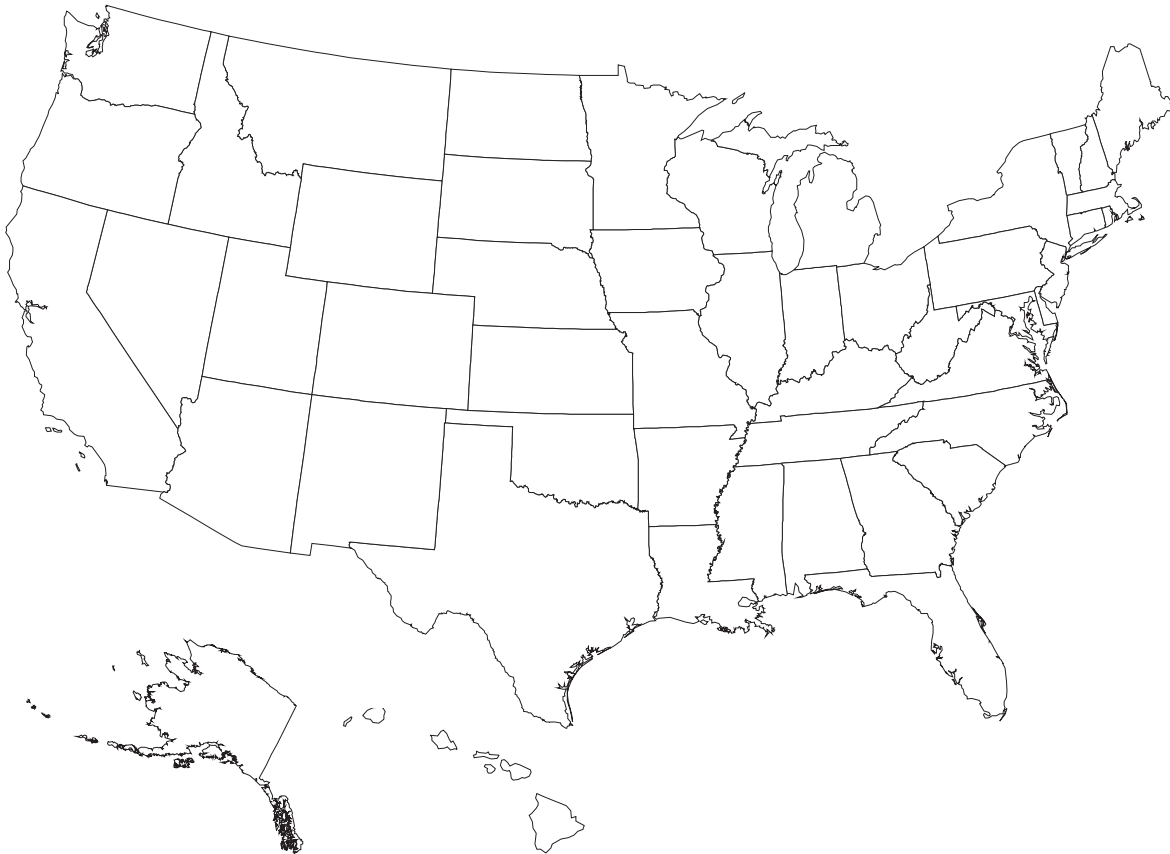


# State Transportation Statistics



**2004**



U.S. Department of Transportation



Bureau of Transportation Statistics

December 2004



# Acknowledgments



## U.S. Department of Transportation

Norman Y. Mineta  
*Secretary*



## Bureau of Transportation Statistics

Rick Kowalewski  
*Deputy Director*

William J. Chang  
*Associate Director for  
Information Technology*

Mary J. Hutzler  
*Associate Director  
for Statistical Programs*

Wendell Fletcher  
*Assistant Director for  
Transportation Analysis*

### Project Manager

Ron Duych

### Editor

Martha Courtney

### Data Collection and Production—Battelle

William Mallett

Robert Gordon

Michael Sanders

Jakia Torrence

### Contributors

David Chesser

Chip Moore

Long Nguyen

Lorisa Smith

### Bureau of Transportation Statistics

**Our mission:** To lead in developing transportation data and information of high quality and to advance their effective use in both public and private transportation decisionmaking.

**Our vision for the future:** Data and information of high quality supporting every significant transportation policy decision, thus advancing the quality of life and the economic well-being of all Americans.

#### To obtain this and other BTS publications:

Internet: [www.bts.gov](http://www.bts.gov)  
Phone: 202/366-DATA  
Fax: 202/366-3640

Mail: Product Orders  
Bureau of Transportation Statistics  
U.S. Department of Transportation  
400 7<sup>th</sup> Street, SW, Room 7412  
Washington, DC 20590

**Your comments for improving State Transportation Statistics reports are welcome.**

#### Contact the BTS Information Service:

E-mail: [answers@bts.gov](mailto:answers@bts.gov)  
Phone: 800/853-1351



# United States Fast Facts

## Transportation System Extent

All public roads: 3.97 million miles  
Interstate: 46,508 miles  
Road bridges: 590,111  
Class I railroad trackage: 99,126 miles  
Inland waterways: 29,627 miles  
Public use airports: 5,286 (628 certificated for air carrier operations)

## Vehicles and Conveyances

Automobiles registered: 135.7 million  
Light trucks registered: 87.0 million  
Heavy trucks registered: 7.9 million  
Buses registered: 0.8 million  
Motorcycles registered: 5.4 million  
Rail transit systems: 21 commuter rail, 14 heavy rail (subway), 28 light rail  
Recreational boats registered: 12.8 million

## Geographic

Land area: 3.5 million sq. miles<sup>1</sup>  
Percent of land area owned by federal government: 29.6  
Persons per square mile: 79.6<sup>1</sup>  
Highest point: Mt. McKinley, AK (20,320 ft.)  
Lowest point: Death Valley, CA (-282 ft.)

<sup>1</sup>2000

<sup>2</sup>2002

**NOTE:** Data are for 2003 unless otherwise noted.

## Government Subdivisions

County governments: 3,034<sup>2</sup>  
Municipal governments: 19,429<sup>2</sup>  
Town governments: 16,504<sup>2</sup>  
Congressional districts: 435

## Demographic

Population: 290.8 million  
Percent urban population: 79<sup>1</sup>

## Socioeconomic

Gross domestic product: \$11.0 trillion  
Civilian labor force: 146.5 million  
Median household income: \$43,318

## Commuting (percent of workers)<sup>1</sup>

Car, truck, or van—drove alone: 75.7  
Car, truck, or van—carpooled: 12.2  
Public transportation (including taxi): 4.7  
Walked: 2.9  
Other means: 1.2  
Worked at home: 3.3

### U.S. Department of Transportation

Bureau of Transportation Statistics

400 7<sup>th</sup> Street, SW

Washington, DC 20590

(202) 366-DATA (3282)

<http://www.bts.gov>

## **State Transportation Statistics 2004**

The Bureau of Transportation Statistics (BTS) presents *State Transportation Statistics 2004*, a statistical profile of transportation in the 50 states and the District of Columbia. This document is a successor to the BTS *State Transportation Profile: Summary 2003* and this year becomes a companion document to BTS's *National Transportation Statistics (NTS)*, which is updated quarterly on the BTS website and issued as a print publication every other year.

Like the previous edition, this document presents transportation information from BTS, other federal government agencies, and other national sources. A picture of the states' infrastructure, freight movement and passenger travel, safety, vehicles, economy and finance, and energy and the environment is presented in tables covering the 50 states and the District of Columbia. Tables have been updated with the most recently available data.

Included in this *State Transportation Statistics 2004* report is a description of the data sources used; information on data formats; federal, state, and national data sources; and a glossary of terms. Also contained in this publication is a summary table that displays the approximate timing of future data releases and contact information for each state's Department of Transportation.

Bureau of Transportation Statistics  
December 2004

# Table of Contents

## A Infrastructure

	<i>PAGE</i>
Public Road Length, Miles by Functional System: 2003 .....	A-1
Public Road Length, Miles by Ownership: 2003 .....	A-2
Toll Roads, Toll Bridges and Tunnels, and Toll Ferries: 2003 .....	A-3
Road Condition: 2003 .....	A-4
Number of Road Bridges by Functional System: 2003.....	A-5
Number of Road Bridges by Owner: 2003.....	A-6
Road Bridge Condition: 2003.....	A-7
Motor Bus Transit Route Mileage: 2002.....	A-8
Characteristics of Rail Transit by Transit Authority: 2002.....	A-9
Civil and Joint-Use Airports, Heliports, STOLports, and Seaplane Bases: 2004 ....	A-10
Top 50 Commercial Service Airport Enplanements by Air Carrier Category: 2003 .....	A-11
Commercial Service Airport Enplanements by State and Air Carrier Category: 2003 .....	A-12
Number of Freight Railroads by Class: 2002.....	A-13
Miles of Freight Railroad Operated by Class of Railroad: 2002.....	A-14
Top 50 Water Ports by Tonnage: 2003 .....	A-15
Inland Waterway Mileage: 2004 .....	A-16

## B Safety

Highway Traffic Fatalities and Fatality Rates: 2002 and 2003.....	B-1
Passenger Car and Light Truck Occupants Killed and Restraint Use: 2003.....	B-2
Large Truck Involvement in Fatal Crashes: 2003 .....	B-3
Key Provisions of Safety Belt Use Laws: 2002 .....	B-4
Helmet Use Laws: 2004 .....	B-5
Safety Belt Use: 1999, 2001, 2003, and 2004.....	B-6
Pedestrian Fatalities Involving Motor Vehicles: 2003 .....	B-7
Fatalities in Motor Vehicle Crashes Involving High Blood Alcohol Concentration: 2002 and 2003 .....	B-8
Maximum Posted Speed Limits by Type of Road: 2004 .....	B-9
Rail Accidents/Incidents: 2003 .....	B-10
Highway-Rail Grade Crossing Incidents: 2003.....	B-11
Highway-Rail Grade Crossings by Type: 2003 .....	B-12
Warning Devices at Public Highway-Rail Grade Crossings: 2003.....	B-13
Train Accident/Incident Fatalities by Category of Person Killed: 2003 .....	B-14
Train Accident/Incident Injuries by Category of Person Injured: 2003.....	B-15
Transit Incidents, Fatalities, Injuries, and Property Damage, All Transit Modes: 2002 .....	B-16

	<i>PAGE</i>
Recreational Boating Accidents: 2003 .....	B-17
Alcohol Involvement in Recreational Boating Accidents: 2003 .....	B-18
Hazardous Materials Incidents: 2003 .....	B-19
Hazardous Materials Incidents by Mode: 2003.....	B-20
Natural Gas Distribution Pipeline Incidents: 2003.....	B-21
Natural Gas Transmission Pipeline Incidents: 2003 .....	B-22
Hazardous Liquid Pipeline Incidents: 2003 .....	B-23

## **C Freight Transportation**

Freight Shipments by State of Origin: 2002.....	C-1
Hazardous Material Shipments by Selected State of Origin: 2002 .....	C-2
Hazardous Material Shipments by Selected State of Destination: 2002 .....	C-3
Rail Shipments: 2002 .....	C-4
Waterborne Shipments: 2002 .....	C-5
Top 50 U.S. Ports by Port Calls and Vessel Type: 2003.....	C-6
Top 30 U.S. Containership Ports: 2003.....	C-7
Scheduled and Nonscheduled Air Freight and Mail Enplaned: 2003 .....	C-8
Top 50 All-Cargo Airports by Landed Weight: 2001-2003.....	C-9
U.S. Surface Merchandise Trade with Canada and Mexico: 2003 .....	C-10
U.S. Surface Merchandise Imports from Canada and Mexico: 2003.....	C-11
Incoming Truck Crossings, U.S.–Canadian Border: 1999-2003.....	C-12
Incoming Truck Container (Loaded) Crossings, U.S.–Canadian Border: 1999-2003 .....	C-12
Incoming Truck Container (Unloaded) Crossings, U.S.–Canadian Border: 1999-2003 .....	C-12
Incoming Train Crossings, U.S.–Canadian Border: 1999-2003 .....	C-13
Incoming Rail Container (Full) Crossings, U.S.–Canadian Border: 1999-2003.....	C-13
Incoming Rail Container (Empty) Crossings, U.S.–Canadian Border: 1999-2003 .....	C-13
Incoming Truck Crossings, U.S.–Mexican Border: 1999-2003.....	C-14
Incoming Truck Container (Loaded) Crossings, U.S.– Mexican Border: 1999-2003 .....	C-14
Incoming Truck Container (Unloaded) Crossings, U.S.– Mexican Border: 1999-2003 .....	C-14
Incoming Train Crossings, U.S.– Mexican Border: 1999-2003.....	C-15
Incoming Rail Container (Full) Crossings, U.S.– Mexican Border: 1999-2003.....	C-15
Incoming Rail Container (Empty) Crossings, U.S.– Mexican Border: 1999-2003 .....	C-15
Top 50 U.S. Foreign Trade Freight Gateways: 2003 .....	C-16



## D Passenger Travel

Commuting to Work: 2000.....	D-1
Licensed Drivers: 2003 .....	D-2
Transit Ridership in the 50 Largest Urbanized Areas: 2002.....	D-3
Urban Transit Ridership by State and Transit Mode: 2002.....	D-4
Top 50 Amtrak Stations by Number of Boardings: Fiscal Years 2003 and 2004.....	D-5
Top 50 Airports by Passengers Enplaned: 1993, 2002, and 2003.....	D-6
Major Airports by On-Time Departure Performance: 2002 and 2003.....	D-7
Top 15 Cruise Ship Ports by Port of Departure: 2002 and 2003.....	D-8
Incoming Personal Vehicle Crossings, U.S.–Canadian Border: 1999-2003.....	D-9
Incoming Passengers in Personal Vehicles, U.S.–Canadian Border: 1999-2003.....	D-9
Incoming Train Passengers, U.S.–Canadian Border: 1999-2003.....	D-9
Incoming Bus Crossings, U.S.–Canadian Border: 1999-2003.....	D-10
Incoming Passengers on Buses, U.S.–Canadian Border: 1999-2003.....	D-10
Incoming Pedestrians, U.S.–Canadian Border: 1999-2003.....	D-10
Incoming Personal Vehicle Crossings, U.S.–Mexican Border: 1999-2003.....	D-11
Incoming Passengers in Personal Vehicles, U.S.– Mexican Border: 1999-2003.....	D-11
Incoming Train Passengers, U.S.– Mexican Border: 1999-2003.....	D-11
Incoming Bus Crossings, U.S.– Mexican Border: 1999-2003.....	D-12
Incoming Passengers on Buses, U.S.– Mexican Border: 1999-2003.....	D-12
Incoming Pedestrians, U.S.– Mexican Border: 1999-2003.....	D-12
Overseas Visitors to the United States by Destination State and Territory: 1998, 2001, and 2003.....	D-13
Overseas Visitors to the United States by Destination City: 1998, 2001, and 2003.....	D-14

## E Registered Vehicles and Vehicle-Miles Traveled

Motor-Vehicle Registrations: 2003 .....	E-1
Trailer and Semi-Trailer Registrations: 2003.....	E-2
Highway Vehicle-Miles Traveled (VMT): 1998 and 2003.....	E-3
Highway, Demographic, and Geographic Characteristics of 30 Largest Urbanized Areas: 2003 .....	E-4
Highway Congestion in the 50 Largest Urban Areas: 2002.....	E-5
Recreational Boat Registrations by Propulsion Type: 2002 .....	E-6
General Aviation and Air Taxi Aircraft and Hours Flown: 2002 .....	E-7
Active Aviation Pilots and Flight Instructors: 2003.....	E-8

**F Economy and Finance**

Transportation and Warehousing Establishments and Employment: 2002.....	F-1
Air Transportation Establishments and Employment: 2002 .....	F-2
Water Transportation Establishments and Employment: 2002.....	F-3
Truck Transportation Establishments and Employment: 2002 .....	F-4
Transit and Ground Passenger Transportation Establishments and Employment: 2002.....	F-5
Pipeline Transportation Establishments and Employment: 2002.....	F-6
Freight Railroad Employment and Wages: 2002 .....	F-7
Transportation Expenditures by State Governments: 2001.....	F-8
Transportation Revenues Collected by State Governments: 2001.....	F-9
Federal and State Funding of Public Transit: 1995, 2000, and 2003 .....	F-10
Average Motor Gasoline Prices: 2002 and 2003 .....	F-11
State Motor-Fuel Tax Rates: 2003 .....	F-12

**G Energy and Environment**

Transportation Energy Consumption by Energy Source: 2001.....	G-1
Energy Consumption by End-Use Sector: 2001.....	G-2
Transportation Energy Consumption per Capita: 2001.....	G-3
Motor-Fuel Use: 2003 .....	G-4
Alternative-Fueled Vehicles in Use by Fuel Type: 2002 .....	G-5
Top 20 States for Gasoline-Electric Hybrid Automobile Registrations: 2003 .....	G-6
Air Pollution in the 50 Largest Metropolitan Areas: 1999-2003 .....	G-7

**H Information on Data Sources..... H-1****I Appendices and Glossary ..... I-1**

# **Section A**



# **Infrastructure**



**Table 1-1: Public Road Length, Miles by Functional System: 2003**

State	Interstate	Other principal and minor arterials	Major and minor collectors	Local	Total
Alabama	905	8,816	20,530	64,183	94,434
Alaska	1,082	1,513	2,753	8,882	14,230
Arizona	1,167	4,814	8,549	42,999	57,529
Arkansas	656	6,929	20,077	70,879	98,541
California	2,458	28,567	32,074	106,450	169,549
Colorado	956	8,470	16,586	60,809	86,821
Connecticut	346	3,021	3,037	14,685	21,089
Delaware	41	644	939	4,270	5,894
District of Columbia	13	286	152	1,085	1,536
Florida	1,471	12,632	14,194	92,078	120,375
Georgia	1,245	13,249	23,342	78,698	116,534
Hawaii	55	786	831	2,637	4,309
Idaho	611	3,841	10,075	32,400	46,927
Illinois	2,170	14,118	21,701	100,537	138,526
Indiana	1,169	8,099	22,663	62,666	94,597
Iowa	782	9,680	31,485	71,569	113,516
Kansas	874	9,330	33,364	91,444	135,012
Kentucky	763	5,915	16,040	54,293	77,011
Louisiana	904	5,280	10,132	44,621	60,937
Maine	367	2,306	5,975	14,045	22,693
Maryland	481	4,019	4,825	21,363	30,688
Massachusetts	569	6,476	4,836	23,709	35,590
Michigan	1,243	12,407	25,814	82,758	122,222
Minnesota	912	12,855	29,602	88,524	131,893
Mississippi	685	7,418	15,286	50,716	74,105
Missouri	1,181	9,740	24,976	88,788	124,685
Montana	1,192	6,038	16,368	45,852	69,450
Nebraska	482	8,028	20,778	63,910	93,198
Nevada	560	2,927	5,210	25,280	33,977
New Hampshire	235	1,646	2,789	10,960	15,630
New Jersey	431	5,940	3,839	28,742	38,952
New Mexico	1,000	5,033	7,234	50,686	63,953
New York	1,674	14,300	20,557	76,593	113,124
North Carolina	1,019	9,236	17,621	74,284	102,160
North Dakota	572	5,879	11,736	68,595	86,782
Ohio	1,574	11,352	22,518	88,078	123,522
Oklahoma	930	8,349	25,305	77,994	112,578
Oregon	728	6,871	17,503	40,849	65,951
Pennsylvania	1,758	13,710	19,802	85,153	120,423
Rhode Island	71	917	879	4,548	6,415
South Carolina	842	6,947	13,378	45,063	66,230
South Dakota	679	6,352	19,234	57,423	83,688
Tennessee	1,073	9,081	17,905	60,459	88,518
Texas	3,233	29,707	63,508	205,539	301,987
Utah	940	3,367	7,838	30,571	42,716
Vermont	320	1,318	3,129	9,592	14,359
Virginia	1,118	8,474	14,081	47,569	71,242
Washington	764	7,614	16,807	57,079	82,264
West Virginia	549	3,179	8,777	24,488	36,993
Wisconsin	745	12,108	21,408	79,009	113,270
Wyoming	913	3,678	10,884	12,007	27,482
United States, total	46,508	393,262	788,926	2,745,411	3,974,107

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, table HM-20, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Nov.

**Table 1-2: Public Road Length, Miles by Ownership: 2003**

State	State highway		Town,	Other	Federal	Total
	agency	County	township, municipal	jurisdiction <sup>1</sup>	agency <sup>2</sup>	
Alabama	10,893	58,762	23,225	169	1,386	94,435
Alaska	5,624	3,691	1,885	740	2,289	14,229
Arizona	6,786	19,547	19,186	304	11,707	57,530
Arkansas	16,383	66,056	13,777	1	2,324	98,541
California	15,225	65,517	71,225	3,066	14,516	169,549
Colorado	9,113	55,008	14,231	1,307	7,160	86,819
Connecticut	3,718	0	17,024	280	67	21,089
Delaware	5,180	0	707	1	6	5,894
District of Columbia	1,428	0	0	19	88	1,535
Florida	12,051	71,091	35,149	0	2,085	120,376
Georgia	17,872	82,965	13,774	796	1,127	116,534
Hawaii	936	3,198	0	55	118	4,307
Idaho	4,955	15,186	2,404	16,150	8,234	46,929
Illinois	16,161	16,451	104,981	680	252	138,525
Indiana	11,186	66,731	16,680	0	0	94,597
Iowa	8,881	89,846	14,143	529	118	113,517
Kansas	10,378	111,374	2,447	10,315	499	135,013
Kentucky	27,498	38,547	9,757	284	925	77,011
Louisiana	16,693	32,428	11,177	18	622	60,938
Maine	8,405	0	13,916	200	172	22,693
Maryland	5,136	20,584	4,546	264	158	30,688
Massachusetts	2,836	4	31,883	758	111	35,592
Michigan	9,741	89,853	20,845	37	1,744	122,220
Minnesota	11,929	45,211	71,435	1,316	2,003	131,894
Mississippi	10,914	52,883	9,447	36	826	74,106
Missouri <sup>3</sup>	32,447	71,607	19,599	1	1,031	124,685
Montana	7,879	43,744	3,717	374	13,734	69,448
Nebraska	9,986	61,803	20,949	297	163	93,198
Nevada	5,448	21,828	4,190	689	1,820	33,975
New Hampshire	4,114	0	11,412	0	102	15,628
New Jersey	2,313	7,334	27,921	1,025	356	38,949
New Mexico	11,407	38,685	5,548	145	8,168	63,953
New York	15,033	20,377	76,247	1,372	95	113,124
North Carolina	78,641	0	19,550	748	3,221	102,160
North Dakota	7,381	9,996	67,838	23	1,542	86,780
Ohio	19,291	29,144	71,410	3,241	435	123,521
Oklahoma	12,263	80,651	18,388	1,219	55	112,576
Oregon	7,545	33,498	10,181	4,737	9,990	65,951
Pennsylvania	39,893	287	75,654	3,757	833	120,424
Rhode Island	1,102	0	5,281	3	27	6,413
South Carolina	41,475	20,202	2,121	191	2,243	66,232
South Dakota	7,840	36,154	37,589	150	1,955	83,688
Tennessee	13,794	56,573	17,301	542	310	88,520
Texas	79,494	142,824	78,684	152	833	301,987
Utah	5,852	23,716	9,029	10	4,110	42,717
Vermont	2,631	0	11,347	210	173	14,361
Virginia	57,323	1,610	10,413	39	1,857	71,242
Washington	7,048	40,354	15,651	11,960	7,252	82,265
West Virginia	33,900	0	2,329	88	677	36,994
Wisconsin	11,772	20,600	79,990	69	839	113,270
Wyoming	6,760	14,465	2,091	759	3,408	27,483
United States, total	772,554	1,780,385	1,228,274	69,126	123,766	3,974,105

<sup>1</sup> Includes state park, state toll, other state agency, other local agency, and roadways not identified by ownership.

