Class I. <sup>2</sup> Average midmonth count. <sup>3</sup> 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). <sup>4</sup> 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). <sup>5</sup> Includes cars owned by all railroads, private car companies, and shippers. <sup>6</sup> Class I railroads only. <sup>7</sup> Includes State income taxes. <sup>8</sup> Includes payroll, income, and other taxes. <sup>9</sup> Revenue and nonrevenue freight. <sup>10</sup> 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. 1040. Railroads, Class I-Cars of Revenue Freight Loaded, 1970 to 1995, and by Commodity Group, 19954 and 19965

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

YEAR	CARLOADS		COMMODITY GROUP	CARLOADS		COMMODITY GROUP	CARLOADS	
	Total	Piggy-back		1995	1996		1995	1996
1970	27,160	1,450	Coal	6,545	6,695	Metals and products	564	584
1975	23,217	1,308	Metallic ores	462	442	Stone, clay, and glass products	493	480
1980	22,598	1,661	Chemicals, allied products	1,551	1,551	Crushed stone, gravel, sand	667	678
1985	19,574	2,863	Grain	1,362	1,226	Nonmetallic minerals, n.e.c.	481	481
1990	16,177	(NA)	Motor vehicles and equipment	971	1,010	Waste and scrap materials	491	493
1993	15,911	(NA)	Pulp, paper, allied products	541	530	Lumber, wood products, n.e.c. <sup>1</sup>	261	270
1994	16,763	(NA)	Primary forest products	391	354	Coke	282	263
1995	16,706	(NA)	Food and kindred prod., n.e.c.	451	416	Petroleum product	272	281
1996	16,618	(NA)	Grain mill products	518	490	All other carloads	405	374

NA Not available. <sup>1</sup> Excludes furniture.

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

### No. 1041. Railroads, Class I Line-Haul-Revenue Freight Originated, by Commodity Group: 1980 to 1995

COMMODITY GROUP	1980	1985	1989	1990	1991	1992	1993	1994	1995
<b>Carloads (1,000) <sup>1</sup></b>	<b>22,223</b>	<b>19,501</b>	<b>21,226</b>	<b>21,401</b>	<b>20,868</b>	<b>21,205</b>	<b>21,683</b>	<b>23,179</b>	<b>23,726</b>
Coal	5,789	5,684	5,672	5,912	5,683	5,572	5,310	5,681	6,095
Farm products	1,866	1,494	1,781	1,689	1,605	1,646	1,636	1,459	1,692
Chemicals, allied products	1,322	1,296	1,486	1,531	1,556	1,568	1,606	1,695	1,642
Food and kindred products	1,767	1,224	1,284	1,307	1,316	1,352	1,380	1,381	1,377
Nonmetallic minerals <sup>2</sup>	1,474	1,196	1,254	1,202	1,075	1,029	1,044	1,138	1,159
Transportation equipment	1,004	1,202	1,141	1,091	1,068	1,181	1,355	1,448	1,473
Lumber and wood products <sup>3</sup>	1,384	948	843	780	716	726	710	771	719
Pulp, paper, allied products	954	703	615	611	616	618	620	651	628
Petroleum and coal products	596	491	561	573	533	583	584	602	596
Stone, clay, and glass products	776	551	565	539	479	483	487	512	516
Metallic ores	1,258	511	523	508	499	489	443	440	463
Primary metal products	756	449	452	477	469	481	528	579	575
Waste and scrap materials	632	429	444	439	433	487	558	604	623
Machinery, exc. electrical	77	35	38	39	39	39	37	40	41
Fabricated metal products <sup>4</sup>	72	31	27	31	34	32	37	37	32
<b>Tons (mil.) <sup>1</sup></b>	<b>1,492</b>	<b>1,320</b>	<b>1,403</b>	<b>1,425</b>	<b>1,383</b>	<b>1,399</b>	<b>1,397</b>	<b>1,470</b>	<b>1,550</b>
Coal	522	538	551	579	560	554	534	574	627
Farm products	156	127	154	147	144	149	147	131	154
Chemicals, allied products	108	106	123	126	127	130	134	142	138
Nonmetallic minerals <sup>2</sup>	125	108	111	109	99	94	96	106	110
Food and kindred products	92	74	79	81	83	86	88	88	91
Lumber and wood products <sup>3</sup>	86	63	57	53	48	50	49	54	51
Metallic ores	105	47	47	47	45	45	41	40	44
Stone, clay, and glass products	54	44	47	44	39	40	40	42	43
Petroleum and coal products	38	33	39	40	37	41	41	43	43
Primary metal products	53	34	36	38	37	39	43	47	47
Pulp, paper, allied products	42	36	34	33	33	34	34	37	36
Waste and scrap materials	34	26	28	28	27	30	35	37	38
Transportation equipment	24	27	24	23	22	25	29	30	30
Machinery, exc. electrical	2	1	1	1	1	1	1	1	1
Fabricated metal products <sup>4</sup>	2	1	1	1	1	1	1	1	1
<b>Gross revenue (mil. dol.) <sup>1</sup></b>	<b>26,938</b>	<b>28,225</b>	<b>29,328</b>	<b>29,775</b>	<b>29,319</b>	<b>29,777</b>	<b>30,376</b>	<b>32,424</b>	<b>33,782</b>
Coal	4,956	6,556	6,581	6,954	6,903	6,717	6,481	7,021	7,356
Chemicals, allied products	2,946	3,342	3,788	3,933	4,043	4,123	4,277	4,520	4,553
Transportation equipment	1,917	3,110	3,269	3,100	2,633	2,753	3,021	3,257	3,269
Farm products	2,801	1,977	2,444	2,422	2,332	2,454	2,528	2,407	3,020
Food and kindred products	2,837	2,256	2,128	2,188	2,254	2,308	2,336	2,427	2,464
Pulp, paper, allied products	1,652	1,641	1,514	1,486	1,502	1,508	1,511	1,510	1,543
Lumber and wood products <sup>3</sup>	1,543	1,525	1,500	1,390	1,282	1,342	1,324	1,421	1,385
Primary metal products	1,332	872	972	979	977	970	1,021	1,114	1,199
Stone, clay, and glass products	1,025	960	960	931	878	911	944	1,009	1,044
Petroleum and coal products	865	861	917	918	888	943	929	967	997
Nonmetallic minerals <sup>2</sup>	948	949	868	885	824	812	818	862	875
Waste and scrap materials	513	446	492	504	515	558	613	655	685
Metallic ores	597	403	397	408	400	409	385	378	394
Machinery, exc. electrical	176	72	66	67	62	61	59	65	69
Fabricated metal products <sup>4</sup>	110	48	38	42	48	45	50	50	44