<sup>2</sup> Roadways in federal parks, forests, and reservations that are not part of the state and local highway systems.

<sup>3</sup> 2002 data.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, table HM-14, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Nov. 22, 2004.

**Table 1-3: Toll Roads, Toll Bridges and Tunnels, and Toll Ferries: 2003**

State	Toll road mileage	Number of toll bridges	Number of toll tunnels	Number of toll ferries
Alabama	6.0	3	0	1
Alaska	0.0	0	1	12
Arizona	0.0	0	0	0
Arkansas	0.0	0	0	0
California	95.8	9	0	1
Colorado	48.0	0	0	0
Connecticut	0.0	0	0	6
Delaware	49.3	1	0	1
District of Columbia	0.0	0	0	0
Florida	657.0	15	0	0
Georgia	6.2	1	0	0
Hawaii	0.0	0	0	0
Idaho	0.0	0	0	0
Illinois	282.1	4	0	4
Indiana	156.8	2	0	0
Iowa	0.0	6	0	1
Kansas	236.1	0	0	0
Kentucky	248.5	0	0	3
Louisiana	1.5	2	0	0
Maine	106.2	0	0	15
Maryland	0.0	5	2	2
Massachusetts	135.6	1	2	12
Michigan	0.0	6	1	11
Minnesota	0.0	2	0	0
Mississippi	0.0	0	0	0
Missouri	0.0	2	0	6
Montana	0.0	0	0	0
Nebraska	0.0	3	0	0
Nevada	6.4	0	0	0
New Hampshire	97.1	1	0	0
New Jersey	356.0	27	2	1
New Mexico	0.0	0	0	0
New York	574.6	30	4	9
North Carolina	0.0	0	0	3
North Dakota	0.0	1	0	0
Ohio	392.2	0	0	9
Oklahoma	596.7	0	0	0
Oregon	0.0	1	0	4
Pennsylvania	508.2	15	0	2
Rhode Island	0.0	1	0	3
South Carolina	23.5	0	0	0
South Dakota	0.0	0	0	0
Tennessee	0.0	0	0	3
Texas	145.6	24	1	1
Utah	1.0	0	0	1
Vermont	11.9	1	0	4
Virginia	65.1	5	1	1
Washington	0.0	1	0	18
West Virginia	86.8	3	0	1
Wisconsin	0.0	0	0	4
Wyoming	0.0	0	0	0
United States, total	4,721.8	142	12	123

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Toll Facilities in the United States: Bridges-Roads-Tunnels-Ferries*, Washington, DC: July 2003, available at <http://www.fhwa.dot.gov/ohim/tollpage.htm> as of July 2003.

Table 1-4: Road Condition: 2003

State	Very Good	Good	Fair	Mediocre	Poor	Not Reported
Alabama	2,544	8,461	9,255	2,587	1,019	0
Alaska	113	716	1,836	640	194	221
Arizona	5,165	2,527	3,041	543	209	694
Arkansas	511	3,236	9,548	4,741	2,322	96
California	907	7,468	22,246	13,183	10,091	22
Colorado	1,350	4,241	7,667	2,283	811	0
Connecticut	1,592	713	2,578	790	365	7
Delaware	42	560	598	159	99	2
District of Columbia	231	85	21	16	98	0
Florida	8,040	9,852	5,253	633	251	51
Georgia	14,179	11,490	4,290	49	15	3
Hawaii	68	202	941	227	104	0
Idaho	410	2,838	2,526	2,579	562	5
Illinois	7,756	6,075	14,881	3,226	2,044	1
Indiana	3,295	7,338	7,573	2,385	1,596	8
Iowa	2,644	9,623	10,165	1,379	346	153
Kansas	1,232	10,505	4,514	3,726	3,641	395
Kentucky	834	3,439	8,706	760	66	1
Louisiana	764	3,300	4,973	2,102	1,316	165
Maine	343	1,678	3,078	841	473	0
Maryland	171	2,013	2,679	1,081	1,490	33
Massachusetts	577	811	5,578	3,118	1,009	11
Michigan	7,924	6,077	10,142	4,132	3,273	11
Minnesota	4,788	10,583	12,378	1,273	1,818	0
Mississippi	2,018	4,693	9,057	2,221	2,873	0
Missouri	820	9,239	14,167	4,607	1,188	363
Montana	424	6,401	4,673	779	355	1
Nebraska	3,871	3,915	5,336	1,270	1,148	25
Nevada	2,293	1,712	1,770	415	204	0
New Hampshire	328	1,066	1,496	382	141	0
New Jersey	113	817	3,632	2,125	2,864	185
New Mexico	2,089	2,358	3,523	1,760	646	60
New York	1,983	11,787	8,348	1,984	1,784	220
North Carolina	3,382	6,342	8,072	1,621	1,126	0
North Dakota	2,838	5,185	4,799	792	117	0
Ohio	4,217	9,598	11,828	2,223	725	0
Oklahoma	1,203	6,317	11,008	3,397	4,727	313
Oregon	2,667	4,546	8,292	1,162	376	27
Pennsylvania	663	5,559	14,045	4,314	3,243	27
Rhode Island	178	340	858	256	112	0
South Carolina	877	6,743	7,655	1,089	1,013	0
South Dakota	1,377	3,208	7,676	1,317	879	420
Tennessee	4,418	6,289	5,557	797	244	0
Texas	3,873	18,853	41,781	9,254	2,918	189
Utah	695	2,175	4,279	457	127	59
Vermont	183	1,064	1,508	660	438	0
Virginia	2,813	6,020	9,940	1,468	780	59
Washington	2,953	4,924	7,689	1,490	737	843
West Virginia	329	2,270	4,982	1,127	1,392	0
Wisconsin	2,623	7,398	13,579	1,846	2,463	41
Wyoming	1,812	3,496	1,985	216	42	21
United States, total	116,520	256,146	372,002	101,482	65,874	4,732

**NOTE:** Road condition ratings are derived from the International Roughness Index (IRI) and the Present Serviceability Rating (PSR). States are required to report to the Federal Highway Administration (FHWA) IRI data for the Interstate system, other principal arterials, rural minor arterials, and the National Highway System regardless of functional system. The IRI is also recommended by FHWA for measuring all other functional classifications because the IRI uses a more standardized and objective measurement methodology. However, where PSR is still in use, the mileage for the PSR and IRI are combined for purposes of this table.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, tables HM-63 and HM-64, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Nov. 24, 2004.



**Table 1-5: Number of Road Bridges by Functional System: 2003**

State	Urban					Rural			
	Interstate	Other freeways and	Other arterial	Collector	Local	Interstate	Other arterial	Collector	Local
Alabama	558	84	862	227	797	604	2,581	5,664	4,337
Alaska	27	16	85	22	36	158	193	260	378
Arizona	279	249	754	359	604	1,269	1,530	1,134	782
Arkansas	346	113	686	132	365	471	2,237	5,001	3,105
California	2,496	2,783	4,276	833	1,783	1,243	2,989	3,240	4,112
Colorado	4	63	382	162	328	994	1,923	1,838	2,404
Connecticut	695	483	692	460	344	135	322	419	622
Delaware	90	28	159	78	49	0	126	101	209
District of Columbia	65	32	88	13	46	0	0	6	0
Florida	1,008	1,058	1,873	793	1,149	752	1,879	1,408	1,530
Georgia	512	199	1,610	460	1,054	489	2,387	4,011	3,733
Hawaii	193	84	143	72	99	3	239	148	116
Idaho	69	2	223	74	94	316	532	916	1,827
Illinois	1,178	139	2,221	713	805	1,064	2,442	4,609	12,490
Indiana	717	207	1,312	504	737	759	1,344	5,046	7,512
Iowa	255	0	895	203	456	392	2,281	7,541	12,969
Kansas	430	224	750	227	406	577	2,674	8,454	11,885
Kentucky	417	149	564	156	87	352	1,512	4,725	5,564
Louisiana	816	162	758	68	813	729	1,985	3,112	4,949
Maine	96	20	149	79	50	177	320	734	742
Maryland	619	293	563	250	686	245	481	862	996
Massachusetts	888	283	1,415	420	423	244	292	495	540
Michigan	804	267	1,399	445	521	381	1,174	2,577	3,086
Minnesota	414	199	889	265	324	294	1,663	3,240	5,688
Mississippi	236	109	431	198	328	530	2,639	4,585	7,774
Missouri	638	924	631	498	1,081	413	2,520	5,206	11,876
Montana	83	0	84	11	7	735	1,040	1,008	2,132
Nebraska	126	44	354	87	123	218	2,118	3,608	8,777
Nevada	164	87	221	179	186	307	135	166	167
New Hampshire	101	42	179	51	71	260	319	449	877
New Jersey	891	591	1,760	506	708	163	418	553	787
New Mexico	224	0	377	111	133	634	1,000	816	540
New York	1,281	807	2,294	667	1,028	800	2,015	3,422	5,054
North Carolina	494	399	1,290	352	1,125	437	1,700	3,717	7,679
North Dakota	59	0	131	18	24	146	587	876	2,677
Ohio	1,353	776	1,951	983	1,291	931	2,240	7,172	11,205
Oklahoma	486	370	954	478	529	691	2,575	7,332	9,836
Oregon	261	91	597	215	173	399	1,160	2,090	2,215
Pennsylvania	960	746	2,340	803	1,269	1,105	3,067	4,583	7,016
Rhode Island	123	106	253	66	59	14	38	50	39
South Carolina	264	63	525	297	295	450	1,386	2,583	3,286
South Dakota	67	0	135	39	49	382	975	1,335	2,984
Tennessee	710	278	1,794	397	915	649	2,628	5,386	6,732
Texas	3,050	2,972	5,230	1,121	3,825	3,105	7,661	11,341	10,189
Utah	379	20	263	84	234	446	337	470	560
Vermont	58	24	65	41	31	256	363	692	1,156
Virginia	933	356	1,288	386	565	711	1,629	2,741	4,447
Washington	570	306	801	184	244	361	968	1,948	2,054
West Virginia	204	29	243	85	143	449	735	2,105	2,875
Wisconsin	521	477	1,188	192	379	598	2,035	2,763	5,459
Wyoming	159	5	117	46	36	764	501	520	890
United States, total	27,371	16,759	48,244	15,110	26,907	27,602	75,895	143,058	208,859

**NOTE:** Some discrepancies exist between the total number of bridges reported in tables 1-5, 1-6, and 1-7 because of differences in the version of the bridge database used, bridges not identified by one or more of the variables, and other anomalies.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, Office of Bridge Technology, National Bridge Inventory database, Nov. 19, 2004.

**Table 1-6: Number of Road Bridges by Owner: 2003**

State	Federal	State highway agency	State toll authority	Other state agency	Local highway agency	Local toll authority	Other local agency	Private (including railroad)	Total
Alabama	52	5,556	0	4	9,983	0	25	35	15,655
Alaska	201	738	0	97	123	0	5	6	1,170
Arizona	345	4,390	0	0	2,214	0	5	3	6,957
Arkansas	134	7,017	0	1	5,290	0	2	4	12,448
California	485	11,724	12	99	11,139	9	156	60	23,686
Colorado	195	3,400	0	0	4,443	1	5	54	8,098
Connecticut	7	2,776	0	0	1,238	0	14	1	4,172
Delaware	4	802	0	1	7	21	0	6	841
District of Columbia	35	212	0	0	0	0	0	0	247
Florida	75	5,254	354	99	4,758	5	161	21	10,730
Georgia	58	6,441	0	1	7,751	0	14	60	14,325
Hawaii	3	692	0	1	369	0	0	5	1,071
Idaho	508	1,257	0	12	1,632	0	642	2	4,053
Illinois	27	7,506	433	12	17,468	0	51	149	25,646
Indiana	24	5,103	334	55	12,573	0	4	19	18,117
Iowa	22	4,137	0	16	20,637	3	6	94	24,975
Kansas	77	4,799	370	6	20,228	0	81	11	25,574
Kentucky	95	8,806	0	4	4,537	0	0	33	13,475
Louisiana	195	7,763	0	18	5,272	0	40	7	13,295
Maine	27	1,932	160	9	210	0	0	25	2,364
Maryland	81	2,501	251	30	2,120	0	1	5	4,989
Massachusetts	23	2,884	343	199	1,542	1	8	0	5,000
Michigan	91	4,294	4	2	6,247	0	11	3	10,653
Minnesota	153	3,505	0	17	9,188	0	50	64	12,977
Mississippi	453	5,444	0	0	10,905	0	6	22	16,830
Missouri	47	10,193	0	4	13,490	2	15	22	23,774
Montana	637	2,417	0	0	2,046	0	0	0	5,100
Nebraska	22	3,449	0	34	11,819	0	96	33	15,453
Nevada	36	944	0	1	614	0	8	8	1,611
New Hampshire	54	1,281	155	1	853	1	5	2	2,352
New Jersey	10	2,356	1,115	189	2,496	34	3	38	6,360
New Mexico	213	2,916	0	1	702	0	0	2	3,834
New York	13	7,459	732	71	8,559	167	236	119	17,356
North Carolina	238	16,287	0	9	645	0	2	1	17,182
North Dakota	53	1,106	0	1	3,340	0	9	9	4,518
Ohio	28	8,737	547	98	18,412	0	10	70	27,902
Oklahoma	55	6,703	782	4	15,667	0	1	1	23,213
Oregon	605	2,659	0	4	3,871	2	45	16	7,202
Pennsylvania	65	14,757	733	7	5,987	33	240	309	22,158
Rhode Island	0	587	3	8	139	0	8	1	746
South Carolina	27	8,266	0	1	824	0	2	20	9,140
South Dakota	111	1,806	0	17	4,032	0	0	0	5,966
Tennessee	286	7,937	0	10	11,190	0	33	1	19,457
Texas	203	31,835	46	8	16,070	212	14	14	48,436
Utah	135	1,693	0	2	955	0	6	2	2,793
Vermont	23	1,072	0	0	1,586	0	0	5	2,686
Virginia	221	11,500	0	2	1,092	69	7	125	13,016
Washington	587	3,054	0	9	3,742	0	34	7	7,433
West Virginia	56	6,578	99	0	108	0	17	10	6,868
Wisconsin	108	4,909	0	0	8,581	0	0	31	13,629
Wyoming	242	1,944	0	5	845	0	1	1	3,038
United States, total	7,445	271,378	6,473	1,169	297,539	560	2,079	1,536	588,571

**NOTES:** Some discrepancies exist between the total number of bridges reported in tables 1-5, 1-6, and 1-7 because of differences in the version of the bridge database used, bridges not identified by one or more of the variables, and other anomalies. Other state agency includes state parks, forests, reservations, and other state agencies. Local highway agency includes county, town or township, and city or municipal highway agencies. Other local agency includes local parks, forests, reservations, and other local agencies. Private includes highway bridges owned by railroads and other private entities. The total includes bridges where ownership is unknown.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, Office of Bridge Technology, *National Bridge Inventory: Highway Bridge by Owner*, Washington, DC: 2004, available at <http://www.fhwa.dot.gov/bridge/britab.htm> as of July 20, 2004.

**Table 1-7: Road Bridge Condition: 2003**

State	All bridges (number)	Structurally deficient (number)	Functionally obsolete (number)	Total, structurally deficient and functionally obsolete	
				(number)	(percent)
Alabama	15,715	2,588	2,302	4,890	31.1
Alaska	1,174	144	205	349	29.7
Arizona	6,955	170	540	710	10.2
Arkansas	12,451	1,363	1,959	3,322	26.7
California	23,764	2,907	3,815	6,722	28.3
Colorado	8,097	399	935	1,334	16.5
Connecticut	4,172	339	1,001	1,340	32.1
Delaware	841	42	82	124	14.7
District of Columbia	247	19	141	160	64.8
Florida	11,451	316	1,799	2,115	18.5
Georgia	14,456	1,299	1,753	3,052	21.1
Hawaii	1,097	155	357	512	46.7
Idaho	4,053	307	425	732	18.1
Illinois	25,661	2,442	2,001	4,443	17.3
Indiana	18,138	2,111	2,017	4,128	22.8
Iowa	24,992	5,329	1,836	7,165	28.7
Kansas	25,620	3,304	2,714	6,018	23.5
Kentucky	13,523	1,175	2,872	4,047	29.9
Louisiana	13,394	2,220	2,226	4,446	33.2
Maine	2,364	365	480	845	35.7
Maryland	4,994	417	1,015	1,432	28.7
Massachusetts	4,999	624	1,931	2,555	51.1
Michigan	10,654	1,811	1,311	3,122	29.3
Minnesota	12,975	1,172	513	1,685	13.0
Mississippi	16,830	3,701	1,333	5,034	29.9
Missouri	23,787	5,275	3,108	8,383	35.2
Montana	5,098	583	507	1,090	21.4
Nebraska	15,455	2,608	1,474	4,082	26.4
Nevada	1,612	62	144	206	12.8
New Hampshire	2,352	367	428	795	33.8
New Jersey	6,377	854	1,441	2,295	36.0
New Mexico	3,835	388	341	729	19.0
New York	17,382	2,234	4,409	6,643	38.2
North Carolina	17,193	2,365	2,834	5,199	30.2
North Dakota	4,518	829	259	1,088	24.1
Ohio	27,901	3,109	4,041	7,150	25.6
Oklahoma	23,249	7,568	1,503	9,071	39.0
Oregon	7,202	561	1,203	1,764	24.5
Pennsylvania	22,176	5,474	3,878	9,352	42.2
Rhode Island	748	191	208	399	53.3
South Carolina	9,149	1,240	818	2,058	22.5
South Dakota	5,966	1,047	486	1,533	25.7
Tennessee	19,490	1,653	2,950	4,603	23.6
Texas	48,492	2,777	7,543	10,320	21.3
Utah	2,793	270	247	517	18.5
Vermont	2,686	491	469	960	35.7
Virginia	13,055	1,161	2,244	3,405	26.1
Washington	7,427	436	1,527	1,963	26.4
West Virginia	6,862	1,081	1,497	2,578	37.6
Wisconsin	13,651	1,762	888	2,650	19.4
Wyoming	3,038	421	222	643	21.2
United States, total	590,111	79,526	80,232	159,758	27.1

**NOTE:** Some discrepancies exist between the total number of bridges reported in tables 1-5, 1-6, and 1-7 because of differences in the version of the bridge database used, bridges not identified by one or more of the variables, and other anomalies.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *National Bridge Inventory: Deficient Bridges by State and Highway System*, Washington, DC: 2004, available at <http://www.fhwa.dot.gov/bridge/britab.htm> as of June 9, 2004.

**Table 1-8: Motor Bus Transit Route Mileage: 2002**

State	Directional route-miles		
	Exclusive right-of-way	Controlled right-of-way	Mixed right-of-way
Alabama	0.0	0.0	3,414.8
Alaska	0.0	0.0	301.2
Arizona	0.0	87.6	11,629.4
Arkansas	0.0	0.0	493.7
California	147.4	297.7	34,548.7
Colorado	39.1	9.8	6,515.9
Connecticut	51.1	0.0	3,375.6
Delaware	0.0	0.0	1,416.0
District of Columbia	0.0	92.7	2,791.0
Florida	19.2	25.7	12,805.6
Georgia	64.2	13.6	3,519.6
Hawaii	1.2	34.7	878.1
Idaho	0.0	0.0	289.2
Illinois	3.7	0.0	8,432.0
Indiana	0.0	0.0	2,366.8
Iowa	0.0	0.0	1,313.6
Kansas	0.0	0.0	770.9
Kentucky	0.0	0.0	2,436.0
Louisiana	12.5	0.0	1,682.3
Maine	0.0	0.0	279.0
Maryland	0.0	17.0	5,048.3
Massachusetts	1.1	12.4	6,501.1
Michigan	0.0	0.0	5,587.5
Minnesota	365.3	60.3	4,823.7
Mississippi	0.0	0.0	422.0
Missouri	6.7	3.8	3,626.5
Montana	0.0	0.0	443.6
Nebraska	0.0	0.0	983.0
Nevada	4.0	0.0	1,579.4
New Hampshire	0.0	0.0	203.5
New Jersey	0.0	45.0	8,454.2
New Mexico	0.0	0.0	706.0
New York	1.6	130.1	20,117.1
North Carolina	5.6	0.0	3,013.2
North Dakota	0.0	0.0	196.3
Ohio	0.1	1.0	7,912.2
Oklahoma	0.0	0.0	1,103.0
Oregon	1.8	0.6	1,383.0
Pennsylvania	72.5	0.0	10,162.9
Rhode Island	1.6	0.0	457.7
South Carolina	0.0	0.0	1,708.8
South Dakota	0.0	0.0	218.8
Tennessee	0.0	0.0	2,711.9
Texas	282.3	33.4	12,169.7
Utah	30.4	0.0	1,695.7
Vermont	U	U	U
Virginia	0.0	242.0	2,344.1
Washington	411.5	29.3	17,425.2
West Virginia	0.0	0.0	1,044.9
Wisconsin	23.2	0.0	4,713.5
Wyoming	0.0	0.0	81.0
United States, total	1,569.4	1,136.8	226,301.6

**KEY:** U = data are unavailable.

**NOTES:** Directional route-miles is the mileage in each direction over which public transportation vehicles travel while in revenue service. Directional route-miles are a measure of the facility or roadway, not the service carried on the facility, such as the number of routes or vehicle-miles. Directional route-miles are computed with regard to direction of service, but without regard to the number of traffic lanes or rail tracks existing in the right-of-way. Exclusive right-of-way refers to lanes reserved at all times for transit use and other high occupancy vehicles (HOVs). Controlled right-of-way refers to lanes restricted for at least a portion of the day for use by transit vehicles and other HOVs. Mixed right-of-way refers to lanes used for general automobile traffic. Route-miles are assigned to the state of the transit agency's headquarters. U.S. totals include Puerto Rico.

**SOURCE:** U.S. Department of Transportation, Federal Transit Administration, National Transit Database, Data Tables, available at <http://www.ntdprogram.com/> as of June 4, 2004.

**Table 1-9: Characteristics of Rail Transit by Transit Authority: 2002**

Rail transit mode/transit agency	Primary city served	States served	Directional route-miles	Number of crossings	Number of stations <sup>2</sup>	Number of ADA accessible stations <sup>3</sup>
<b>Heavy rail, total</b>	<b>11</b>	<b>12</b>	<b>1,572.0</b>	<b>27</b>	<b>994</b>	<b>366</b>
Metropolitan Atlanta Rapid Transit Auth.	Atlanta	GA	96.1	0	38	38
Maryland Transit Administration	Baltimore	MD	29.4	0	14	14
Massachusetts Bay Transportation Auth.	Boston	MA	76.3	0	53	40
Chicago Transit Auth.	Chicago	IL	206.3	25	144	64
Greater Cleveland Regional Transit Auth.	Cleveland	OH	38.1	0	18	9
L.A. County Metropolitan Transportation Auth.	Los Angeles	CA	31.9	0	16	16
Miami-Dade Transit Agency	Miami	FL	42.2	0	21	21
MTA New York City Transit	New York	NY	493.8	0	468	44
MTA Staten Island Railway	New York	NY	28.6	0	23	4
Port Authority Trans-Hudson Corporation	New York	NY, NJ	25.0	2	11	5
Port Authority Transit Corporation	Philadelphia	PA, NJ	31.5	0	13	5
Southeastern Pennsylvania Transportation Auth.	Philadelphia	PA	76.1	0	53	13
San Francisco Bay Area Rapid Transit District	San Francisco	CA	190.1	0	39	39
Washington Metropolitan Area Transit Auth.	Washington	DC, MD, VA	206.6	0	83	54
<b>Light rail, total</b>	<b>25</b>	<b>19</b>	<b>990.1</b>	<b>3,408</b>	<b>635</b>	<b>450</b>
Maryland Transit Administration	Baltimore	MD	57.6	52	32	32
Massachusetts Bay Transportation Auth.	Boston	MA	51.0	56	78	16
Niagara Frontier Transit Metro System	Buffalo	NY	12.4	8	15	7
Greater Cleveland Regional Transit Auth.	Cleveland	OH	30.4	22	34	8
Dallas Area Rapid Transit Auth.	Dallas	TX	71.9	83	29	29
McKinney Avenue Transit Auth.	Dallas	TX	2.8	U	0	0
Regional Transportation District	Denver	CO	31.6	39	20	20
Detroit Department of Transportation	Detroit	MI	1.3	8	8	0
Island Transit	Galveston	TX	11.8	57	3	0
Metro Transit Auth. of Harris County	Houston	TX	15.0	64	16	16
Kenosha Transit	Kenosha	WI	1.9	19	2	1
Los Angeles County Metropolitan Trans Auth.	Los Angeles	CA	82.4	77	36	36
Memphis Area Transit Auth.	Memphis	TN	5.8	0	1	1
Regional Transit Auth.	New Orleans	LA	16.0	124	9	9
New Jersey Transit Corporation	Newark	NJ	24.9	27	26	15
Southeastern Pennsylvania Transportation Auth.	Philadelphia	PA	69.3	1,702	68	3
Port Authority of Allegheny County	Pittsburgh	PA	34.8	39	14	14
Portland Streetcar	Portland	OR	4.8	87	0	0
Tri-County Metropolitan Trans District	Portland	OR	81.3	196	52	52
Sacramento Regional Transit District	Sacramento	CA	40.7	90	29	29
Bi-State Development Agency	St. Louis	MO, IL	68.8	23	26	26
Utah Transit Auth.	Salt Lake City	UT	34.2	65	20	20
San Diego Trolley	San Diego	CA	96.6	96	49	48
San Francisco Municipal Railway	San Francisco	CA	72.9	351	9	9
Santa Clara Valley Trans Auth.	San Jose	CA	58.4	97	44	44
Central Puget Sound Regional Trans Auth.	Seattle	WA	3.2	12	5	5
King County Department of Transportation	Seattle	WA	3.7	14	0	0
Hillsborough Area Regional Transit Auth.	Tampa	FL	4.6	U	10	10
<b>Commuter rail, total<sup>1</sup></b>	<b>17</b>	<b>19</b>	<b>6,835.2</b>	<b>2,505</b>	<b>1,139</b>	<b>628</b>
Alaska Railroad Corporation	Anchorage	AK	92.4	27	7	7
Maryland Transit Administration	Baltimore	MD, DC, WV	400.4	40	40	19
Massachusetts Bay Transportation Auth.	Boston	MA, RI	711.3	0	124	78
Vermont Transportation Auth.	Burlington	VT	25.0	U	3	3
NE Illinois Regional Commuter Rail Corporation	Chicago	IL, WI	940.4	512	227	131
Northern Indiana Commuter Trans District	Chicago	IL, IN	179.8	117	20	11
Trinity Railway Express	Dallas	TX	69.5	34	9	9
Southern California Regional Rail Auth.	Los Angeles	CA	768.8	438	51	51
South Florida Regional Transportation Auth.	Miami	FL	142.2	72	18	18
Connecticut Department of Transportation	New Haven	CT	101.2	3	8	8
MTA Long Island Rail Road	New York	NY	638.2	402	124	99
MTA Metro-North Railroad	New York	NY, NJ, CT	545.7	162	109	29
New Jersey Transit Corporation	New York	NY, NJ, PA	975.2	329	162	46
Pennsylvania Department of Transportation	Philadelphia	PA	144.4	7	4	3
Southeastern Pennsylvania Transportation Auth.	Philadelphia	PA	449.2	116	153	48
N. San Diego County Transit Development Board	San Diego	CA	82.2	8	8	8
Peninsula Corridor Joint Powers Board	San Francisco	CA	153.7	49	34	22
Altamont Commuter Express Auth.	San Jose	CA	172.0	127	10	10
Central Puget Sound Regional Transit Auth.	Seattle	WA	78.6	39	7	7
ON TRACK	Syracuse	NY	3.5	U	3	3
Virginia Railway Express	Washington	DC, VA	161.5	23	18	18
<b>United States, total</b>	<b>33</b>	<b>28</b>	<b>9,397.3</b>	<b>5,940</b>	<b>2,768</b>	<b>1,444</b>

<sup>1</sup> Excludes commuter-type services operated independently by Amtrak.

<sup>2</sup> Many light rail lines have numerous stops in the street that do not meet the definition of station.

<sup>3</sup> Additional stations may be wheelchair accessible but not comply with other provisions of the Americans with Disabilities Act.

**KEY:** MTA = Metropolitan Transportation Authority; U = data are unavailable.

**NOTE:** Does not include several other transit rail systems including aerial tramway, automated guideway, inclined plane, and monorail. For definition of directional route-miles see table 1-8.

**SOURCE:** American Public Transportation Association, 2004 *Public Transportation Fact Book*, Washington, DC: 2004, available at <http://www.apta.com/research/stats/rail/index.cfm> as of June 3, 2004.

**Table 1-10: Civil and Joint-Use Airports, Heliports, STOLports, and Seaplane Bases: 2004<sup>1</sup>**

State	Seaplane				Total
	Airports	Heliports	STOLports	bases	
Alabama	182	88	1	4	275
Alaska	508	35	0	121	664
Arizona	198	109	1	0	308
Arkansas	229	81	0	0	310
California	537	388	2	11	938
Colorado	250	169	6	0	425
Connecticut	55	92	0	6	153
Delaware	32	15	0	1	48
District of Columbia	2	14	0	0	16
Florida	485	278	14	41	818
Georgia	335	104	4	1	444
Hawaii	31	17	0	0	48
Idaho	202	42	2	6	252
Illinois	593	261	2	7	863
Indiana	496	120	3	13	632
Iowa	235	84	2	0	321
Kansas	370	38	1	0	409
Kentucky	144	57	1	1	203
Louisiana	241	236	0	16	493
Maine	100	12	0	34	146
Maryland	153	69	1	7	230
Massachusetts	77	139	1	18	235
Michigan	379	91	2	7	479
Minnesota	385	55	1	75	516
Mississippi	189	50	1	0	240
Missouri	403	129	2	4	538
Montana	234	31	2	2	269
Nebraska	267	36	0	1	304
Nevada	98	30	1	0	129
New Hampshire	52	61	0	8	121
New Jersey	119	251	0	13	383
New Mexico	149	25	0	1	175
New York	400	164	0	20	584
North Carolina	305	74	4	1	384
North Dakota	292	15	0	1	308
Ohio	511	203	4	2	720
Oklahoma	344	92	1	1	438
Oregon	342	102	2	3	449
Pennsylvania	467	317	3	10	797
Rhode Island	10	16	0	1	27
South Carolina	158	29	0	2	189
South Dakota	156	30	0	1	187
Tennessee	189	97	8	2	296
Texas	1,415	450	8	0	1,873
Utah	98	44	0	0	142
Vermont	61	20	3	2	86
Virginia	288	125	3	5	421
Washington	332	134	2	15	483
West Virginia	72	37	1	10	120
Wisconsin	451	89	0	17	557
Wyoming	94	25	0	0	119
United States, total	13,715	5,270	89	491	19,565

<sup>1</sup>Data are current as of June 8, 2004.

**KEY:** STOLport = Short take-off and landing airport.

**NOTE:** This table comprises all U.S. public use and private use airports, heliports, STOLports, and seaplane bases. The United States Fast Facts page (see page v) reports the number of public use facilities only. Public use facilities are open to the public with no prior authorization or permission required. Private use facilities are not open to the general public and include medical, law enforcement, corporate, and other such facilities.

**SOURCE:** U.S. Department of Transportation, Federal Aviation Administration, Office of Airports, Airport Safety Data Branch.

**Table 1-11: Top 50 Commercial Service Airport Enplanements by Air Carrier Category: 2003  
(For airports with scheduled service and 2,500 or more passengers enplaned)**

Airport and state	Rank	Commuter and			Foreign air carriers	Total enplanements
		Large certificated air carriers	small certificated air carriers	Air taxi commuter operators		
Hartsfield - Jackson Atlanta International, GA	1	38,178,225	77,282	55	638,108	38,893,670
Chicago O'Hare International, IL	2	30,811,852	16,677	158	2,091,700	32,920,387
Los Angeles International, CA	3	20,905,091	33,422	280	5,300,791	26,239,584
Dallas/Fort Worth International, TX	4	24,520,600	177,230	20	279,031	24,976,881
Phoenix Sky Harbor International, AZ	5	17,173,954	873,900	296	204,703	18,252,853
Denver International, CO	6	17,250,047	469,112	75	250,520	17,969,754
McCarran International, NV	7	16,641,653	52,319	7,933	395,833	17,097,738
George Bush Intercontinental, TX	8	15,550,777	26,335	0	557,572	16,134,684
Minneapolis-St Paul International/Wold-Chamberlain, MN	9	15,347,174	615,736	343	59,735	16,022,988
Detroit Metropolitan Wayne County, MI	10	14,649,683	922,745	111	181,478	15,754,017
John F. Kennedy International, NY	11	10,807,151	13,543	72	4,855,586	15,676,352
Newark Liberty International, NJ	12	13,116,332	35,419	568	1,476,389	14,628,708
Miami International, FL	13	11,123,128	176,985	371	2,897,837	14,198,321
San Francisco International, CA	14	12,230,829	584	132	1,847,628	14,079,173
Orlando International, FL	15	12,038,436	532,443	149	804,134	13,375,162
Seattle-Tacoma International, WA	16	12,793,522	4,084	77	311,470	13,109,153
Philadelphia International, PA	17	10,184,185	1,347,831	761	338,151	11,870,928
Charlotte/Douglas International, NC	18	9,567,505	1,878,251	132	19,478	11,465,366
La Guardia, NY	19	10,149,101	900,093	183	317,932	11,367,309
General Edward Lawrence Logan International, MA	20	9,561,887	335,617	204	1,190,091	11,087,799
Cincinnati/Northern Kentucky International, KY	21	10,270,705	137,230	78	41,917	10,449,930
Lambert-St Louis International, MO	22	9,265,790	644,682	52	11,932	9,922,456
Baltimore-Washington International, MD	23	9,426,303	120,635	310	220,792	9,768,040
Honolulu International, HI	24	7,536,819	138,481	114	1,368,995	9,044,409
Salt Lake City International, UT	25	8,879,611	51,269	1,702	25,421	8,958,003
Chicago Midway International, IL	26	8,655,709	24,762	1,029	5,715	8,687,215
Fort Lauderdale/Hollywood International, FL	27	8,059,823	216,707	3,632	402,619	8,682,781
Washington Dulles International, VA	28	6,931,519	24,977	918	1,093,092	8,050,506
Tampa International, FL	29	7,331,114	191,770	135	149,514	7,672,533
San Diego International, CA	30	7,431,900	34,286	200	98,810	7,565,196
Pittsburgh International, PA	31	5,853,312	1,247,546	129	12,473	7,113,460
Ronald Reagan Washington National, VA	32	6,072,606	662,758	0	77,784	6,813,148
Metropolitan Oakland International, CA	33	6,515,448	3,872	153	118,870	6,638,343
Portland International, OR	34	5,952,595	10,537	706	96,022	6,059,860
Memphis International, TN	35	4,505,084	872,702	270	33,440	5,411,496
Norman Y. Mineta San Jose International, CA	36	5,032,897	7,661	144	63,499	5,104,201
Cleveland-Hopkins International, OH	37	4,802,945	183,075	85	26,341	5,012,446
Kansas City International, MO	38	4,809,618	37,858	64	12,507	4,860,047
Luis Munoz Marin International, PR	39	4,574,744	41,869	0	90,233	4,706,846
Louis Armstrong New Orleans International, LA	40	4,545,868	59,608	3,201	39,029	4,647,706
Sacramento International, CA	41	4,364,543	2,395	12	23,897	4,390,847
John Wayne Airport-Orange County, CA	42	4,222,103	43,722	258	0	4,266,083
Nashville International, TN	43	3,771,231	156,801	676	14,528	3,943,236
Raleigh-Durham International, NC	44	3,722,479	173,968	151	42327	3,938,925
William P. Hobby, TX	45	3,703,175	25	567	0	3,703,767
Indianapolis International, IN	46	3,406,956	255,424	193	11,075	3,673,648
Austin-Bergstrom International, TX	47	3,131,204	33,767	78	12,840	3,177,889
San Antonio International, TX	48	3,045,066	20,744	17	54,271	3,120,098
General Mitchell International, WI	49	2,645,062	443,729	2,540	23,533	3,114,864
Bradley International, CT	50	3,016,267	60,550	37	21,702	3,098,556
<b>Top 50 total</b>		<b>494,083,628</b>	<b>14,393,018</b>	<b>29,371</b>	<b>28,211,345</b>	<b>536,717,362</b>
<b>Total U.S. enplanements<sup>1</sup></b>		<b>593,456,748</b>	<b>26,350,673</b>	<b>1,089,960</b>	<b>29,911,404</b>	<b>650,808,785</b>

<sup>1</sup>United States total includes Puerto Rico and other U.S. territories.

**NOTE:** Rank order by total enplaned passengers on air carriers of all types, including foreign air carriers. Data differ from those in table 4-6, which include only enplanements on large certificated U.S. air carriers.

**SOURCE:** U.S. Department of Transportation, Federal Aviation Administration, Airports Planning, CY 2003 Enplanement Activity at U.S. Commercial Service Airports, available at <http://www.faa.gov/arp/planning/stats/> as of December 2004.

**Table 1-12: Commercial Service Airport Enplanements by State and Air Carrier Category: 2003**  
**(For airports with scheduled service and 2,500 or more passengers enplaned)**

State	Large certificated air carriers	Commuter and small certificated air carriers	Air taxi commuter operators	Foreign air carriers	Total enplanements
Alabama	2,117,886	352,043	529	0	2,470,458
Alaska	2,683,833	1,094,293	160,628	289,517	4,228,271
Arizona	18,919,111	1,113,867	273,580	218,881	20,525,439
Arkansas	1,485,909	127,406	608	0	1,613,923
California	69,472,038	444,347	36,437	7,500,182	77,453,004
Colorado	18,856,128	695,170	1,057	250,520	19,802,875
Connecticut	3,016,658	81,342	252	21,702	3,119,954
Delaware	NA	NA	NA	NA	NA
District of Columbia	NA	NA	NA	NA	NA
Florida	50,036,668	1,785,387	20,314	4,779,943	56,622,312
Georgia	39,289,449	158,698	225	638,322	40,086,694
Hawaii	13,016,946	273,285	148,493	1,426,776	14,865,500
Idaho	1,652,366	27,147	1,313	0	1,680,826
Illinois	40,478,683	99,362	2,229	2,097,518	42,677,792
Indiana	4,155,180	432,398	494	11,075	4,599,147
Iowa	1,308,379	192,638	481	48	1,501,546
Kansas	579,675	159,412	2,200	0	741,287
Kentucky	12,236,219	447,472	2,299	41,922	12,727,912
Louisiana	5,466,099	195,855	3,523	39,029	5,704,506
Maine	714,651	185,462	8,000	60,461	968,574
Maryland	9,426,303	179,409	408	220,792	9,826,912
Massachusetts	9,573,179	667,486	149,987	1,190,091	11,580,743
Michigan	16,939,294	1,188,353	18,465	181,513	18,327,625
Minnesota	15,702,132	624,810	902	59,735	16,387,579
Mississippi	1,037,566	101,181	155	0	1,138,902
Missouri	14,355,973	768,351	548	24,439	15,149,311
Montana	1,220,090	92,662	11,943	0	1,324,695
Nebraska	1,795,081	227,187	343	36	2,022,647
Nevada	18,966,568	163,520	155,497	395,905	19,681,490
New Hampshire	1,723,629	85,229	284	195	1,809,337
New Jersey	13,589,493	64,050	2,319	1,476,389	15,132,251
New Mexico	2,888,796	107,710	1,877	0	2,998,383
New York	27,421,635	1,917,335	3,682	5,192,403	34,535,055
North Carolina	14,727,769	2,599,281	455	62,041	17,389,546
North Dakota	540,378	23,974	6,794	0	571,146
Ohio	9,126,930	1,102,170	960	45,084	10,275,144
Oklahoma	2,854,734	168,703	62	120	3,023,619
Oregon	6,623,426	80,576	1,250	96,022	6,801,274
Pennsylvania	17,203,802	3,101,705	1,566	356,962	20,664,035
Rhode Island	2,507,690	59,211	505	2,099	2,569,505
South Carolina	2,177,965	568,793	313	189	2,747,260
South Dakota	504,057	57,225	4,869	0	566,151
Tennessee	9,067,918	1,362,098	2,551	48,137	10,480,704
Texas	57,102,472	299,000	2,369	917,678	58,321,519
Utah	8,934,270	53,058	3,094	25,421	9,015,843
Vermont	386,372	159,910	170	0	546,452
Virginia	16,146,551	1,319,093	3,647	1,182,351	18,651,642
Washington	14,600,039	59,867	2,090	318,584	14,980,580
West Virginia	187,923	138,867	358	0	327,148
Wisconsin	4,135,850	703,624	6,524	23,533	4,869,531
Wyoming	266,176	94,631	245	0	361,052
United States, total <sup>1</sup>	593,456,748	26,350,673	1,089,960	29,911,404	650,808,785

<sup>1</sup>United States total includes Puerto Rico and other U.S. territories.

**KEY:** NA = not applicable.

**SOURCE:** U.S. Department of Transportation, Federal Aviation Administration, Airport Planning, CY 2003 Enplanement Activity at U.S. Commercial Service Airports, available at <http://www.faa.gov/arp/planning/stats/> as of December 2004.



**Table 1-13: Number of Freight Railroads by Class: 2002**

State	Class I	Regional	Local	Switching and terminal	Canadian <sup>1</sup>	Total
Alabama	5	0	13	5	0	23
Alaska	0	1	0	0	0	1
Arizona	2	0	6	2	0	10
Arkansas	3	1	15	5	0	24
California	2	1	13	14	0	30
Colorado	2	3	5	3	0	13
Connecticut	1	2	5	0	0	8
Delaware	2	0	1	3	0	6
District of Columbia	2	0	0	1	0	3
Florida	2	1	10	1	0	14
Georgia	2	0	16	1	0	19
Hawaii	0	0	0	0	0	0
Idaho	2	2	4	1	0	9
Illinois	7	4	11	16	0	38
Indiana	5	1	19	13	0	38
Iowa	4	3	6	4	0	17
Kansas	4	6	2	4	0	16
Kentucky	4	1	9	0	0	14
Louisiana	6	0	8	2	0	16
Maine	0	2	4	1	0	7
Maryland	2	1	4	2	0	9
Massachusetts	1	2	5	2	0	10
Michigan	4	1	11	7	0	23
Minnesota	4	5	8	2	1	20
Mississippi	5	0	15	5	0	25
Missouri	5	2	2	7	0	16
Montana	2	2	3	0	0	7
Nebraska	2	3	3	3	0	11
Nevada	2	0	0	0	0	2
New Hampshire	0	1	8	1	0	10
New Jersey	2	1	6	6	1	16
New Mexico	2	0	2	1	0	5
New York	2	4	21	7	2	36
North Carolina	2	0	13	8	0	23
North Dakota	2	3	1	0	0	6
Ohio	3	2	13	16	0	34
Oklahoma	3	1	11	5	0	20
Oregon	2	3	8	6	0	19
Pennsylvania	2	4	29	26	1	62
Rhode Island	0	1	0	0	0	1
South Carolina	2	0	8	4	0	14
South Dakota	2	2	5	2	0	11
Tennessee	6	0	14	4	0	24
Texas	3	2	19	20	0	44
Utah	2	0	2	2	0	6
Vermont	0	1	6	1	0	8
Virginia	2	0	5	2	0	9
Washington	2	2	9	6	0	19
West Virginia	2	1	3	1	0	7
Wisconsin	4	3	2	1	0	10
Wyoming	2	1	1	1	0	5
United States, total	7	31	309	205	2	554

<sup>1</sup>Refers to non-Class I, Canadian-owned lines.

**NOTES:**

1. As defined by the Surface Transportation Board in 2002, a Class I Railroad is a railroad with operating revenues of at least \$272 million.
2. A Regional Railroad is a non-Class I, line-haul railroad operating 350 or more miles of road or with revenues of at least \$40 million or both.
3. A Local Railroad is a railroad which is neither a Class I nor a Regional Railroad, and is engaged primarily in line-haul service.
4. A Switching and Terminal Railroad is a non-Class I Railroad engaged primarily in switching and/or terminal services for other railroads.

**SOURCE:** Association of American Railroads, *Railroads and States - 2002*, Washington, DC: 2004, available at <http://www.aar.org/AboutTheIndustry/StateInformation.asp> as of June 1, 2004.