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

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

## No. 1042. Railroad Freight—Producer Price Indexes: 1980 to 1996

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

COMMODITY	1980	1985	1989	1990	1991	1992	1993	1994	1995	1996
<b>Total railroad freight . . . . .</b>	<b>75.9</b>	<b>99.9</b>	<b>106.4</b>	<b>107.5</b>	<b>109.3</b>	<b>109.9</b>	<b>110.9</b>	<b>111.8</b>	<b>111.7</b>	<b>111.5</b>
Coal . . . . .	75.8	100.0	105.3	104.2	105.2	105.9	106.6	107.5	107.3	106.7
Farm products . . . . .	75.6	99.0	108.5	110.4	111.4	111.1	113.7	114.5	115.6	115.8
Food products . . . . .	75.2	100.0	103.9	105.4	108.1	108.7	109.0	111.0	111.2	108.8
Metallic ores . . . . .	74.5	100.2	105.8	106.5	106.7	106.6	106.7	104.6	101.9	103.5
Chemicals or allied products . . . . .	75.6	100.1	110.0	111.7	113.5	115.6	116.2	117.6	120.0	119.2
Nonmetallic minerals . . . . .	72.2	100.1	108.3	111.7	115.9	117.6	119.3	119.7	119.5	119.6
Wood or lumber products . . . . .	72.7	100.0	105.9	107.5	108.6	108.8	109.7	110.0	110.0	112.8
Transportation equipment . . . . .	81.7	100.0	106.4	107.5	109.7	110.8	113.1	115.3	112.8	114.0
Pulp, paper, or allied products . . . . .	76.7	100.0	105.1	108.0	111.5	111.8	112.6	111.1	108.7	(NA)
Primary metal products . . . . .	77.8	99.7	112.3	113.1	116.1	117.5	116.3	115.6	115.6	115.6
Clay, concrete, glass, or stone products . . . . .	74.2	100.0	110.5	114.1	117.1	116.5	117.9	120.1	121.4	121.3

NA Not available.

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

## No. 1043. Petroleum Pipeline Companies—Characteristics: 1980 to 1995

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

ITEM	Unit	1980	1985	1989	1990	1991	1992	1993	1994	1995
Miles of pipeline, total . . . . .	1,000 . . . . .	173	171	169	168	172	164	164	159	177
Gathering lines . . . . .	1,000 . . . . .	36	35	33	32	31	29	29	30	35
Trunk lines . . . . .	1,000 . . . . .	136	136	135	136	141	136	135	128	142
Total deliveries . . . . .	Mil. bbl. . . . .	10,600	10,745	11,281	11,378	11,496	11,447	12,219	12,159	12,862
Crude oil . . . . .	Mil. bbl. . . . .	6,405	6,239	6,435	6,563	6,685	6,541	6,708	6,785	6,952
Products . . . . .	Mil. bbl. . . . .	4,195	4,506	4,847	4,816	4,811	4,906	5,511	5,373	5,910
Total trunk line traffic . . . . .	Bil. bbl-miles . . . . .	3,405	3,342	3,505	3,500	3,470	3,428	3,051	3,566	3,619
Crude oil . . . . .	Bil. bbl-miles . . . . .	1,948	1,842	1,918	1,891	1,899	1,853	1,382	1,823	1,899
Products . . . . .	Bil. bbl-miles . . . . .	1,458	1,500	1,587	1,609	1,571	1,575	1,669	1,743	1,720
Carrier property value . . . . .	Mil. dol. . . . .	19,752	21,605	24,638	25,828	26,943	27,106	31,625	26,363	27,460
Operating revenues . . . . .	Mil. dol. . . . .	6,356	7,461	6,512	7,149	6,798	7,154	6,931	7,281	7,711
Net income . . . . .	Mil. dol. . . . .	1,912	2,431	2,227	2,340	1,788	2,061	1,763	2,148	2,670

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

## No. 1044. 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 . . . . .	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

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