**Table 1-14: Miles of Freight Railroad Operated by Class of Railroad: 2002<sup>1</sup>**

State	Class I	Regional	Local	Switching and terminal		Total
				Canadian <sup>3</sup>		
Alabama	3,149	0	359	226	0	3,734
Alaska	0	482	0	0	0	482
Arizona	1,259	0	372	203	0	1,834
Arkansas	2,604	208	594	111	0	3,517
California	5,746	52	790	910	0	7,498
Colorado	3,005	157	307	124	0	3,593
Connecticut	69	417	232	0	0	718
Delaware	246	0	24	20	0	290
District of Columbia	34	0	0	5	0	39
Florida	1,897	386	669	4	0	2,956
Georgia	3,516	0	1,303	1	0	4,820
Hawaii	0	0	0	0	0	0
Idaho	1,000	101	543	71	0	1,715
Illinois	7,929	623	660	395	0	9,607
Indiana	3,830	37	1,056	220	0	5,143
Iowa	2,954	989	315	50	0	4,308
Kansas	4,148	1,865	60	274	0	6,347
Kentucky	2,385	290	149	0	0	2,824
Louisiana	2,784	0	560	52	0	3,396
Maine	0	914	279	2	0	1,195
Maryland	834	125	174	18	0	1,151
Massachusetts	436	511	298	6	0	1,251
Michigan	2,755	396	1,124	223	0	4,498
Minnesota	3,899	922	788	128	44	5,781
Mississippi	2,008	0	443	157	0	2,608
Missouri	4,159	488	102	125	0	4,874
Montana	2,263	868	165	0	0	3,296
Nebraska	2,696	326	505	15	0	3,542
Nevada	2,009	0	0	0	0	2,009
New Hampshire	0	172	301	12	0	485
New Jersey	1,581	78	196	875	68	2,798
New Mexico	2,172	0	94	60	0	2,326
New York	2,250	533	1,227	131	816	4,957
North Carolina	2,580	0	543	222	0	3,345
North Dakota	2,541	1,244	10	0	0	3,795
Ohio	4,525	561	1,043	393	0	6,522
Oklahoma	2,536	78	925	312	0	3,851
Oregon	1,447	798	421	147	0	2,813
Pennsylvania	3,649	608	1,612	653	445	6,967
Rhode Island	0	102	0	0	0	102
South Carolina	2,097	0	256	95	0	2,448
South Dakota	936	793	186	22	0	1,937
Tennessee	2,111	0	688	34	0	2,833
Texas	11,407	937	686	978	0	14,008
Utah	1,770	0	254	44	0	2,068
Vermont	0	56	433	16	0	505
Virginia	3,194	0	181	63	0	3,438
Washington	2,390	370	679	109	0	3,548
West Virginia	2,371	10	104	3	0	2,488
Wisconsin	3,484	570	120	7	0	4,181
Wyoming	1,846	6	25	30	0	1,907
<b>United States, total<sup>2</sup></b>	<b>99,943</b>	<b>15,048</b>	<b>19,971</b>	<b>6,429</b>	<b>570</b>	<b>141,961</b>

<sup>1</sup>Miles of railroad operated is synonymous with route-miles (so that a mile of single track is counted the same as a mile of double track). Sidings, turnouts, yard switching mileage, and mileage not operated are excluded. Miles operated under trackage rights provided by another (owning) railroad are included.

<sup>2</sup>Does not include trackage rights.

<sup>3</sup>Refers to non-Class I, Canadian-owned lines.

**NOTE:** For definition of railroad types see previous table.

**SOURCE:** Association of American Railroads, *Railroads and States - 2002*, Washington, DC: 2004, available at <http://www.aar.org/AboutTheIndustry/StateInformation.asp> as of June 1, 2004.

**Table 1-15: Top 50 Water Ports by Tonnage: 2003**

Port and state	Rank	Millions of short tons		
		Total	Foreign	Domestic
Port of South Louisiana, LA	1	198.8	80.4	118.4
Houston, TX	2	190.9	126.9	64.0
New York, NY and NJ	3	145.9	79.7	66.2
Beaumont, TX	4	87.5	68.8	18.8
New Orleans, LA	5	83.8	48.9	35.0
Huntington-Tristate, WV, OH, KY	6	77.6	0.0	77.6
Corpus Christi, TX	7	77.2	53.4	23.8
Long Beach, CA	8	69.2	52.4	16.8
Texas City, TX	9	61.3	43.4	17.9
Baton Rouge, LA	10	61.3	23.2	38.1
Port of Plaquemines, LA	11	55.9	19.0	36.9
Lake Charles, LA	12	53.4	31.8	21.6
Los Angeles, CA	13	51.3	42.8	8.5
Mobile, AL	14	50.2	25.0	25.2
Valdez, AK	15	49.9	0.0	49.9
Tampa, FL	16	48.3	17.4	30.9
Pittsburgh, PA	17	41.7	0.0	41.7
Baltimore, MD	18	40.2	24.1	16.1
Duluth-Superior, MN and WI	19	38.3	13.1	25.2
Philadelphia, PA	20	33.2	18.8	14.5
St. Louis, MO and IL	21	32.4	0.0	32.4
Pascagoula, MS	22	31.3	20.8	10.5
Norfolk Harbor, VA	23	31.2	24.3	6.9
Freeport, TX	24	30.5	25.1	5.4
Portland, ME	25	29.2	27.3	1.9
Paulsboro, NJ	26	27.3	18.2	9.1
Port Arthur, TX	27	27.2	18.5	8.7
Portland, OR	28	26.8	15.8	11.0
Marcus Hook, PA	29	26.2	16.1	10.1
Charleston, SC	30	25.2	18.8	6.4
Boston, MA	31	24.8	16.4	8.4
Savannah, GA	32	23.4	21.5	1.9
Port Everglades, FL	33	23.0	10.4	12.6
Richmond, CA	34	23.0	10.9	12.1
Tacoma, WA	35	23.0	15.4	7.6
Chicago, IL	36	22.6	1.7	20.9
Jacksonville, FL	37	21.7	10.8	10.9
Seattle, WA	38	19.4	13.6	5.9
Memphis, TN	39	18.2	0.0	18.2
Honolulu, HI	40	17.8	5.4	12.4
Anacortes, WA	41	15.8	2.6	13.2
San Juan, PR	42	14.6	5.4	9.1
Detroit, MI	43	14.3	3.9	10.4
Indiana Harbor, IN	44	14.1	0.4	13.8
Two Harbors, MN	45	13.0	0.0	13.0
Oakland, CA	46	12.6	10.1	2.6
Cleveland, OH	47	12.6	3.1	9.5
Cincinnati, OH	48	11.8	0.0	11.8
Matagorda Ship Channel, TX	49	11.7	8.0	3.6
Ashtabula, OH	50	10.4	5.8	4.6
<b>Top 50, total</b>		<b>2,151.3</b>	<b>1,099.3</b>	<b>1,052.0</b>
<b>United States, total</b>		<b>2,556.9</b>	<b>1,244.9</b>	<b>1,312.0</b>

**SOURCE:** U.S. Army Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 2003, Part 5 National Summaries*, Alexandria, VA: 2004, available at <http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm> as of December 2004.

## Infrastructure

**Table 1-16: Inland Waterway Mileage: 2004  
(Includes 39 states and the District of Columbia)**

<b>State</b>	<b>Miles</b>	<b>State</b>	<b>Miles</b>
Alabama	1,270	Mississippi	873
Alaska	5,497	Missouri	1,033
Arkansas	1,860	Nebraska	318
California	286	New Hampshire	8
Connecticut	117	New Jersey	360
Delaware	99	New York	394
District of Columbia	7	North Carolina	1,152
Florida	1,540	Ohio	444
Georgia	721	Oklahoma	150
Idaho	111	Oregon	681
Illinois	1,095	Pennsylvania	259
Indiana	353	Rhode Island	39
Iowa	492	South Carolina	482
Kansas	120	South Dakota	75
Kentucky	1,591	Tennessee	946
Louisiana	2,823	Texas	834
Maine	73	Virginia	674
Maryland	532	Washington	1,057
Massachusetts	90	West Virginia	682
Minnesota	258	Wisconsin	231

**NOTES:** Waterway mileages were determined by including the length of channels 1) with a controlling draft of nine feet or greater, 2) with commercial cargo traffic reported for 1998 and 1999, but 3) were not offshore (i.e., channels in coastal areas included only the miles from the entrance channel inward). Channels within major bays are included (e.g., Chesapeake Bay, San Francisco Bay, Puget Sound, Long Island Sound, and major sounds and straits in southeastern Alaska). Channels in the Great Lakes are not included, but waterways connecting lakes and the St. Lawrence Seaway inside the United States are included.

**SOURCE:** U.S. Army Corps of Engineers, Navigation Data Center, National Waterway Network, October 2004.

## **Section B**



## **Safety**



Table 2-1: Highway Traffic Fatalities and Fatality Rates

State	2003 traffic fatalities	2002 traffic fatalities	Licensed drivers 2002 (thousands)	Registered vehicles 2002 (thousands)	Vehicle-miles traveled 2002 (millions)	2002 fatality rate per		
						100,000 licensed drivers	100,000 registered vehicles	100 million vehicle- miles traveled
Alabama	1,001	1,038	3,578	4,490	57,515	29.0	23.1	1.8
Alaska	95	89	480	639	4,896	18.5	13.9	1.8
Arizona	1,120	1,132	3,668	4,159	51,334	30.9	27.2	2.2
Arkansas	627	640	1,965	1,907	30,080	32.6	33.6	2.1
California	4,215	4,088	22,395	30,154	320,942	18.3	13.6	1.3
Colorado	632	743	3,166	2,152	43,545	23.5	34.5	1.7
Connecticut	294	325	2,672	2,977	31,205	12.2	10.9	1.0
Delaware	142	124	573	688	8,875	21.6	18.0	1.4
District of Columbia	67	47	309	239	3,547	15.2	19.7	1.3
Florida	3,169	3,136	12,744	14,309	178,367	24.6	21.9	1.8
Georgia	1,603	1,524	6,013	7,757	108,321	25.3	19.6	1.4
Hawaii	135	119	815	913	8,886	14.6	13.0	1.3
Idaho	293	264	907	1,429	14,167	29.1	18.5	1.9
Illinois	1,453	1,420	8,033	9,809	105,401	17.7	14.5	1.3
Indiana	834	792	4,221	5,800	72,523	18.8	13.7	1.1
Iowa	441	405	1,993	3,451	30,847	20.3	11.7	1.3
Kansas	471	507	1,935	2,390	28,443	26.2	21.2	1.8
Kentucky	928	915	2,773	3,649	46,841	33.0	25.1	2.0
Louisiana	894	907	3,168	3,714	43,295	28.6	24.4	2.1
Maine	207	216	949	999	14,727	22.8	21.6	1.5
Maryland	649	661	3,523	3,941	53,702	18.8	16.8	1.2
Massachusetts	462	459	4,686	5,537	53,266	9.8	8.3	0.9
Michigan	1,283	1,277	7,025	8,738	100,144	18.2	14.6	1.3
Minnesota	657	657	2,997	4,679	54,562	21.9	14.0	1.2
Mississippi	871	885	1,861	1,982	36,429	47.6	44.7	2.4
Missouri	1,232	1,208	3,931	4,299	68,163	30.7	28.1	1.8
Montana	262	269	695	1,086	10,395	38.7	24.8	2.6
Nebraska	293	307	1,275	1,681	18,719	24.1	18.3	1.6
Nevada	368	381	1,461	1,289	17,966	26.1	29.6	2.1
New Hampshire	127	127	955	1,201	12,578	13.3	10.6	1.0
New Jersey	747	771	5,712	6,822	69,942	13.5	11.3	1.1
New Mexico	439	449	1,244	1,573	22,789	36.1	28.5	2.0
New York	1,491	1,530	10,914	10,598	133,057	14.0	14.4	1.1
North Carolina	1,531	1,576	5,943	6,241	92,894	26.5	25.3	1.7
North Dakota	105	97	461	716	7,336	21.0	13.5	1.3
Ohio	1,277	1,418	7,708	10,741	107,861	18.4	13.2	1.3
Oklahoma	668	739	2,324	3,138	45,731	31.8	23.6	1.6
Oregon	512	436	2,564	3,144	34,578	17.0	13.9	1.3
Pennsylvania	1,577	1,614	8,324	9,775	104,476	19.4	16.5	1.5
Rhode Island	104	84	721	799	8,142	11.7	10.5	1.0
South Carolina	968	1,053	2,919	3,265	47,290	36.1	32.3	2.2
South Dakota	203	180	546	848	8,499	33.0	21.2	2.1
Tennessee	1,193	1,177	4,206	4,861	68,229	28.0	24.2	1.7
Texas	3,675	3,823	13,185	14,899	221,026	29.0	25.7	1.7
Utah	309	328	1,530	1,889	24,564	21.4	17.4	1.3
Vermont	69	78	529	564	9,677	14.7	13.8	0.8
Virginia	943	914	5,158	6,343	77,450	17.7	14.4	1.2
Washington	600	658	4,381	5,471	54,776	15.0	12.0	1.2
West Virginia	394	439	1,325	1,494	20,005	33.1	29.4	2.2
Wisconsin	848	803	3,530	4,762	58,746	22.7	16.9	1.4
Wyoming	165	176	303	628	9,007	58.1	28.0	2.0
United States, total	42,643	43,005	194,296	225,685	2,855,756	22.1	19.1	1.5

**NOTE:** The number shown for registered vehicles for the United States is approximately 4 percent lower than the sum of the registered vehicle numbers shown for the individual states due to differing data sources.

**SOURCES:** U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2002*, Washington, DC: 2003, available at <http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2002Final.pdf> as of Oct. 27, 2004; U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2003 Early Edition*, Washington, DC: 2004, available at <http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2003EarlyEdition.pdf> as of Oct. 27, 2004; U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2002*, Washington, DC: 2003, available at <http://www.fhwa.dot.gov/policy/ohim/hs02/vm2.htm> as of Oct. 27, 2004.

**Table 2-2: Passenger Car and Light Truck Occupants Killed and Restraint Use: 2003**

State	Restraint used		No restraint used		Restraint use unknown		Total occupants killed	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	334	40.0	459	55.0	41	4.9	834	100.0
Alaska	24	37.5	28	43.8	12	18.8	64	100.0
Arizona	285	35.5	414	51.6	103	12.8	802	100.0
Arkansas	136	27.1	312	62.3	53	10.6	501	100.0
California	1,446	49.3	1,032	35.2	454	15.5	2,932	100.0
Colorado	199	40.8	287	58.8	2	0.4	488	100.0
Connecticut	83	37.7	100	45.5	37	16.8	220	100.0
Delaware	51	46.4	57	51.8	2	1.8	110	100.0
District of Columbia	13	31.7	17	41.5	11	26.8	41	100.0
Florida	840	39.9	1,245	59.1	20	1.0	2,105	100.0
Georgia	493	39.5	592	47.5	162	13.0	1,247	100.0
Hawaii	41	48.2	39	45.9	5	5.9	85	100.0
Idaho	94	38.5	142	58.2	8	3.3	244	100.0
Illinois	373	35.1	509	47.9	180	16.9	1,062	100.0
Indiana	286	44.4	296	46.0	62	9.6	644	100.0
Iowa	138	39.8	147	42.4	62	17.9	347	100.0
Kansas	118	30.0	251	63.9	24	6.1	393	100.0
Kentucky	240	31.6	515	67.8	5	0.7	760	100.0
Louisiana	205	30.0	410	60.0	68	10.0	683	100.0
Maine	62	36.9	87	51.8	19	11.3	168	100.0
Maryland	227	49.9	212	46.6	16	3.5	455	100.0
Massachusetts	92	28.5	176	54.5	55	17.0	323	100.0
Michigan	479	49.9	348	36.3	133	13.9	960	100.0
Minnesota	215	41.2	285	54.6	22	4.2	522	100.0
Mississippi	243	32.2	507	67.2	5	0.7	755	100.0
Missouri	282	28.4	621	62.5	91	9.2	994	100.0
Montana	69	30.3	152	66.7	7	3.1	228	100.0
Nebraska	71	28.4	151	60.4	28	11.2	250	100.0
Nevada	99	38.8	145	56.9	11	4.3	255	100.0
New Hampshire	26	28.6	63	69.2	2	2.2	91	100.0
New Jersey	160	46.6	161	46.9	22	6.4	343	100.0
New Mexico	98	30.2	218	67.1	9	2.8	325	100.0
New York	453	49.2	362	39.3	106	11.5	921	100.0
North Carolina	601	49.5	526	43.3	87	7.2	1,214	100.0
North Dakota	16	19.5	61	74.4	5	6.1	82	100.0
Ohio	372	37.6	588	59.5	29	2.9	989	100.0
Oklahoma	193	35.3	350	64.0	4	0.7	547	100.0
Oregon	233	58.4	132	33.1	34	8.5	399	100.0
Pennsylvania	385	32.9	614	52.5	170	14.5	1,169	100.0
Rhode Island	23	31.1	47	63.5	4	5.4	74	100.0
South Carolina	238	31.2	496	65.1	28	3.7	762	100.0
South Dakota	34	20.1	120	71.0	15	8.9	169	100.0
Tennessee	316	32.7	597	61.8	53	5.5	966	100.0
Texas	1,368	49.0	1,348	48.3	74	2.7	2,790	100.0
Utah	102	42.3	137	56.8	2	0.8	241	100.0
Vermont	28	50.9	21	38.2	6	10.9	55	100.0
Virginia	256	33.9	429	56.8	70	9.3	755	100.0
Washington	245	55.1	177	39.8	23	5.2	445	100.0
West Virginia	116	37.1	178	56.9	19	6.1	313	100.0
Wisconsin	237	36.3	355	54.4	61	9.3	653	100.0
Wyoming	49	38.0	78	60.5	2	1.6	129	100.0
United States, total	12,787	40.1	16,594	52.0	2,523	7.9	31,904	100.0

**NOTES:** Fatalities in this table include passenger car and light truck occupants only. Occupants of other vehicle types - heavy trucks, motorcycles, and buses - are excluded as are other types of highway-related fatalities such as pedestrian fatalities. Hence, the fatalities represented here are lower than those in table 2-1. Percents may not add to totals due to rounding.

**SOURCE:** U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2003 Early Edition*, Washington, DC: 2004, available at <http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2003EarlyEdition.pdf> as of Oct. 27, 2004.



**Table 2-3: Large Truck Involvement in Fatal Crashes: 2003**

State	Total occupant fatalities in all motor vehicle crashes	Total vehicles involved in fatal motor vehicle crashes	Large trucks			
			Occupant fatalities		Involved in fatal crashes	
			Number	Percent of total	Number	Percent of total
Alabama	924	1,387	23	2.5	148	10.7
Alaska	83	122	0	0.0	4	3.3
Arizona	979	1,512	12	1.2	102	6.7
Arkansas	586	810	22	3.8	99	12.2
California	3,381	5,725	41	1.2	332	5.8
Colorado	567	869	7	1.2	61	7.0
Connecticut	258	399	9	3.5	24	6.0
Delaware	122	234	0	0.0	15	6.4
District of Columbia	49	98	0	0.0	0	0.0
Florida	2,554	4,432	47	1.8	343	7.7
Georgia	1,425	2,277	39	2.7	208	9.1
Hawaii	105	169	1	1.0	4	2.4
Idaho	278	357	5	1.8	38	10.6
Illinois	1,244	2,012	19	1.5	178	8.8
Indiana	764	1,247	23	3.0	166	13.3
Iowa	417	564	8	1.9	61	10.8
Kansas	441	655	9	2.0	73	11.1
Kentucky	859	1,290	19	2.2	117	9.1
Louisiana	797	1,186	18	2.3	112	9.4
Maine	193	285	1	0.5	14	4.9
Maryland	524	1,000	9	1.7	63	6.3
Massachusetts	364	619	3	0.8	34	5.5
Michigan	1,081	1,887	12	1.1	110	5.8
Minnesota	598	880	4	0.7	62	7.0
Mississippi	822	1,121	12	1.5	66	5.9
Missouri	1,141	1,663	39	3.4	153	9.2
Montana	248	322	4	1.6	21	6.5
Nebraska	279	398	10	3.6	52	13.1
Nevada	291	498	9	3.1	36	7.2
New Hampshire	105	168	1	1.0	13	7.7
New Jersey	589	1,057	8	1.4	57	5.4
New Mexico	384	502	13	3.4	39	7.8
New York	1,113	1,989	17	1.5	147	7.4
North Carolina	1,357	2,138	23	1.7	158	7.4
North Dakota	98	138	1	1.0	14	10.1
Ohio	1,165	1,875	11	0.9	147	7.8
Oklahoma	626	930	30	4.8	104	11.2
Oregon	455	626	6	1.3	52	8.3
Pennsylvania	1,380	2,233	28	2.0	213	9.5
Rhode Island	89	143	2	2.2	6	4.2
South Carolina	876	1,344	18	2.1	96	7.1
South Dakota	192	227	2	1.0	14	6.2
Tennessee	1,089	1,623	21	1.9	113	7.0
Texas	3,232	5,040	88	2.7	438	8.7
Utah	279	377	4	1.4	18	4.8
Vermont	61	98	1	1.6	12	12.2
Virginia	847	1,311	17	2.0	121	9.2
Washington	512	798	2	0.4	39	4.9
West Virginia	371	544	7	1.9	55	10.1
Wisconsin	781	1,136	10	1.3	89	7.8
Wyoming	157	197	8	5.1	28	14.2
United States, total	37,132	58,512	723	1.9	4,669	8.0

**SOURCES:** U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2003: Overview*, Washington, DC: 2004, available at <http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSF2003/809767.pdf> as of Sep. 30, 2004; U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2003 Early Edition*, Washington, DC: 2004, available at <http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2003EarlyEdition.pdf> as of Oct. 27, 2004.

**Table 2-4: Key Provisions of Safety Belt Use Laws: 2002**

State	Effective <sup>1</sup>	Enforcement <sup>2</sup>	Fine	Seats covered	Vehicles exempted <sup>9</sup>
Alabama	7/18/1992	Primary	\$25	Front	Designed for > 10 passengers; model year <1965. Exemptions for medical reasons, rural mail carriers, and paper delivery.
Alaska	9/12/1990	Secondary	\$15	All	School bus.
Arizona	1/1/1991	Secondary	\$10	All	Designed for > 10 passengers; model year < 1972.
Arkansas	7/15/1991	Secondary	\$25	Front	School, church, or public bus; model year <1968.
California	1/1/1986	Primary	\$20	All	None.
Colorado	7/1/1987	Secondary	\$17	Front	Passenger bus, school bus, farm tractor, implements of husbandry.
Connecticut	1/1/1986	Primary	\$37	Front	Truck or bus >15,000 lbs.
Delaware	1/1/1992	Secondary	\$20	Front	Postal service vehicles.
District of Columbia	12/12/1985	Primary	\$50 <sup>5</sup>	All	Seating >8 people.
Florida	7/1/1986	Secondary	\$30	Front	School bus, public bus, truck >5,000 lbs.
Georgia	9/1/1988	Primary	\$15	Front	Designed for > 10 passengers; pickup truck.
Hawaii	2/16/1985	Primary	\$45	Front	Bus or school bus >10,000 lbs.
Idaho	7/1/1986	Secondary	\$5	Front	>8,000 lbs.
Illinois	7/1/1985	Secondary	\$25	Front	None.
Indiana	7/1/1987	Primary	\$25	Front	Truck, tractor, RV.
Iowa	7/1/1986	Primary	\$25	Front	None.
Kansas	7/1/1986	Secondary	\$10	Front	Designed for > 10 people; truck > 12,000 lbs.
Kentucky	7/13/1994	Secondary	\$25	All	Designed for > 10 people.
Louisiana	7/1/1986	Primary	\$25	Front	Designed for > 10 people; model year <1981.
Maine	12/27/1995	Secondary	\$25-\$50	All seats	
Maryland	7/1/1986	Primary	\$25	Front	Historic vehicle.
Massachusetts	2/1/1994	Secondary	\$25	All seats	Truck > 18,000 lbs; bus and taxi operators.
Michigan	7/1/1985	Primary	\$25	Front	Taxi, bus, school bus.
Minnesota	8/1/1986	Secondary	\$25	Front	Farm pickup truck.
Mississippi	3/20/1990	Secondary	\$25	Front	Farm vehicle, bus; exemptions for medical reasons and letter carriers.
Missouri	9/28/1985	Secondary	\$10	Front	Designed for > 10 people; truck >12,000 lbs.
Montana	10/1/1987	Secondary	\$20	All	Specially licensed motor vehicles and vehicles that make frequent stops.
Nebraska	1/1/1993	Secondary	\$25	Front	Model year < 1973.
Nevada	7/1/1987	Secondary	\$25	All	Taxi, bus, school bus.
New Hampshire	None	No adult law	NA	NA	School bus, vehicle for hire; model year <1968.
New Jersey	3/1/1985	Primary	\$20 <sup>6</sup>	Front	None.
New Mexico	1/1/1986	Primary	\$25 <sup>5</sup>	All	>10,000 lbs.
New York	12/1/1984	Primary	\$50-\$100 <sup>7</sup>	Front	Bus, school bus, taxi, emergency vehicle.
North Carolina	10/1/1985	Primary	\$25	Front	Designed for > 10 people.
North Dakota	7/14/1994	Secondary	\$20	Front	Designed for > 10 people.
Ohio	5/6/1986	Secondary	\$25	Front	None.
Oklahoma	2/1/1987	Primary	\$20	Front	Farm vehicle, truck, truck tractor, RV.
Oregon	12/7/1990	Primary	\$75	All	Newspaper, mail, meter, transit vehicle. <sup>10</sup>
Pennsylvania	11/23/1987	Secondary <sup>3</sup>	\$10	Front	Truck >7,000 lbs.
Rhode Island	6/18/1991	Secondary	\$50	All	Manufactured before July 1, 1966; letter carriers; persons with physical/medical reasons, with a note from a licensed physician.
South Carolina	7/1/1989	Secondary	\$10	All	School bus, public bus; vehicle with no belts in rear seating areas.
South Dakota	1/1/1995	Secondary	\$20	Front	Passenger bus, school bus.
Tennessee	4/21/1986	Secondary	\$10	Front	>8,500 lbs.
Texas	9/1/1985	Primary	\$25-\$50	Front	Designed for > 10 people, truck over 15,000 lbs, farm vehicle.
Utah	4/28/1986	Secondary	\$45	All	None.
Vermont	1/1/1994	Secondary	\$10	All	Bus, taxi.
Virginia	1/1/1988	Secondary	\$25	Front	Designed for > 10 people, taxi.
Washington	6/11/1986	Primary <sup>4</sup>	\$86	All	Designed for > 10 people.
West Virginia	9/1/1993	Secondary	\$25	Front	Designed for > 10 people.
Wisconsin	12/1/1987	Secondary	\$10	All	Taxi, farm truck.
Wyoming	6/8/1989	Secondary	\$25 <sup>8</sup>	All	Persons with physical/medical exemption documented by physician's signature; postal vehicles; children riding in child seats as required by law.

<sup>1</sup>Effective date of first belt law in the state; <sup>2</sup>Primary enforcement enables police officers to stop vehicles and write citations whenever they observe a violation of the seat belt law. Secondary enforcement allows police officers to write a citation for seat belt infractions only after stopping a vehicle for some other traffic infraction; <sup>3</sup>Pennsylvania's fine is \$10, but with court, EMS, judicial, and computer costs the ticket total is \$51.50; <sup>4</sup>Effective June 2002; <sup>5</sup>Plus 2 points on license; <sup>6</sup>\$20 for seat belt violation, \$10-\$25 for child seat violation; <sup>7</sup>Plus 3 points on license. Front seat passengers 16 and older can be fined up to \$50 and drivers can be fined up to \$100 for each passenger under 16 not wearing a seat belt; <sup>8</sup>Fine for driver is \$25, fine for passengers over 12 years is \$10; <sup>9</sup>Most states exempt vehicles not manufactured with seatbelts; <sup>10</sup>Police/emergency vehicles exempted in some situations.

**KEY:** NA = not applicable; RV = recreational vehicle.

**SOURCE:** U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2003 Early Edition*, Washington, DC: 2004, available at <http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2003EarlyEdition.pdf> as of Oct. 27, 2004.

Table 2-5: Helmet Use Laws: 2004<sup>1</sup>

State	Motorcycle riders covered by helmet law	Bicycle riders covered by helmet law
Alabama	All riders	Younger than 16
Alaska	Younger than 18 <sup>2</sup>	No law
Arizona	Younger than 18	No law
Arkansas	Younger than 21	No law
California	All riders	Younger than 18
Colorado	No law	No law
Connecticut	Younger than 18	Younger than 16
Delaware	Younger than 19	Younger than 16
District of Columbia	All riders	Younger than 16
Florida	Younger than 21 <sup>3</sup>	Younger than 16
Georgia	All riders	Younger than 16
Hawaii	Younger than 18	Younger than 16
Idaho	Younger than 18	No law
Illinois	No law	No law
Indiana	Younger than 18	No law
Iowa	No law	No law
Kansas	Younger than 18	No law
Kentucky	Younger than 21 <sup>3,4</sup>	No law
Louisiana	All riders <sup>5</sup>	Younger than 12
Maine	Younger than 15 <sup>6</sup>	Younger than 16
Maryland	All riders	Younger than 16
Massachusetts	All riders	Younger than 13 <sup>11</sup>
Michigan	All riders	No law
Minnesota	Younger than 18 <sup>4</sup>	No law
Mississippi	All riders	No law
Missouri	All riders	No law
Montana	Younger than 18	No law
Nebraska	All riders	No law
Nevada	All riders	No law
New Hampshire	No law	No law
New Jersey	All riders	Younger than 14
New Mexico	Younger than 18	No law
New York	All riders	Younger than 14 <sup>11</sup>
North Carolina	All riders	Younger than 16
North Dakota	Younger than 18 <sup>7</sup>	No law
Ohio	Younger than 18 <sup>8</sup>	No law
Oklahoma	Younger than 18	No law
Oregon	All riders	Younger than 16
Pennsylvania	Younger than 21 <sup>9</sup>	Younger than 12
Rhode Island	Younger than 21 <sup>10</sup>	Younger than 16
South Carolina	Younger than 21	No law
South Dakota	Younger than 18	No law
Tennessee	All riders	Younger than 16
Texas	Younger than 21 <sup>3</sup>	No law
Utah	Younger than 18	No law
Vermont	All riders	No law
Virginia	All riders	No law
Washington	All riders	No law
West Virginia	All riders	Younger than 15
Wisconsin	Younger than 18 <sup>4</sup>	No law
Wyoming	Younger than 19	No law

<sup>1</sup>Laws in effect as of July 1, 2004; <sup>2</sup>Alaska's motorcycle helmet use law covers passengers of all ages, drivers younger than 18, and drivers with instructional permits; <sup>3</sup>Florida, Kentucky, and Texas provide exceptions for riders over a certain age. In Florida and Kentucky, the law requires that all riders younger than 21 years wear helmets, without exception. In Florida, those 21 years and older may ride without helmets only if they can show proof that they are covered by a medical insurance policy. Texas exempts riders 21 years and older if they can prove they either have successfully completed a motorcycle operator training and safety course or if they can show proof of having a medical insurance policy; <sup>4</sup>Motorcycle helmet laws in Kentucky, Minnesota, and Wisconsin also cover drivers with instructional or learner's permits; <sup>5</sup>Law became effective August 15, 2004; <sup>6</sup>Maine's motorcycle helmet use law covers passengers 14 years and younger, drivers with learner's permits, and passengers if their drivers are required to wear a helmet; <sup>7</sup>North Dakota's motorcycle helmet use law covers all passengers travelling with drivers who are covered by the law; <sup>8</sup>Ohio's motorcycle helmet use law covers all drivers during the first year of licensure and all passengers; <sup>9</sup>Pennsylvania's motorcycle helmet use law covers all drivers during the first two years of licensure unless the driver has completed the safety course approved by the Pennsylvania Department of Transportation and the Motorcycle Safety Foundation; <sup>10</sup>Rhode Island's motorcycle helmet use law covers all drivers during the first year of licensure and all passengers; <sup>11</sup>Bicycle helmet use laws in Massachusetts and New York prohibit people from transporting passengers younger than 1 year old.

**SOURCE:** Insurance Institute for Highway Safety-Highway Loss Data Institute, Helmet Use Laws, available at [http://www.hwysafety.org/safety\\_facts/state\\_laws/helmet\\_use.htm](http://www.hwysafety.org/safety_facts/state_laws/helmet_use.htm) as of July 22, 2004.

**Table 2-6: Safety Belt Use  
(Percent of drivers and passengers in the front right seat)**

State	1999	2001	2003	2004
Alabama	58	79	77	80
Alaska	61	63	79	77
Arizona	71	74	86	95
Arkansas	57	55	63	64
California	89	91	91	90
Colorado	65	72	78	79
Connecticut	73	78	78	83
Delaware	64	67	75	82
District of Columbia	78	84	85	87
Florida	59	70	73	76
Georgia	74	79	85	87
Hawaii	80	83	92	95
Idaho	58	60	72	74
Illinois	66	71	80	83
Indiana	57	67	82	83
Iowa	78	81	87	86
Kansas	63	61	64	68
Kentucky	59	62	66	66
Louisiana	67	68	74	75
Maine	N	N	N	72
Maryland	83	83	88	89
Massachusetts	52	56	62	63
Michigan	70	82	85	91
Minnesota	72	74	79	82
Mississippi	55	62	62	63
Missouri	61	68	73	76
Montana	74	76	80	81
Nebraska	68	70	76	79
Nevada	80	75	79	87
New Hampshire	N	N	50	N
New Jersey	63	78	81	82
New Mexico	88	88	87	90
New York	76	80	85	85
North Carolina	78	83	86	86
North Dakota	47	58	64	67
Ohio	65	67	75	74
Oklahoma	61	68	77	80
Oregon	83	88	90	93
Pennsylvania	70	71	79	82
Rhode Island	67	63	74	76
South Carolina	65	70	73	66
South Dakota	N	63	70	69
Tennessee	61	68	69	72
Texas	74	76	84	83
Utah	67	78	85	86
Vermont	70	67	82	80
Virginia	70	72	75	80
Washington	81	83	95	94
West Virginia	52	52	74	76
Wisconsin	65	69	70	72
Wyoming	N	N	N	70
United States	67	73	79	80

**KEY:** N = data do not exist.

**SOURCES:** U.S. Department of Transportation, National Highway Traffic Safety Administration, *Safety Belt Use in 2004 - Use Rates in the States and Territories*, Washington, DC: November 2004, available at <http://www.nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/RNotes/2004/809813.pdf> as of Dec. 1, 2004.

**Table 2-7: Pedestrian Fatalities Involving Motor Vehicles: 2003**

State	Total traffic fatalities	Pedestrians killed	Pedestrian fatalities as percent of total	Population (thousands)	Pedestrian fatality rate per 100,000 population
Alabama	1,001	62	6.2	4,501	1.4
Alaska	95	8	8.4	649	1.2
Arizona	1,120	121	10.8	5,581	2.2
Arkansas	627	40	6.4	2,726	1.5
California	4,215	701	16.6	35,484	2.0
Colorado	632	56	8.9	4,551	1.2
Connecticut	294	34	11.6	3,483	1.0
Delaware	142	19	13.4	817	2.3
District of Columbia	67	18	26.9	563	3.2
Florida	3,169	500	15.8	17,019	2.9
Georgia	1,603	156	9.7	8,685	1.8
Hawaii	135	24	17.8	1,258	1.9
Idaho	293	13	4.4	1,366	1.0
Illinois	1,453	188	12.9	12,654	1.5
Indiana	834	62	7.4	6,196	1.0
Iowa	441	18	4.1	2,944	0.6
Kansas	471	25	5.3	2,724	0.9
Kentucky	928	61	6.6	4,118	1.5
Louisiana	894	87	9.7	4,496	1.9
Maine	207	13	6.3	1,306	1.0
Maryland	649	114	17.6	5,509	2.1
Massachusetts	462	86	18.6	6,433	1.3
Michigan	1,283	166	12.9	10,080	1.6
Minnesota	657	53	8.1	5,059	1.0
Mississippi	871	40	4.6	2,881	1.4
Missouri	1,232	78	6.3	5,704	1.4
Montana	262	10	3.8	918	1.1
Nebraska	293	12	4.1	1,739	0.7
Nevada	368	65	17.7	2,241	2.9
New Hampshire	127	19	15.0	1,288	1.5
New Jersey	747	147	19.7	8,638	1.7
New Mexico	439	51	11.6	1,875	2.7
New York	1,491	334	22.4	19,190	1.7
North Carolina	1,531	150	9.8	8,407	1.8
North Dakota	105	7	6.7	634	1.1
Ohio	1,277	99	7.8	11,436	0.9
Oklahoma	668	36	5.4	3,512	1.0
Oregon	512	46	9.0	3,560	1.3
Pennsylvania	1,577	170	10.8	12,365	1.4
Rhode Island	104	13	12.5	1,076	1.2
South Carolina	968	80	8.3	4,147	1.9
South Dakota	203	10	4.9	764	1.3
Tennessee	1,193	96	8.0	5,842	1.6
Texas	3,675	382	10.4	22,119	1.7
Utah	309	28	9.1	2,351	1.2
Vermont	69	7	10.1	619	1.1
Virginia	943	86	9.1	7,386	1.2
Washington	600	75	12.5	6,131	1.2
West Virginia	394	22	5.6	1,810	1.2
Wisconsin	848	54	6.4	5,472	1.0
Wyoming	165	7	4.2	501	1.4
United States, total	42,643	4,749	11.1	290,810	1.6

**SOURCE:** U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2003: Pedestrians*, Washington, DC: 2004, available at <http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/availinf.html> as of Oct. 11, 2004.

**Table 2-8: Fatalities in Motor Vehicle Crashes Involving High Blood Alcohol Concentration (BAC ≥ 0.08 grams per deciliter)**

State	2002			2003		
	Total fatalities	Fatalities involving high blood alcohol	Percent	Total fatalities	Fatalities involving high blood alcohol	Percent
Alabama	1,038	366	35	1,001	376	38
Alaska	89	35	39	95	31	33
Arizona	1,132	428	38	1,120	408	36
Arkansas	640	206	32	627	203	32
California	4,088	1,326	32	4,215	1,378	33
Colorado	743	276	37	632	221	35
Connecticut	325	125	38	294	114	39
Delaware	124	42	34	142	51	36
District of Columbia	47	22	47	67	29	43
Florida	3,136	1,107	35	3,169	1,089	34
Georgia	1,524	445	29	1,603	420	26
Hawaii	119	39	33	135	54	40
Idaho	264	75	28	293	90	31
Illinois	1,420	556	39	1,453	539	37
Indiana	792	216	27	834	223	27
Iowa	405	110	27	441	119	27
Kansas	507	200	39	471	182	39
Kentucky	915	263	29	928	240	26
Louisiana	907	365	40	894	363	41
Maine	216	47	22	207	69	33
Maryland	661	223	34	649	208	32
Massachusetts	459	191	42	462	170	37
Michigan	1,277	425	33	1,283	395	31
Minnesota	657	211	32	657	231	35
Mississippi	885	295	33	871	288	33
Missouri	1,208	448	37	1,232	425	34
Montana	269	107	40	262	108	41
Nebraska	307	96	31	293	99	34
Nevada	381	143	38	368	159	43
New Hampshire	127	45	35	127	43	34
New Jersey	771	240	31	747	240	32
New Mexico	449	192	43	439	170	39
New York	1,530	403	26	1,491	458	31
North Carolina	1,576	527	33	1,531	474	31
North Dakota	97	40	41	105	47	45
Ohio	1,418	491	35	1,277	402	31
Oklahoma	739	215	29	668	220	33
Oregon	436	153	35	512	175	34
Pennsylvania	1,614	556	34	1,577	542	34
Rhode Island	84	37	44	104	52	50
South Carolina	1,053	485	46	968	423	44
South Dakota	180	79	44	203	90	44
Tennessee	1,177	412	35	1,193	404	34
Texas	3,823	1,610	42	3,675	1,500	41
Utah	328	65	20	309	39	13
Vermont	78	22	28	69	21	30
Virginia	914	327	36	943	309	33
Washington	658	267	41	600	228	38
West Virginia	439	161	37	394	126	32
Wisconsin	803	322	40	848	340	40
Wyoming	176	60	34	165	50	30
United States, total	43,005	15,097	35	42,643	14,630	34

**SOURCES:** U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2003: Alcohol*, Washington, DC: 2004, available at <http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/availinf.html> as of Nov. 5, 2004; U.S. Department of Transportation, National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS) Web-based Encyclopedia, available at <http://www-fars.nhtsa.dot.gov> as of Nov. 5, 2004.

**Table 2-9: Maximum Posted Speed Limits by Type of Road: 2004 (Speed limit in miles per hour)<sup>1</sup>**

State	Interstate		Other limited-access roads <sup>2</sup>	
	Rural	Urban		Other roads
Alabama	70	65	65	65
Alaska	65	55	65	55
Arizona	75	55	55	55
Arkansas	70, Trucks: 65	55	60	55
California	70, Trucks: 55	65	70	65
Colorado	75	65	65	65
Connecticut	65	55	65	55
Delaware	65	55	65	55
District of Columbia	NA	55	NA	25
Florida	70	65	70	65
Georgia	70	65	65	65
Hawaii	60	50	45	45
Idaho	75, Trucks: 65	75	65	65
Illinois	65, Trucks: 55	55	65	55
Indiana	65, Trucks: 60	55	55	55
Iowa	65	55	65	55
Kansas	70	70	70	65
Kentucky	65	65	65	55
Louisiana	70	70	70	65
Maine	65	65	65	60
Maryland	65	65	65	55
Massachusetts	65	65	65	55
Michigan	70, Trucks: 55	65	70	55
Minnesota	70	65	65	55
Mississippi	70	70	70	65
Missouri	70	60	70	65
Montana	75, Trucks: 65	65	Day: 70, Night: 65	Day: 70, Night: 65
Nebraska	75	65	65	60
Nevada	75	65	70	70
New Hampshire	65	65	55	55
New Jersey	65	55	65	55
New Mexico	75	75	65	55
New York	65	65	65	55
North Carolina	70	70	70	55
North Dakota	75	75	70	65
Ohio	65, Trucks: 55	65	55	55
Oklahoma	75	70	70	70
Oregon	65, Trucks: 55	55	55	55
Pennsylvania	65	55	65	55
Rhode Island	65	55	55	55
South Carolina	70	70	60	55
South Dakota	75	75	65	65
Tennessee	70	70	70	65
Texas	Day: 75, Night and Trucks: 65	Day: 70, Night: 65	Day: 75, Night and Trucks: 65	Day: 60, Night: 55
Utah	75	65	75	65
Vermont	65	55	50	50
Virginia	65	65	65	55
Washington	70, Trucks: 60	60	60	60
West Virginia	70	55	65	55
Wisconsin	65	65	65	55
Wyoming	75	60	65	65

<sup>1</sup> Many roads, particularly urban Interstates, often have a lower posted speed limit than the maximum allowable shown in this table.

<sup>2</sup> Limited-access roads are multilaned roads with restricted access using exit and entrance ramps rather than intersections.

**KEY:** NA = not applicable.

**NOTE:** Interstates are divided into urban and rural sections based primarily on population size and population density.

**SOURCE:** Insurance Institute for Highway Safety - Highway Loss Data Institute, *Maximum Posted Speed Limits for Passenger Vehicles*, available at [http://www.hwysafety.org/safety\\_facts/state\\_laws/speed\\_limit\\_laws.htm](http://www.hwysafety.org/safety_facts/state_laws/speed_limit_laws.htm) as of Oct. 11, 2004.

**Table 2-10: Rail Accidents/Incidents: 2003**

State	Accidents/ Incidents	Fatalities	Injuries
Alabama	260	16	130
Alaska	47	0	43
Arizona	171	17	108
Arkansas	265	9	132
California	964	116	664
Colorado	195	6	119
Connecticut	175	2	127
Delaware	82	3	64
District of Columbia	95	1	79
Florida	392	47	253
Georgia	381	31	213
Hawaii	1	0	1
Idaho	103	5	63
Illinois	1,126	55	833
Indiana	388	27	196
Iowa	234	11	115
Kansas	258	9	139
Kentucky	238	11	133
Louisiana	353	22	171
Maine	43	3	27
Maryland	149	8	92
Massachusetts	234	12	184
Michigan	296	15	181
Minnesota	281	17	168
Mississippi	174	12	92
Missouri	317	20	191
Montana	118	6	71
Nebraska	263	8	158
Nevada	36	6	23
New Hampshire	5	1	3
New Jersey	545	21	439
New Mexico	88	12	54
New York	1,103	30	953
North Carolina	224	21	104
North Dakota	88	6	56
Ohio	492	26	270
Oklahoma	178	19	93
Oregon	178	12	91
Pennsylvania	675	21	475
Rhode Island	30	1	26
South Carolina	167	12	95
South Dakota	58	1	33
Tennessee	292	22	156
Texas	1,036	88	530
Utah	92	4	35
Vermont	25	0	19
Virginia	233	13	158
Washington	272	20	178
West Virginia	132	10	91
Wisconsin	259	16	168
Wyoming	108	5	75
United States, total	13,919	856	8,872

**NOTE:** "Accidents/Incidents" includes all events reportable to the U.S. Department of Transportation, Federal Railroad Administration under applicable regulations. These include: train accidents, reported on Form F 6180.54, comprised of collisions, derailments, and other events involving the operation of on track equipment and causing reportable damage above an established threshold (\$6,700 in 2003); highway-rail grade crossing incidents, reported on Form F 6180.57, involving impact between railroad on-track equipment and highway users at crossings; and other incidents, reported on Form F 6180.55a, involving all other reportable incidents or exposures that cause a fatality or injury to any person, or an occupational illness to a railroad employee.

**SOURCE:** U.S. Department of Transportation, Federal Railroad Administration, *Interim Railroad Safety Statistics Annual Report 2003*, Washington, DC: 2004, table 2-11, available at <http://safetydata.fra.dot.gov/officeofsafety/> as of July 19, 2004.



**Table 2-11: Highway-Rail Grade Crossing Incidents: 2003**

State	Number of			
	Grade	Incidents	Fatalities	Injuries
Alabama	5,285	92	10	38
Alaska	342	1	0	1
Arizona	1,571	39	6	4
Arkansas	4,640	80	7	25
California	12,576	138	26	61
Colorado	3,147	34	1	10
Connecticut	657	4	0	0
Delaware	448	8	0	4
District of Columbia	40	1	0	0
Florida	5,326	94	13	35
Georgia	8,435	112	7	44
Hawaii	8	0	0	0
Idaho	2,524	20	2	4
Illinois	13,104	157	29	70
Indiana	8,808	142	18	37
Iowa	8,385	58	3	18
Kansas	10,555	58	3	28
Kentucky	5,065	90	8	24
Louisiana	6,683	146	15	42
Maine	1,682	11	1	3
Maryland	1,394	21	0	4
Massachusetts	1,642	16	0	3
Michigan	7,939	106	7	28
Minnesota	8,077	74	11	27
Mississippi	4,698	91	9	44
Missouri	7,851	64	9	32
Montana	3,404	26	4	4
Nebraska	6,274	41	5	11
Nevada	549	2	1	2
New Hampshire	637	1	0	0
New Jersey	2,100	49	7	13
New Mexico	1,252	12	3	7
New York	5,944	41	8	7
North Carolina	7,831	72	4	15
North Dakota	6,031	23	6	9
Ohio	9,699	124	13	47
Oklahoma	5,734	67	10	31
Oregon	5,205	31	3	7
Pennsylvania	8,041	86	3	13
Rhode Island	190	2	0	0
South Carolina	4,248	70	5	23
South Dakota	3,407	15	1	6
Tennessee	5,112	85	8	18
Texas	17,219	283	36	104
Utah	1,645	19	0	6
Vermont	1,176	3	0	2
Virginia	4,866	56	7	23
Washington	5,566	44	6	10
West Virginia	3,601	39	3	21
Wisconsin	6,795	74	4	30
Wyoming	1,156	6	2	2
United States, total	248,564	2,928	324	997

**NOTE:** Any impact, regardless of severity, between railroad on-track equipment and any user of a public or private crossing site must be reported to the U.S. Department of Transportation, Federal Railroad Administration on Form F 6180.57. The crossing site includes sidewalks and pathways at, or associated with, the crossing. Counts of fatalities and injuries include motor vehicle occupants, people not in vehicles or on the trains, as well as people on the train or railroad equipment.

**SOURCE:** U.S. Department of Transportation, Federal Railroad Administration, *Interim Railroad Safety Statistics Annual Report 2003*, Washington, DC: 2004, tables 1-12, 1-14, and 9-2, available at <http://safetydata.fra.dot.gov/officeofsafety/> as of July 19, 2004.

**Table 2-12: Highway-Rail Grade Crossings by Type: 2003**

State	Total	Percent of total		
		Public, motor vehicle	Private, motor vehicle	Pedestrian
Alabama	5,285	64.4	35.2	0.4
Alaska	342	65.5	32.2	2.3
Arizona	1,571	57.5	42.1	0.4
Arkansas	4,640	68.1	31.7	0.2
California	12,576	61.7	37.0	1.3
Colorado	3,147	59.9	39.5	0.7
Connecticut	657	56.3	42.3	1.4
Delaware	448	66.5	33.0	0.4
District of Columbia	40	20.0	55.0	25.0
Florida	5,326	74.4	24.4	1.1
Georgia	8,435	69.7	29.8	0.5
Hawaii	8	100.0	0.0	0.0
Idaho	2,524	52.5	47.0	0.6
Illinois	13,104	62.6	35.3	2.1
Indiana	8,808	71.9	27.4	0.8
Iowa	8,385	55.2	44.3	0.5
Kansas	10,555	62.2	37.5	0.3
Kentucky	5,065	49.6	49.7	0.8
Louisiana	6,683	52.0	47.3	0.6
Maine	1,682	49.9	49.6	0.5
Maryland	1,394	49.9	49.6	0.5
Massachusetts	1,642	67.6	31.3	1.1
Michigan	7,939	67.8	31.4	0.8
Minnesota	8,077	62.4	36.9	0.6
Mississippi	4,698	58.0	41.7	0.3
Missouri	7,851	59.1	40.0	0.9
Montana	3,404	43.3	56.3	0.4
Nebraska	6,274	59.7	40.1	0.3
Nevada	549	54.5	45.0	0.5
New Hampshire	637	63.3	35.2	1.6
New Jersey	2,100	72.6	25.2	2.2
New Mexico	1,252	59.1	40.9	0.0
New York	5,944	49.4	49.3	1.3
North Carolina	7,831	57.7	41.6	0.7
North Dakota	6,031	69.1	30.7	0.3
Ohio	9,699	65.9	33.7	0.4
Oklahoma	5,734	72.9	26.8	0.2
Oregon	5,205	44.1	54.1	1.7
Pennsylvania	8,041	59.7	38.9	1.4
Rhode Island	190	62.1	37.4	0.5
South Carolina	4,248	69.1	30.6	0.3
South Dakota	3,407	62.5	37.3	0.2
Tennessee	5,112	63.2	36.3	0.5
Texas	17,219	65.3	34.6	0.2
Utah	1,645	56.2	43.6	0.2
Vermont	1,176	42.2	54.1	3.7
Virginia	4,866	42.2	56.9	0.9
Washington	5,566	47.6	51.3	1.0
West Virginia	3,601	44.0	54.4	1.6
Wisconsin	6,795	61.4	37.2	1.4
Wyoming	1,156	34.1	65.8	0.1
United States, total	248,564	60.6	38.6	0.8

**SOURCE:** U.S. Department of Transportation, Federal Railway Administration, Office of Railway Safety, *Interim Railroad Safety Statistics Annual Report 2003*, Washington, DC: 2004, table 9-2, available at <http://safetydata.fra.dot.gov/officeofsafety> as of July 19, 2004.

**Table 2-13: Warning Devices at Public Highway-Rail Grade Crossings: 2003**

State	Total	Percent of total							
		Cross bucks	Gates	Flashing lights	Stop signs	Unknown	Special warning	HWTS, WW, bells	Other
Alabama	3,406	44.2	15.3	17.8	18.1	3.2	0.8	0.4	0.3
Alaska	224	44.6	22.8	13.4	11.2	4.0	3.1	0.0	0.9
Arizona	903	36.0	42.6	7.1	10.0	2.5	1.2	0.6	0.0
Arkansas	3,159	60.8	12.5	13.6	6.1	3.9	2.2	0.9	0.0
California	7,763	36.3	40.5	12.7	4.0	2.2	0.5	3.5	0.2
Colorado	1,884	48.0	21.7	12.5	11.2	3.2	1.6	1.6	0.2
Connecticut	370	7.6	28.4	38.4	13.0	3.5	7.8	1.4	0.0
Delaware	298	12.4	16.4	58.4	1.3	4.0	7.0	0.3	0.0
District of Columbia	8	0.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0
Florida	3,965	21.3	57.2	14.0	3.4	1.4	2.3	0.3	0.1
Georgia	5,879	43.1	29.5	5.2	17.0	2.9	1.9	0.2	0.1
Hawaii	8	87.5	0.0	0.0	0.0	0.0	0.0	0.0	12.5
Idaho	1,324	33.8	11.2	13.1	40.9	0.6	0.1	0.3	0.0
Illinois	8,204	38.6	29.4	26.5	0.7	2.5	1.4	0.9	0.0
Indiana	6,332	34.0	23.8	23.3	14.4	1.9	1.2	1.3	0.1
Iowa	4,629	55.3	16.0	19.8	7.1	0.7	0.5	0.6	0.0
Kansas	6,561	68.6	15.7	8.7	3.4	1.8	1.0	0.6	0.2
Kentucky	2,510	42.7	16.4	31.4	2.1	4.7	2.0	0.6	0.0
Louisiana	3,478	50.5	17.7	18.2	5.5	6.1	1.0	0.4	0.4
Maine	839	32.7	9.5	47.0	1.3	0.8	8.2	0.5	0.0
Maryland	695	37.7	15.5	30.6	4.7	4.0	3.9	3.3	0.1
Massachusetts	1,110	16.9	23.9	35.9	0.6	4.4	15.7	2.3	0.2
Michigan	5,382	33.5	17.5	25.3	18.5	2.8	1.7	0.6	0.1
Minnesota	5,044	58.0	15.1	10.9	13.4	1.9	0.3	0.2	0.1
Mississippi	2,724	54.0	9.7	19.0	4.4	6.4	1.7	0.3	4.5
Missouri	4,643	55.2	15.4	18.7	2.8	4.7	1.9	1.1	0.1
Montana	1,474	66.1	13.2	10.9	5.4	3.4	0.7	0.2	0.0
Nebraska	3,745	67.0	17.2	6.8	5.6	2.9	0.1	0.3	0.2
Nevada	299	42.5	43.5	8.0	3.0	1.0	0.7	0.3	1.0
New Hampshire	403	27.3	8.7	31.0	9.7	0.5	19.9	2.5	0.5
New Jersey	1,524	20.7	26.0	39.6	1.1	3.5	8.2	0.9	0.0
New Mexico	740	51.2	29.9	14.1	2.4	1.1	0.1	0.7	0.5
New York	2,934	19.8	53.5	15.2	0.5	3.0	5.5	1.6	0.7
North Carolina	4,522	43.5	31.6	15.6	1.3	4.2	3.3	0.4	0.2
North Dakota	4,165	81.6	12.0	1.3	1.5	3.5	0.0	0.0	0.0
Ohio	6,394	41.3	35.9	17.4	2.4	1.3	1.1	0.4	0.2
Oklahoma	4,182	63.7	15.9	13.9	2.7	1.6	1.5	0.5	0.2
Oregon	2,298	37.3	25.2	5.8	18.6	5.2	3.9	1.9	2.0
Pennsylvania	4,799	34.9	15.8	25.2	1.8	6.8	8.6	1.5	5.5
Rhode Island	118	5.9	13.6	20.3	3.4	18.6	18.6	18.6	0.8
South Carolina	2,937	35.9	30.3	15.7	13.6	0.7	3.8	0.1	0.0
South Dakota	2,130	84.7	1.0	9.4	1.3	3.5	0.0	0.0	0.0
Tennessee	3,229	47.7	13.7	21.7	4.9	6.1	5.4	0.5	0.1
Texas	11,236	46.7	33.2	12.1	2.4	4.1	0.8	0.7	0.1
Utah	925	41.7	20.8	16.8	4.8	6.6	8.2	0.6	0.5
Vermont	496	39.5	6.3	38.9	5.0	1.2	8.5	0.6	0.0
Virginia	2,052	23.1	50.5	20.7	0.4	2.3	2.3	0.4	0.2
Washington	2,652	50.3	20.2	14.0	3.4	9.8	1.5	0.9	0.1
West Virginia	1,585	45.1	14.3	29.3	1.5	8.1	1.1	0.3	0.4
Wisconsin	4,169	38.0	15.4	27.3	15.4	0.9	2.1	0.8	0.0
Wyoming	394	31.7	43.7	19.3	1.8	3.0	0.3	0.3	0.0
United States, total	150,744	45.7	24.2	17.0	6.6	3.2	2.1	0.8	0.4

**KEY:** HWTS = highway traffic signals; WW = wigwags.

**NOTE:** Percentages may not total to 100 due to rounding.

**SOURCE:** U.S. Department of Transportation, Federal Railway Administration, Office of Railway Safety, *Interim Railroad Safety Statistics Annual Report 2003*, Washington, DC: 2004, table 9-4, available at <http://safetydata.fra.dot.gov/officeofsafety> as of July 19, 2004.

**Table 2-14: Train Accident/Incident Fatalities by Category of Person Killed: 2003  
(Includes highway-rail crossing)**

State	Worker on duty <sup>1</sup>	Passenger on train	Trespasser	Nontrespasser	Other
Alabama	0	0	6	9	1
Alaska	0	0	0	0	0
Arizona	0	0	13	4	0
Arkansas	0	0	2	7	0
California	4	0	108	3	1
Colorado	0	0	5	1	0
Connecticut	0	0	2	0	0
Delaware	0	0	3	0	0
District of Columbia	0	0	1	0	0
Florida	0	1	43	3	0
Georgia	3	0	24	4	0
Hawaii	0	0	0	0	0
Idaho	1	0	2	2	0
Illinois	0	0	39	16	0
Indiana	0	0	17	10	0
Iowa	1	0	8	2	0
Kansas	0	0	7	2	0
Kentucky	0	0	9	2	0
Louisiana	0	0	8	14	0
Maine	0	0	3	0	0
Maryland	0	0	8	0	0
Massachusetts	1	0	11	0	0
Michigan	1	0	10	4	0
Minnesota	0	0	11	6	0
Mississippi	1	0	3	8	0
Missouri	0	0	13	7	0
Montana	0	0	3	3	0
Nebraska	1	0	4	3	0
Nevada	0	0	5	1	0
New Hampshire	0	0	1	0	0
New Jersey	0	0	20	1	0
New Mexico	0	0	8	4	0
New York	3	0	25	2	0
North Carolina	0	0	19	2	0
North Dakota	0	0	2	4	0
Ohio	1	0	19	6	0
Oklahoma	0	0	12	7	0
Oregon	0	0	10	2	0
Pennsylvania	0	0	20	1	0
Rhode Island	0	0	1	0	0
South Carolina	1	0	8	3	0
South Dakota	0	0	0	1	0
Tennessee	1	0	15	6	0
Texas	2	0	55	31	0
Utah	1	1	2	0	0
Vermont	0	0	0	0	0
Virginia	0	0	10	3	0
Washington	0	0	16	4	0
West Virginia	0	0	8	2	0
Wisconsin	0	0	12	4	0
Wyoming	0	0	3	2	0
United States, total	22	2	634	196	2

<sup>1</sup> Includes railroad employee, contractor, and volunteer.

**NOTE:** As defined by the U.S. Department of Transportation, Federal Railroad Administration, a trespasser is any person on a part of railroad property used in railroad operations whose presence is prohibited, forbidden, or unlawful. Employees who are trespassing on railroad property are reported as trespassers. "Other" includes employees not on duty, nontrespassers off railroad property, and volunteers or contractors who are not engaged in either the operation of on-track equipment or any other safety-sensitive function for the railroad.

**SOURCE:** U.S. Department of Transportation, Federal Railroad Administration, *Interim Railroad Safety Statistics Annual Report 2003*, Washington, DC: 2004, table 3-3, available at <http://safetydata.fra.dot.gov/officeofsafety/> as of July 19, 2004.

**Table 2-15: Train Accident/Incident Injuries by Category of Person Injured: 2003  
(Includes highway-rail crossing)**

State	Worker on duty <sup>1</sup>	Passenger on train	Trespasser	Nontrespasser	Other
Alabama	85	2	14	24	5
Alaska	36	5	2	0	0
Arizona	74	7	19	6	2
Arkansas	94	0	10	25	3
California	461	73	70	17	43
Colorado	94	4	3	8	10
Connecticut	106	8	2	8	3
Delaware	51	4	3	2	4
District of Columbia	68	1	2	4	4
Florida	125	27	34	29	38
Georgia	155	20	20	14	4
Hawaii	1	0	0	0	0
Idaho	57	0	1	3	2
Illinois	479	170	53	74	57
Indiana	147	2	17	26	4
Iowa	91	1	9	10	4
Kansas	93	1	5	29	11
Kentucky	100	1	9	19	4
Louisiana	111	5	14	38	3
Maine	22	0	4	1	0
Maryland	74	7	7	4	0
Massachusetts	156	6	6	7	9
Michigan	132	4	16	22	7
Minnesota	130	2	11	21	4
Mississippi	35	8	13	32	4
Missouri	128	8	15	27	13
Montana	59	2	1	6	3
Nebraska	135	0	6	8	9
Nevada	10	4	6	1	2
New Hampshire	3	0	0	0	0
New Jersey	285	59	17	67	11
New Mexico	35	5	7	5	2
New York	706	57	7	137	46
North Carolina	67	11	8	13	5
North Dakota	43	4	5	3	1
Ohio	198	4	27	31	10
Oklahoma	45	4	6	31	7
Oregon	60	9	5	10	7
Pennsylvania	388	47	11	19	10
Rhode Island	21	1	0	2	2
South Carolina	60	8	12	14	1
South Dakota	25	0	1	6	1
Tennessee	108	1	17	13	17
Texas	332	12	73	91	22
Utah	21	2	4	7	1
Vermont	17	0	1	1	0
Virginia	103	22	17	8	8
Washington	132	14	16	9	7
West Virginia	54	3	9	19	6
Wisconsin	131	4	5	27	1
Wyoming	63	0	1	1	10
United States, total	6,206	639	621	979	427

<sup>1</sup> Includes railroad employee, contractor, and volunteer.

**NOTE:** As defined by the U.S. Department of Transportation, Federal Railroad Administration, a trespasser is any person on a part of railroad property used in railroad operations whose presence is prohibited, forbidden, or unlawful. Employees who are trespassing on railroad property are reported as trespassers. "Other" includes employees not on duty, nontrespassers off railroad property, and volunteers or contractors who are not engaged in either the operation of on-track equipment or any other safety-sensitive function for the railroad.

**SOURCE:** U.S. Department of Transportation, Federal Railroad Administration, *Interim Railroad Safety Statistics Annual Report 2003*, Washington, DC: 2004, table 3-5, available at <http://safetydata.fra.dot.gov/officeofsafety/> as of July 19, 2004.

**Table 2-16: Transit Incidents, Fatalities, Injuries, and Property Damage, All Transit Modes: 2002**

State	Collision			Noncollision			Total property damage (\$ thousands)
	Number of incidents	Fatalities	Injuries	Number of incidents	Fatalities	Injuries	
Alabama	14	0	27	10	0	12	181
Alaska	2	0	6	41	0	33	42
Arizona	57	0	43	10	0	10	97
Arkansas	76	0	9	3	0	1	254
California	950	50	741	1,618	26	1,505	9,748
Colorado	33	0	37	42	0	47	135
Connecticut	54	1	84	32	0	42	1,042
Delaware	1	3	2	0	0	0	0
District of Columbia	427	2	108	843	2	824	737
Florida	1,103	7	829	525	0	475	2,510
Georgia	177	3	190	261	1	244	689
Hawaii	49	3	48	82	0	77	315
Idaho	0	0	0	1	0	1	0
Illinois	1,008	37	856	1,180	16	1,037	2,829
Indiana	158	0	125	66	0	54	728
Iowa	9	0	9	12	0	11	58
Kansas	4	0	6	10	0	10	68
Kentucky	77	2	54	32	0	30	177
Louisiana	27	2	49	9	0	12	61
Maine	3	0	3	5	0	3	21
Maryland	194	4	314	149	0	123	910
Massachusetts	276	7	216	903	16	733	46
Michigan	1,233	4	93	97	0	50	8,762
Minnesota	77	1	83	57	0	55	450
Mississippi	33	0	29	1	0	0	11
Missouri	210	1	213	171	1	162	449
Montana	5	0	4	5	0	5	18
Nebraska	9	0	7	3	0	2	82
Nevada	117	3	169	119	1	106	360
New Hampshire	0	0	0	0	0	0	0
New Jersey	560	8	696	522	25	429	134
New Mexico	50	0	54	1	0	1	10
New York	1,363	26	1,364	5,383	37	3,645	4,336
North Carolina	243	0	237	63	0	46	899
North Dakota	0	0	0	0	0	0	0
Ohio	295	5	348	176	0	167	2,063
Oklahoma	4	0	5	0	0	0	84
Oregon	38	4	49	46	2	60	1,153
Pennsylvania	5,859	2	638	3,843	5	1,589	882
Rhode Island	345	0	59	197	0	3	14
South Carolina	19	0	19	1	0	1	77
South Dakota	0	0	0	2	0	2	0
Tennessee	22	0	29	14	0	15	319
Texas	414	5	572	207	2	162	2,920
Utah	50	2	37	41	0	37	215
Vermont	1	0	0	0	0	0	26
Virginia	189	0	119	86	0	73	254
Washington	191	2	163	164	1	153	1,270
West Virginia	8	0	7	12	0	11	140
Wisconsin	83	0	49	13	0	12	353
Wyoming	2	0	2	0	0	0	5
United States, total	16,119	184	8,801	17,058	135	12,070	45,932

**NOTES:** Collision includes at-grade crossings and suicides. Noncollision includes: 1) derailments/buses going off road; 2) personal casualties in parking facilities, inside vehicles, on right of way, boarding/alighting, and in station/bus stops; 3) evacuations for life safety; and 4) nonarson fires. For an incident to be reportable it must involve a transit vehicle or occur on transit property and either: 1) result in a fatality, injury or transit property damage greater than \$7,500; 2) involve a nonarson fire; 3) involve a mainline derailment; or 4) involve an evacuation due to life safety.

**SOURCE:** U.S. Department of Transportation, Federal Transit Administration, 2002 National Transit Database.

**Table 2-17: Recreational Boating Accidents: 2003**

State	Number of accidents				Number of persons	
	Total	Fatal	Nonfatal injury	Property damage	Killed	Injured
Alabama	83	15	36	32	15	59
Alaska	48	16	12	20	21	20
Arizona	188	5	121	62	7	136
Arkansas	50	6	26	18	6	39
California	797	56	394	347	61	502
Colorado	54	6	41	7	7	50
Connecticut	55	2	26	27	3	39
Delaware	5	1	0	4	1	0
District of Columbia	3	3	0	0	3	0
Florida	752	58	364	330	64	487
Georgia	141	13	93	35	13	109
Hawaii	3	0	3	0	0	5
Idaho	54	7	25	22	7	29
Illinois	82	10	44	28	13	62
Indiana	56	6	30	20	7	50
Iowa	25	0	20	5	0	24
Kansas	35	3	21	11	3	26
Kentucky	55	8	37	10	9	47
Louisiana	130	34	72	24	40	117
Maine	55	7	27	21	7	45
Maryland	146	10	90	46	13	107
Massachusetts	43	7	23	13	8	38
Michigan	218	25	116	77	29	147
Minnesota	106	14	63	29	17	78
Mississippi	41	7	22	12	8	32
Missouri	201	15	121	65	17	170
Montana	11	3	6	2	4	9
Nebraska	39	4	28	7	5	38
Nevada	89	8	51	30	9	80
New Hampshire	49	5	20	24	6	27
New Jersey	85	17	67	1	17	78
New Mexico	31	2	21	8	2	27
New York	224	23	97	104	34	131
North Carolina	144	17	82	45	18	110
North Dakota	10	2	6	2	3	11
Ohio	122	17	59	46	19	83
Oklahoma	72	13	43	16	14	60
Oregon	73	15	36	22	18	54
Pennsylvania	79	9	46	24	11	52
Rhode Island	30	4	9	17	4	14
South Carolina	108	27	47	34	30	137
South Dakota	24	3	11	10	4	174
Tennessee	155	16	102	37	17	33
Texas	198	34	124	40	36	0
Utah	58	6	27	25	6	82
Vermont	2	1	0	1	1	66
Virginia	115	18	55	42	20	9
Washington	126	14	52	60	16	101
West Virginia	14	3	6	5	3	10
Wisconsin	126	19	75	32	20	4
Wyoming	10	2	6	2	2	9
United States, total <sup>1</sup>	5,438	621	2,911	1,906	703	3,888

<sup>1</sup> The U.S. total includes accidents in Guam, Puerto Rico, the Virgin Islands, American Samoa, Northern Mariana Islands, and those occurring offshore.

**NOTES:** An accident is listed under one category only, with fatal being the highest priority, followed by nonfatal injury, followed by property damage. For example, if two vessels are in an accident resulting in a fatality and a nonfatal injury, the accident is counted as a fatal accident involving two vessels.

These data do not include: 1) accidents involving only slight injury not requiring medical treatment beyond first-aid; 2) accidents involving property damage of less than \$2,000; 3) accidents not caused or contributed to by a vessel, its equipment, or its appendages; 4) accidents where a person died or was injured from natural causes while aboard a vessel; 5) accidents in which the boat was used solely as a platform for other activities, such as swimming or skin diving. Such cases are not included because the victims freely left the safety of a boat. However, the data do include accidents involving people in the water who are struck by their boat or another boat; and 6) accidents involving damage, injury, or death on a docked or moored boat resulting from storms, unusual tidal, sea, or swell conditions, or when a vessel got underway in those conditions in an attempt to rescue persons put in peril.

**SOURCE:** U.S. Department of Transportation, U.S. Coast Guard, *Boating Statistics, 2003*, Washington, DC: 2004, available at [http://www.uscgboating.org/statistics/Boating\\_Statistics\\_2003.pdf](http://www.uscgboating.org/statistics/Boating_Statistics_2003.pdf) as of Dec. 1, 2004.

**Table 2-18: Alcohol Involvement in Recreational Boating Accidents: 2003**

State	Total number of accidents	Accidents involving alcohol		
		Total number of accidents	Persons killed	Persons injured
Alabama	83	10	5	15
Alaska	48	9	8	3
Arizona	188	13	2	11
Arkansas	50	4	2	6
California	797	44	25	25
Colorado	54	6	2	5
Connecticut	55	1	0	3
Delaware	5	0	0	0
District of Columbia	3	0	0	0
Florida	752	53	21	42
Georgia	141	20	5	17
Hawaii	3	0	0	0
Idaho	54	16	6	9
Illinois	82	20	10	18
Indiana	56	7	1	12
Iowa	25	5	0	8
Kansas	35	6	2	5
Kentucky	55	5	2	4
Louisiana	130	26	18	30
Maine	55	6	2	10
Maryland	146	19	3	18
Massachusetts	43	4	2	3
Michigan	218	28	12	19
Minnesota	106	14	6	13
Mississippi	41	4	1	5
Missouri	201	65	10	64
Montana	11	2	2	1
Nebraska	39	5	3	8
Nevada	89	16	3	19
New Hampshire	49	1	0	2
New Jersey	85	0	0	0
New Mexico	31	5	2	1
New York	224	24	9	16
North Carolina	144	24	6	26
North Dakota	10	3	2	3
Ohio	122	12	7	3
Oklahoma	72	19	4	23
Oregon	73	7	1	5
Pennsylvania	79	6	2	3
Rhode Island	30	6	3	4
South Carolina	108	11	3	10
South Dakota	24	2	1	0
Tennessee	155	14	5	12
Texas	198	10	6	5
Utah	58	1	0	4
Vermont	2	1	0	0
Virginia	115	20	4	13
Washington	126	25	7	17
West Virginia	14	1	0	2
Wisconsin	126	29	9	25
Wyoming	10	1	0	1
United States, total <sup>1</sup>	5,438	630	224	548

<sup>1</sup> The U.S. total includes accidents in Guam, Puerto Rico, the Virgin Islands, American Samoa, Northern Mariana Islands, and those occurring offshore.

**NOTES:** Alcohol involvement in a boating accident includes any accident in which alcoholic beverages are consumed in the boat and the investigating official has determined that the operator was impaired or affected while operating the boat.

**SOURCE:** U.S. Department of Transportation, U.S. Coast Guard, *Boating Statistics 2003*, Washington, DC: 2004, available at [http://www.uscgboating.org/statistics/Boating\\_Statistics\\_2003.pdf](http://www.uscgboating.org/statistics/Boating_Statistics_2003.pdf) as of Dec.1, 2004.



**Table 2-19: Hazardous Materials Incidents: 2003**  
**(Not including pipelines or bulk, nonpackaged water incidents)**

State	Incidents	Deaths	Injuries		Damages (\$ thousands)	
			Total	Major		Minor
Alabama	199	0	3	1	2	1,861
Alaska	6	0	0	0	0	0
Arizona	235	2	5	2	3	1,064
Arkansas	147	0	0	0	0	1,363
California	1,197	1	6	0	6	1,965
Colorado	380	0	5	0	5	648
Connecticut	278	0	1	0	1	1,821
Delaware	37	0	0	0	0	38
District of Columbia	9	0	0	0	0	18
Florida	643	1	6	0	6	1,678
Georgia	440	0	4	1	3	695
Hawaii	8	0	2	2	0	4
Idaho	43	0	0	0	0	1,939
Illinois	1,242	0	3	0	3	1,566
Indiana	378	0	5	1	4	1,029
Iowa	111	0	1	0	1	199
Kansas	396	0	1	0	1	915
Kentucky	228	0	2	0	2	1,359
Louisiana	243	0	7	0	7	694
Maine	40	0	0	0	0	669
Maryland	257	0	1	0	1	322
Massachusetts	250	0	1	1	0	808
Michigan	308	1	5	0	5	3,604
Minnesota	253	1	2	0	2	505
Mississippi	135	0	0	0	0	863
Missouri	324	0	2	0	2	521
Montana	45	0	0	0	0	141
Nebraska	66	0	0	0	0	174
Nevada	78	0	0	0	0	414
New Hampshire	19	0	0	0	0	10
New Jersey	508	0	5	1	4	1,524
New Mexico	58	0	0	0	0	65
New York	393	1	12	0	12	1,953
North Carolina	439	0	0	0	0	704
North Dakota	26	0	0	0	0	7
Ohio	1,223	1	8	0	8	2,125
Oklahoma	181	0	1	0	1	575
Oregon	228	0	1	0	1	670
Pennsylvania	966	0	7	2	5	3,241
Rhode Island	34	0	0	0	0	18
South Carolina	185	0	2	0	2	213
South Dakota	15	0	0	0	0	10
Tennessee	806	0	1	0	1	1,584
Texas	1,228	0	11	3	8	5,180
Utah	211	0	0	0	0	104
Vermont	20	0	0	0	0	203
Virginia	201	0	4	0	4	1,345
Washington	149	0	1	0	1	715
West Virginia	50	0	0	0	0	206
Wisconsin	219	0	2	0	2	156
Wyoming	23	0	0	0	0	230
United States, total <sup>1</sup>	15,158	8	117	14	103	47,713

<sup>1</sup>Total does not include U.S. territories or foreign countries.

**NOTES:** Hazardous material incident locations are often listed as the terminals or sorting centers where they are discovered. Therefore, states with this type of a facility may show a disproportionate number of incidents.

Hazardous materials transportation incidents required to be reported are defined in the Code of Federal Regulations (CFR), 49 CFR Part 171.15, 171.16 (Form F 5800.1).

Hazardous materials deaths and injuries are caused by the hazardous material in commerce.

Hazardous materials incident data are subject to revision and correction by the Office of Hazardous Materials Safety.

**SOURCE:** U.S. Department of Transportation, Research and Special Programs Administration, Office of Hazardous Materials Safety, *Hazmat Summary by State for Calendar Year 2003*, Washington, DC: 2004, available at <http://hazmat.dot.gov> as of June 14, 2004.

**Table 2-20: Hazardous Materials Incidents by Mode: 2003  
(Not including pipelines)**

State	Mode				Total
	Highway	Rail	Air	Water <sup>2</sup>	
Alabama	184	14	1	0	199
Alaska	0	1	5	0	6
Arizona	214	13	8	0	235
Arkansas	134	9	4	0	147
California	1,058	94	43	2	1,197
Colorado	368	7	5	0	380
Connecticut	275	0	3	0	278
Delaware	33	1	3	0	37
District of Columbia	8	1	0	0	9
Florida	593	28	20	2	643
Georgia	412	23	5	0	440
Hawaii	5	0	2	1	8
Idaho	43	0	0	0	43
Illinois	1,173	57	12	0	1,242
Indiana	365	8	5	0	378
Iowa	100	9	2	0	111
Kansas	352	39	5	0	396
Kentucky	143	14	71	0	228
Louisiana	165	73	5	0	243
Maine	38	1	1	0	40
Maryland	243	8	6	0	257
Massachusetts	238	4	8	0	250
Michigan	284	14	10	0	308
Minnesota	234	13	6	0	253
Mississippi	129	6	0	0	135
Missouri	291	25	8	0	324
Montana	38	5	2	0	45
Nebraska	60	5	1	0	66
Nevada	70	5	3	0	78
New Hampshire	16	0	3	0	19
New Jersey	470	15	22	1	508
New Mexico	46	11	1	0	58
New York	362	18	13	0	393
North Carolina	412	19	8	0	439
North Dakota	24	2	0	0	26
Ohio	1,076	33	114	0	1,223
Oklahoma	175	4	2	0	181
Oregon	213	10	5	0	228
Pennsylvania	940	16	10	0	966
Rhode Island	33	1	0	0	34
South Carolina	172	11	2	0	185
South Dakota	15	0	0	0	15
Tennessee	517	23	265	1	806
Texas	1,096	93	36	3	1,228
Utah	198	11	2	0	211
Vermont	18	0	2	0	20
Virginia	156	42	3	0	201
Washington	134	11	4	0	149
West Virginia	43	7	0	0	50
Wisconsin	213	3	3	0	219
Wyoming	17	6	0	0	23
<b>United States, total<sup>1</sup></b>	<b>13,596</b>	<b>813</b>	<b>739</b>	<b>10</b>	<b>15,158</b>

<sup>1</sup>Total does not include U.S. territories or foreign countries.

<sup>2</sup>Includes only packaged shipments (i.e., nonbulk shipments).

**NOTE:** Hazardous materials incident data are subject to revision and correction by the Office of Hazardous Materials Safety.

**SOURCE:** U.S. Department of Transportation, Research and Special Programs Administration, Office of Hazardous Materials Safety, *Hazmat Summary by State for Calendar Year 2003*, and earlier years, Washington, DC: 2004, available at <http://hazmat.dot.gov/> as of June 14, 2004.

**Table 2-21: Natural Gas Distribution Pipeline Incidents: 2003**

State	Number of incidents	Number of fatalities	Number of injuries	Property damage (dollars)
Alabama	2	0	2	6,565
Alaska	7	0	1	700,000
Arizona	5	1	4	301,500
Arkansas	1	0	1	0
California	12	1	1	2,078,000
Colorado	0	0	0	0
Connecticut	2	0	4	100,000
Delaware	1	0	3	300,000
District of Columbia	1	0	1	10,000
Florida	2	0	1	550,000
Georgia	5	0	1	1,185,051
Hawaii	0	0	0	0
Idaho	0	0	0	0
Illinois	6	1	2	4,450,000
Indiana	2	1	0	505,000
Iowa	1	0	0	50,000
Kansas	2	0	2	475,000
Kentucky	0	0	0	0
Louisiana	3	0	2	253,000
Maine	0	0	0	0
Maryland	6	0	2	1,420,000
Massachusetts	4	0	0	870,000
Michigan	11	0	4	1,194,000
Minnesota	4	0	1	600,000
Mississippi	0	0	0	0
Missouri	4	1	2	394,117
Montana	0	0	0	0
Nebraska	2	0	1	200,000
Nevada	0	0	0	0
New Hampshire	0	0	0	0
New Jersey	3	0	2	1,145,000
New Mexico	4	1	1	125,000
New York	2	0	0	300,000
North Carolina	8	0	0	1,546,000
North Dakota	0	0	0	0
Ohio	2	0	1	255,000
Oklahoma	3	0	0	90,000
Oregon	2	0	4	50,000
Pennsylvania	16	4	8	1,448,598
Rhode Island	1	0	0	100,000
South Carolina	0	0	0	0
South Dakota	1	0	0	68,500
Tennessee	1	0	1	0
Texas	7	1	1	360,819
Utah	2	0	2	162,000
Vermont	1	0	0	175,000
Virginia	4	0	1	700,000
Washington	1	0	0	125,683
West Virginia	1	0	0	0
Wisconsin	1	0	2	0
Wyoming	0	0	0	0
<b>United States, total</b>	<b>143</b>	<b>11</b>	<b>58</b>	<b>22,293,833</b>

**NOTES:** Incidents are reported on Form RSPA F 7100.1. Incident means any of the following events:

I. An event that involves a release of gas from a pipeline or of liquefied natural gas (LNG) facility and

a) a death or personal injury necessitating in-patient hospitalization or b) estimated property damage, including cost of gas lost, of the operator or others, or both, of \$50,000 or more.

II. An event that results in an emergency shutdown of an LNG facility.

III. An event that is significant, in the judgment of the operator, even though it did not meet the criteria of I or II.

Historical totals may change as the Office of Pipeline Safety receives supplemental information on incidents.

**SOURCE:** U.S. Department of Transportation, Research and Special Programs Administration, Office of Pipeline Safety, available at <http://ops.dot.gov> as of July 14, 2004.

**Table 2-22: Natural Gas Transmission Pipeline Incidents: 2003**

State	Number of incidents	Number of fatalities	Number of injuries	Property damage (dollars)
Alabama	2	0	2	26,763
Alaska	0	0	0	0
Arizona	1	0	0	54,200
Arkansas	1	0	0	323,744
California	5	1	1	3,763,000
Colorado	2	0	0	1,070,000
Connecticut	0	0	0	0
Delaware	0	0	0	0
District of Columbia	0	0	0	0
Florida	1	0	0	52,549
Georgia	3	0	0	1,374,456
Hawaii	0	0	0	0
Idaho	1	0	0	0
Illinois	2	0	0	1,062,410
Indiana	3	0	0	788,050
Iowa	1	0	1	0
Kansas	4	0	1	1,787,612
Kentucky	1	0	0	3,301,500
Louisiana	20	0	1	6,830,333
Maine	0	0	0	0
Maryland	0	0	0	0
Massachusetts	0	0	0	0
Michigan	1	0	0	257,000
Minnesota	1	0	0	1,416,222
Mississippi	2	0	0	283,456
Missouri	1	0	0	3,263,000
Montana	0	0	0	0
Nebraska	0	0	0	0
Nevada	0	0	0	0
New Hampshire	0	0	0	0
New Jersey	1	0	0	54,900
New Mexico	3	0	0	324,968
New York	0	0	0	0
North Carolina	1	0	0	372,586
North Dakota	0	0	0	0
Ohio	0	0	0	0
Oklahoma	4	0	0	610,410
Oregon	0	0	0	0
Pennsylvania	2	0	1	0
Rhode Island	0	0	0	0
South Carolina	1	0	0	80,000
South Dakota	0	0	0	0
Tennessee	0	0	0	0
Texas	19	0	1	10,479,743
Utah	0	0	0	0
Vermont	0	0	0	0
Virginia	0	0	0	0
Washington	3	0	0	402,372
West Virginia	3	0	0	687,800
Wisconsin	1	0	0	236,797
Wyoming	3	0	0	270,282
<b>United States, total<sup>1</sup></b>	<b>97</b>	<b>1</b>	<b>8</b>	<b>39,988,153</b>

<sup>1</sup> Incidents that have an "unknown" location are included in the totals.

**NOTES:** Incidents are reported on Form RSPA F 7100.2. Incident means any of the following events:

I. An event that involves a release of gas from a pipeline or of liquefied natural gas (LNG) facility and a) a death or personal injury necessitating in-patient hospitalization or b) estimated property damage, including cost of gas lost, of the operator or others, or both, of \$50,000 or more.

II. An event that results in an emergency shutdown of an LNG facility.

III. An event that is significant, in the judgment of the operator, even though it did not meet the criteria of I or II.

Historical totals may change as the Office of Pipeline Safety receives supplemental information on incidents.

**SOURCE:** U.S. Department of Transportation, Research and Special Programs Administration, Office of Pipeline Safety, available at <http://ops.dot.gov> as of July 14, 2004.

**Table 2-23: Hazardous Liquid Pipeline Incidents: 2003**

State	Number of incidents	Number of fatalities	Number of injuries	Property damage <sup>2</sup> (dollars)
Alabama	5	0	0	1,445
Alaska	1	0	0	0
Arizona	3	0	0	9,440
Arkansas	3	0	0	0
California	30	0	1	97,701
Colorado	3	0	0	21,048
Connecticut	1	0	0	5,000
Delaware	0	0	0	0
District of Columbia	0	0	0	0
Florida	1	0	0	100,250
Georgia	6	0	0	83,214
Hawaii	1	0	0	15,300
Idaho	0	0	0	0
Illinois	24	0	0	1,278,682
Indiana	10	0	0	100
Iowa	10	0	0	10,943
Kansas	39	0	0	149,919
Kentucky	3	0	0	600
Louisiana	26	0	0	512,650
Maine	1	0	0	500
Maryland	2	0	0	10
Massachusetts	1	0	0	100
Michigan	5	0	0	14,256
Minnesota	16	0	0	58,985
Mississippi	9	0	0	5,793
Missouri	5	0	0	4,122
Montana	4	0	0	2,341
Nebraska	5	0	0	4,296
Nevada	1	0	0	842
New Hampshire	0	0	0	0
New Jersey	2	0	0	19,056
New Mexico	3	0	0	144,275
New York	1	0	0	20
North Carolina	3	0	0	12,185
North Dakota	4	0	0	315,402
Ohio	7	0	0	195,410
Oklahoma	41	0	0	569,016
Oregon	1	0	0	38
Pennsylvania	3	0	0	250
Rhode Island	0	0	0	0
South Carolina	1	0	0	0
South Dakota	0	0	0	0
Tennessee	1	0	0	70,000
Texas	120	0	0	387,085
Utah	1	0	0	0
Vermont	1	0	0	30
Virginia	3	0	0	330
Washington	1	0	0	5,100
West Virginia	1	0	0	0
Wisconsin	5	0	0	828,055
Wyoming	13	0	4	45,421
United States, total <sup>1</sup>	432	0	5	5,386,746

<sup>1</sup> Incidents that have an "unknown" location are included in the totals.

<sup>2</sup> The property damage category includes public and private property damage, value of product loss, and the value of operator property damage. It does not include the costs of emergency response, environmental remediation, other operator costs, and other public costs.

**NOTES:** Historical totals may change as the Office of Pipeline Safety receives supplemental information on incidents. Incidents are reported on Form RSPA F 7100.1. An accident report is required for each failure in a pipeline system in which there is a release of the hazardous liquid or carbon dioxide transported resulting in any of the following:

1. Explosion or fire not intentionally set by the operator;
2. Loss of 5 or more gallons of hazardous liquid or carbon dioxide;
3. Escape to the atmosphere of more than 5 barrels (0.8 cubic meters) a day of highly volatile liquids;
4. Death of any person;
5. Bodily harm to any person resulting in: a. loss of consciousness; or b. necessity to carry the person from the scene; or c. necessity for medical treatment; or d. disability which prevents the discharge of normal duties or the pursuit of normal activities beyond the day of the accident;
6. Estimated property damage, including cost of clean-up and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding \$50,000.

**SOURCE:** U.S. Department of Transportation, Research and Special Programs Administration, Office of Pipeline Safety, available at <http://ops.dot.gov> as of July 14, 2004.



## **Section C**



# **Freight Transportation**





**Table 3-1: Freight Shipments by State of Origin: 2002**

<b>State</b>	<b>Value (\$ millions)</b>	<b>Tons (thousands)</b>	<b>Ton-miles (millions)</b>
Alabama	127,727	216,383	60,813
Alaska	8,032	36,498	7,690
Arizona	111,273	100,872	16,122
Arkansas	91,967	120,127	37,916
California	923,669	903,954	166,862
Colorado	93,184	150,476	60,908
Connecticut	82,477	48,894	5,255
Delaware	20,348	30,988	3,623
District of Columbia	3,707	1,407	34
Florida	296,989	455,084	61,074
Georgia	270,703	339,846	68,310
Hawaii	13,480	23,659	S
Idaho	28,471	34,971	20,561
Illinois	442,130	718,351	167,342
Indiana	291,458	397,829	82,601
Iowa	115,396	232,544	107,728
Kansas	95,285	192,854	44,857
Kentucky	189,390	336,341	99,630
Louisiana	139,843	495,703	131,293
Maine	32,355	32,121	10,590
Maryland	121,356	165,399	15,140
Massachusetts	200,813	75,123	14,077
Michigan	388,571	331,190	68,679
Minnesota	166,430	336,237	154,321
Mississippi	94,897	98,720	38,333
Missouri	185,392	254,827	72,910
Montana	12,447	89,547	61,984
Nebraska	61,797	101,684	33,226
Nevada	40,756	44,210	8,695
New Hampshire	31,191	33,751	4,773
New Jersey	286,580	237,847	41,341
New Mexico	14,907	48,841	10,453
New York	318,775	249,551	55,284
North Carolina	293,604	276,004	47,088
North Dakota	18,921	88,302	20,709
Ohio	494,278	546,095	127,152
Oklahoma	77,576	136,033	26,981
Oregon	102,600	158,053	48,620
Pennsylvania	354,399	399,764	90,300
Rhode Island	21,035	19,389	2,815
South Carolina	143,194	142,708	32,484
South Dakota	26,430	52,286	17,776
Tennessee	286,576	270,265	54,491
Texas	589,064	1,082,596	229,846
Utah	61,515	109,672	38,046
Vermont	16,238	16,218	3,296
Virginia	164,557	268,935	44,113
Washington	177,395	259,594	46,724
West Virginia	38,479	275,583	78,437
Wisconsin	217,451	229,502	70,753
Wyoming	12,106	401,092	421,230
<b>United States, total</b>	<b>8,397,210</b>	<b>11,667,919</b>	<b>3,137,898</b>

**KEY:** S = withheld due to high sampling variability or poor response quality.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, *2002 Commodity Flow Survey: United States*, Washington, DC: December 2004.

## Freight

**Table 3-2: Hazardous Material Shipments by Selected State of Origin: 2002 (Ranked by tons)**

<b>State</b>	<b>Value (\$ millions)</b>	<b>Tons (thousands)</b>	<b>Ton-miles (millions)</b>
Texas	127,188	467,196	72,291
Louisiana	53,408	222,696	61,920
California	67,693	198,490	15,689
Illinois	40,893	121,087	17,402
New Jersey	22,161	92,133	11,131
Ohio	27,971	81,342	8,482
Indiana	16,005	62,895	5,476
Michigan	23,835	61,040	4,992
Florida	17,919	56,647	3,170
Tennessee	18,492	53,674	7,057
Washington	15,471	52,179	6,274
Pennsylvania	24,885	51,191	5,633
New York	15,292	46,215	11,134
Georgia	17,011	46,213	4,148
Utah	10,120	42,874	10,538
Kentucky	11,718	40,932	4,213
Mississippi	8,761	36,542	16,540
Alabama	8,691	30,545	3,087
North Carolina	12,932	28,611	3,011
West Virginia	2,930	S	S
All other states	116,803	371,305	51,832
United States, total	660,181	2,191,519	326,727

**KEY:** S = withheld due to high sampling variability or poor response quality.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, 2002 *Commodity Flow Survey: United States*, Washington, DC: December 2004.

**Table 3-3: Hazardous Material Shipments by Selected State of Destination: 2002 (Ranked by tons)**

<b>State</b>	<b>Value (\$ millions)</b>	<b>Tons (thousands)</b>	<b>Ton-miles (millions)</b>
Texas	120,183	459,432	57,616
California	74,773	203,905	32,293
Louisiana	38,542	157,297	13,783
Ohio	28,692	105,770	17,208
Illinois	30,797	96,587	14,703
Florida	27,431	94,555	30,545
New Jersey	23,071	85,470	16,218
Michigan	23,135	68,731	8,682
Indiana	19,982	68,339	4,845
Pennsylvania	18,554	52,390	5,245
Tennessee	15,899	49,330	7,920
New York	15,474	48,093	8,663
Georgia	16,255	48,091	5,638
Washington	13,213	47,739	8,300
Kentucky	11,922	37,984	8,509
Mississippi	9,389	35,497	4,394
North Carolina	13,976	30,367	5,017
Alabama	9,613	30,093	4,003
Utah	6,261	27,951	2,295
Missouri	9,011	27,309	2,939
All other states	134,008	416,587	67,911
United States, total	660,181	2,191,519	326,727

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, 2002 *Commodity Flow Survey: United States*, Washington, DC: December 2004.

**Table 3-4: Rail Shipments: 2002**

State	Rail shipments terminating in state		Rail shipments originating in state	
	All commodities (tons)	Top commodity by weight	All commodities (tons)	Top commodity by weight
Alabama	50,422,423	Coal	43,207,920	Coal
Alaska	7,450,875	Nonmetallic minerals	7,450,875	Nonmetallic minerals
Arizona	26,168,630	Coal	5,166,978	Glass and stone products
Arkansas	28,706,455	Coal	20,516,691	Nonmetallic minerals
California	87,489,883	Mixed freight	54,717,626	Mixed freight
Colorado	28,795,297	Coal	37,327,011	Coal
Connecticut	2,187,000	Nonmetallic minerals	1,896,007	Nonmetallic minerals
Delaware	5,173,822	Coal	1,263,100	Chemicals
District of Columbia	8,624	Miscellaneous freight	125,984	Miscellaneous freight
Florida	96,122,841	Nonmetallic minerals	65,127,102	Nonmetallic minerals
Georgia	80,214,148	Coal	36,258,990	Glass and stone products
Hawaii	0	NA	0	NA
Idaho	10,025,493	Farm products	10,518,772	Farm products
Illinois	179,651,210	Coal	116,461,658	Coal
Indiana	64,262,829	Coal	53,173,814	Coal
Iowa	38,109,893	Coal	43,270,217	Farm products
Kansas	27,694,014	Coal	21,960,485	Farm products
Kentucky	37,972,620	Coal	103,603,761	Coal
Louisiana	30,373,089	Chemicals	38,240,119	Chemicals
Maine	3,381,164	Glass and stone products	4,036,996	Pulp and paper products
Maryland	24,651,988	Coal	7,740,703	Primary metal products
Massachusetts	9,818,878	Food products	2,599,068	Mixed freight
Michigan	51,390,896	Coal	36,415,964	Metallic ores
Minnesota	58,719,991	Coal	69,156,075	Metallic ores
Mississippi	18,645,600	Coal	13,959,442	Lumber and wood products
Missouri	79,572,126	Coal	18,224,145	Food products
Montana	4,256,464	Petroleum products	37,179,320	Coal
Nebraska	19,445,903	Coal	23,068,362	Farm products
Nevada	7,930,279	Coal	2,789,036	Glass and stone products
New Hampshire	1,608,835	Coal and petroleum products	762,456	Coal and nonmetallic minerals
New Jersey	22,586,260	Mixed freight	10,843,362	Mixed freight
New Mexico	3,326,510	Food products	15,671,823	Coal
New York	23,603,704	Coal	10,356,912	Chemicals
North Carolina	58,348,318	Coal	13,398,568	Chemicals
North Dakota	9,611,379	Coal	21,637,829	Farm products
Ohio	97,618,621	Coal	62,925,030	Primary metal products
Oklahoma	34,344,966	Coal	21,509,722	Nonmetallic minerals
Oregon	23,514,290	Chemicals	15,346,142	Lumber and wood products
Pennsylvania	61,912,928	Coal	61,728,948	Coal
Rhode Island	673,530	Chemicals	209,304	Waste and scrap
South Carolina	34,316,258	Coal	15,162,271	Lumber and wood products
South Dakota	3,334,678	Coal and petroleum products	7,890,891	Farm products
Tennessee	35,752,940	Coal	19,569,784	Food products
Texas	195,310,987	Coal	112,755,992	Chemicals
Utah	13,798,069	Coal and petroleum products	23,253,001	Coal
Vermont	1,433,532	Petroleum products	764,360	Nonmetallic minerals; glass and stone prod.
Virginia	60,490,603	Coal	48,136,596	Coal
Washington	36,362,437	Farm products	21,798,699	Mixed freight
West Virginia	37,221,424	Coal	119,227,237	Coal
Wisconsin	78,487,015	Coal	18,611,642	Nonmetallic minerals
Wyoming	16,311,973	Coal	379,976,563	Coal
United States, total	1,928,611,692	Coal	1,876,993,353	Coal

**KEY:** NA = not applicable.

**NOTE:** Top commodity for each state is determined by tonnage terminating and originating of the 38 two-digit Standard Transportation Commodity Code groupings and includes intrastate shipments.

**SOURCE:** Association of American Railroads, *Railroads and States-2002*, Washington, DC: 2004, available at <http://www.aar.org/abouttheindustry/stateinformation.asp> as of June 1, 2004.

**Table 3-5: Waterborne Shipments: 2002 (Thousands of short tons)**

State	Intrastate	Terminating in state		Originating in state		Total
		Domestic	Foreign	Domestic	Foreign	
Alabama	13,738	18,642	15,662	10,354	8,492	66,888
Alaska	3,803	2,927	774	52,434	7,541	67,479
Arkansas	2,827	5,177	0	5,162	0	13,166
California	12,101	28,512	104,633	5,316	39,530	190,093
Connecticut	1,377	10,263	4,798	862	310	17,610
Delaware	3,191	1,920	18,326	14,647	519	38,603
District of Columbia	0	557	0	0	0	557
Florida	2,601	57,147	34,878	10,853	17,037	122,516
Georgia	356	1,227	12,383	480	8,812	23,258
Hawaii	9,180	5,394	6,591	787	685	22,637
Idaho	279	45	0	675	0	999
Illinois	9,679	18,435	1,093	90,575	566	120,349
Indiana	4,532	50,224	2,419	13,847	499	71,522
Iowa	667	4,038	0	12,041	0	16,745
Kansas	190	1,502	0	34	0	1,726
Kentucky	13,374	33,394	0	53,314	0	100,082
Louisiana	39,413	127,801	110,846	102,013	104,854	484,927
Maine	173	2,544	25,817	141	464	29,140
Maryland	3,980	10,737	18,576	6,465	7,531	47,289
Massachusetts	1,529	8,391	14,660	752	785	26,117
Michigan	15,497	20,715	8,201	23,122	6,243	73,778
Minnesota	2,507	6,897	543	33,003	4,885	47,834
Mississippi	860	9,356	18,876	14,584	4,058	47,735
Missouri	8,040	6,388	0	15,615	0	30,043
Nebraska	0	124	0	95	0	219
New Hampshire	0	631	3,398	0	79	4,108
New Jersey	4,358	18,099	52,138	27,551	7,974	110,120
New York	14,520	21,733	32,307	15,722	3,777	88,059
North Carolina	1,618	2,933	3,596	114	1,414	9,674
Ohio	14,490	65,214	6,593	16,880	16,186	119,362
Oklahoma	9	2,138	0	2,293	0	4,440
Oregon	3,818	7,498	4,226	2,984	13,156	31,681
Pennsylvania	20,396	35,444	39,569	19,322	585	115,316
Puerto Rico	1,115	8,074	12,710	1,226	1,148	24,274
Rhode Island	11	5,012	2,698	319	397	8,437
South Carolina	2,749	2,908	14,889	388	5,573	26,508
Tennessee	3,729	34,640	0	7,805	0	46,174
Texas	53,926	19,881	260,917	43,301	64,225	442,251
Virginia	4,042	4,095	11,281	11,175	16,901	47,494
Washington	12,692	29,225	18,269	11,774	28,933	100,894
West Virginia	10,458	18,491	0	51,171	0	80,120
Wisconsin	70	7,375	1,523	23,822	9,673	42,464
United States, total	298,287	722,714	934,941	722,714	384,350	2,340,292

**NOTES:** U.S. and state totals exclude duplication. The U.S. total includes Guam, the Virgin Islands, the Pacific Islands, other territories, and trans-shipments.

**SOURCE:** U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, CY 2002 *Waterborne Tonnage by State*, available at <http://www.iwr.usace.army.mil/ndc/wcsc/statenm02.htm> as of June 1, 2004.

**Table 3-6: Top 50 U.S. Ports by Port Calls and Vessel Type: 2003<sup>1</sup>**

Port	Rank	Vessel type and total capacity (thousands of dwt)									
		Total		Tanker <sup>3</sup>		Dry-bulk		Containership		Other general cargo <sup>4</sup>	
		Calls	Capacity	Calls	Capacity	Calls	Capacity	Calls	Capacity	Calls	Capacity
Los Angeles/Long Beach, CA <sup>2</sup>	1	5,130	265,490	918	75,737	591	27,348	2,975	147,362	646	15,042
Houston, TX	2	4,857	212,109	2,797	139,084	680	25,495	748	26,250	632	21,280
New York, NY	3	4,853	216,177	1,329	73,107	339	13,184	2,296	103,208	889	26,678
New Orleans, LA <sup>2</sup>	4	4,464	212,898	1,259	75,150	2,453	112,652	335	11,518	417	13,579
San Francisco, CA <sup>2</sup>	5	3,623	183,934	740	57,240	727	29,370	1,884	89,093	272	8,230
Philadelphia, PA <sup>2</sup>	6	2,486	140,819	1,206	105,080	346	12,606	297	8,972	637	14,161
Savannah, GA	7	2,087	87,789	262	10,140	233	6,894	1,258	61,219	334	9,536
Charleston, SC	8	2,024	85,090	165	7,407	162	6,471	1,402	63,776	295	7,437
Port Arthur, TX	9	1,732	129,920	1,419	117,384	195	7,308	3	66	115	5,162
Baltimore, MD	10	1,635	53,388	122	4,577	305	15,051	337	13,781	871	19,978
Virginia Ports, VA <sup>2</sup>	11	1,539	70,066	83	5,078	197	10,110	1,064	47,606	195	7,272
Columbia River, OR <sup>2</sup>	12	1,505	53,784	136	5,208	918	35,255	120	4,355	331	8,965
Jacksonville, FL	13	1,401	40,291	261	11,244	204	8,555	299	8,671	637	11,822
San Juan, PR	14	1,252	26,291	133	5,487	97	2,734	477	10,292	545	7,777
Miami, FL	15	1,184	41,231	2	48	26	823	860	35,854	296	4,506
Tacoma, WA	16	1,174	52,138	89	5,438	191	11,040	533	28,542	361	7,119
Texas City, TX	17	1,101	69,752	1,043	66,641	39	1,722	0	0	19	1,389
Seattle, WA	18	1,016	51,950	12	407	199	10,890	748	38,740	57	1,914
Corpus Christi, TX	19	977	66,578	742	52,473	140	6,003	0	0	95	8,101
Port Everglades, FL	20	921	31,869	332	14,811	90	3,415	343	10,927	156	2,716
Tampa, FL	21	769	25,851	285	9,607	348	13,532	17	337	119	2,376
Freeport, TX	22	734	38,257	580	34,195	19	796	100	1,444	35	1,822
Lake Charles, LA	23	690	43,451	488	35,946	137	6,107	2	59	63	1,339
Valdez, AK	24	681	74,706	678	74,623	2	53	1	30	0	0
Mobile, AL	25	606	30,984	131	7,736	310	17,605	9	138	156	5,506
Boston, MA	26	583	24,735	396	17,242	67	2,492	100	4,342	20	659
Honolulu, HI	27	530	15,178	30	1,898	14	510	358	9,961	128	2,809
Wilmington, NC	28	506	18,693	227	8,350	85	2,929	65	2,939	129	4,476
Portland, ME	29	459	32,594	353	27,891	43	1,318	0	0	63	3,385
March Point, WA	30	369	30,343	362	30,074	5	184	0	0	2	85
Pascagoula, MS	31	363	25,436	285	21,400	55	3,183	0	0	23	853
Galveston, TX	32	359	12,335	123	5,695	110	4,314	2	60	124	2,266
LOOP Terminal, LA	33	352	88,181	345	87,294	0	0	0	0	7	888
Port Angeles, WA	34	318	29,676	281	28,104	21	986	4	180	12	407
Anchorage, AK	35	313	7,183	5	234	3	134	165	3,688	140	3,127
Point Comfort, TX	36	282	11,116	214	7,060	61	3,747	0	0	7	309
Port Hueneme, CA	37	279	5,358	7	211	1	32	0	0	271	5,116
San Diego, CA	38	272	6,019	1	30	39	1,623	51	832	181	3,533
El Segundo, CA	39	240	25,445	239	25,421	1	24	0	0	0	0
Cherry Point, WA	40	214	20,256	214	20,256	0	0	0	0	0	0
Dutch Harbor, AK	41	185	6,888	0	0	1	24	183	6,853	1	11
Portsmouth, NH	42	159	6,186	90	3,563	62	2,369	1	30	6	223
New Haven, CT	43	155	6,082	103	4,381	27	998	0	0	25	702
Brownsville, TX	44	152	5,146	31	752	108	4,095	0	0	13	298
Beaumont, TX	45	126	5,108	29	1,562	53	2,073	1	21	43	1,452
Palm Beach, FL	46	123	1,831	3	74	7	169	47	807	66	782
Port Manatee, FL	47	122	3,863	10	390	64	2,673	0	0	48	799
Barbers Point, HI	48	120	9,116	83	7,086	29	1,579	0	0	8	451
Kodiak, AK	49	116	2,472	0	0	0	0	116	2,472	0	0
Guayanilla, PR	50	109	5,061	106	4,954	2	79	1	29	0	0
All other ports		1,512	103,715	680	76,615	465	17,860	85	1,794	282	7,446
U.S. ports total		56,759	2,812,832	19,429	1,374,388	10,271	438,416	17,287	746,244	9,772	253,784
Top 50 as % of U.S. total		97%	96%	97%	94%	95%	96%	100%	100%	97%	97%

<sup>1</sup> Excludes calls by vessels under 10,000 dwt.

<sup>2</sup> Starting with year 2000 source data, Columbia River ports, Virginia ports, Los Angeles/Long Beach, Philadelphia/Delaware River ports, New Orleans, and San Francisco Bay area ports were reported on an individual basis. However, for historical consistency, MARAD has continued to present calls at these ports as totals. For definitions of individual ports included in this table see the original information source.

<sup>3</sup> Includes petroleum, chemical, and gas carriers.

<sup>4</sup> Includes roll-on/roll-off, roll-on/roll-off container, vehicle carriers, general cargo, partial containership, refrigerated, barge carrier, livestock carrier, and combination carriers.

**KEY:** Capacity = dwt\*calls; dwt = dead weight tons.

**SOURCE:** U.S. Department of Transportation, Maritime Administration, *Vessel Calls at U.S. Ports 2003*, Washington, DC: 2004, available at [http://www.marad.dot.gov/Marad\\_Statistics/index.html](http://www.marad.dot.gov/Marad_Statistics/index.html) as of Oct. 19, 2004.

**Table 3-7: Top 30 U.S. Containership Ports: 2003  
(Thousands of TEUs)**

Port	Rank	Total	Export	Import
Los Angeles, CA	1	4,664	1,022	3,642
Long Beach, CA	2	3,091	723	2,368
New York, NY	3	2,803	838	1,965
Charleston, SC	4	1,250	529	721
Savannah, GA	5	1,124	529	595
Norfolk, VA	6	1,093	460	633
Oakland, CA	7	1,064	548	517
Houston, TX	8	933	483	450
Tacoma, WA	9	931	337	594
Seattle, WA	10	815	329	486
Miami, FL	11	764	336	428
Port Everglades, FL	12	423	236	187
Baltimore, MD	13	307	115	192
New Orleans, LA	14	237	139	98
Portland, OR	15	210	147	63
Wilmington, DE	16	195	29	166
San Juan	17	185	39	147
Gulfport, MS	18	179	71	108
West Palm Beach, FL	19	140	106	34
Jacksonville, FL	20	113	72	42
Philadelphia, PA	21	103	9	95
Boston, MA	22	93	34	58
Newport News, VA	23	80	32	48
Chester, PA	24	72	28	44
Wilmington, NC	25	72	28	44
San Diego	26	53	9	44
Freeport, TX	27	50	23	28
Richmond, VA	28	41	20	21
Honolulu, HI	29	37	18	19
PT Bienville, MS	30	25	23	2
United States, total		21,289	7,389	13,899
Top 30 ports as % of U.S. total		99.3%	99.0%	99.6%

**KEY:** TEUs = twenty-foot equivalent units.

**SOURCE:** U.S. Department of Transportation, Maritime Administration, *U.S. Waterborne Foreign Trade Containerized Cargo*, based on the original data source: Port Import/Export Reporting Service, available at [http://www.marad.dot.gov/Marad\\_Statistics/Container-03.htm](http://www.marad.dot.gov/Marad_Statistics/Container-03.htm) as of June 4, 2004.

# Freight

**Table 3-8: Scheduled and Nonscheduled Air Freight and Mail Enplaned: 2003  
(Short tons)**

State	Freight		Mail	
	Scheduled	Nonscheduled	Scheduled	Nonscheduled
Alabama	24,558	45,124	2,221	0
Alaska	373,031	137,600	3,298	4,103
Arizona	138,359	14,682	19,474	2
Arkansas	10,002	139	832	0
California	1,708,269	132,148	120,224	1,456
Colorado	140,211	13,632	24,857	66
Connecticut	67,610	7,427	4,492	0
Delaware	75	14,526	0	0
District of Columbia	117,333	423	10,319	0
Florida	733,344	188,797	55,528	344
Georgia	338,349	25,461	66,284	3
Hawaii	154,301	22,711	6,525	4,277
Idaho	23,644	755	159	1
Illinois	663,161	70,806	59,429	0
Indiana	502,446	61,550	6,033	147
Iowa	60,248	2,562	869	2
Kansas	13,900	5,840	83	0
Kentucky	1,137,881	14,803	13,918	68
Louisiana	45,424	3,713	3,005	9
Maine	7,582	2,212	2	0
Maryland	53,826	13,491	8,447	0
Massachusetts	158,855	10,350	14,654	2
Michigan	123,522	7,279	13,877	2
Minnesota	137,809	13,892	20,265	0
Mississippi	9,306	457	177	0
Missouri	113,871	40,731	11,831	0
Montana	16,213	100	629	0
Nebraska	38,933	274	1,394	1
Nevada	59,083	705	11,249	15
New Hampshire	43,209	256	3	0
New Jersey	398,996	19,926	32,736	24,832
New Mexico	44,216	80	1,497	0
New York	688,742	67,668	56,562	834
North Carolina	129,132	34,089	13,776	23
North Dakota	8,241	208	481	0
Ohio	449,347	256,204	9,734	1
Oklahoma	37,082	898	2,222	2
Oregon	110,123	10,618	2,987	26
Pennsylvania	369,736	20,091	17,300	8
Puerto Rico	126,032	11,224	1,506	257
Rhode Island	9,647	6	7	0
South Carolina	84,708	15,108	524	0
South Dakota	22,143	33	221	0
Tennessee	1,950,380	44,163	8,272	1,964
Texas	651,364	93,323	57,577	10
Utah	92,555	6,356	14,328	1
Vermont	4,439	12	0	0
Virginia	47,016	2,724	2,026	1
Washington	220,896	28,995	8,743	6,961
West Virginia	2,753	25	0	0
Wisconsin	49,626	6,705	3,549	2
Wyoming	1,575	3	0	0
United States, total	12,513,105	1,470,907	714,130	45,420

**NOTES:** Shipments by foreign carriers and intrastate shipments are excluded. Shipments destined for foreign airports and by small certificated and commuter carriers are included.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, Office of Airline Information, special tabulation, Nov. 16, 2004.



**Table 3-9: Top 50 All-Cargo Airports by Landed Weight**

Airport	Rank in 2003	Landed weight (million lbs.)		
		2001	2002	2003
Anchorage, AK (Ted Stevens Anchorage International)	1	15,554	17,987	18,015
Memphis, TN (Memphis International)	2	13,730	17,653	17,519
Louisville, KY (Louisville International-Standiford Field)	3	8,053	8,403	8,345
Miami, FL (Miami International)	4	6,109	6,347	6,477
Los Angeles, CA (Los Angeles International)	5	5,858	6,076	6,239
New York, NY (John F. Kennedy International)	6	5,085	5,824	5,874
Chicago, IL (Chicago O'Hare International)	7	4,023	4,434	4,702
Indianapolis, IN (Indianapolis International)	8	6,309	4,676	4,554
Newark, NJ (Newark Liberty International)	9	3,590	3,516	3,669
Oakland, CA (Metropolitan Oakland International)	10	3,278	3,493	3,389
Fort Worth, TX (Dallas/Fort Worth International)	11	3,091	2,961	2,962
Philadelphia, PA (Philadelphia International)	12	2,905	2,932	2,730
Ontario, CA (Ontario International)	13	2,583	2,888	2,675
San Francisco, CA (San Francisco International)	14	2,025	2,070	2,400
Atlanta, GA (Hartsfield-Jackson Atlanta International)	15	2,086	2,332	2,387
Covington/Cincinnati, OH (Cincinnati/Northern Kentucky International)	16	1,960	2,086	2,197
Honolulu, HI (Honolulu International)	17	1,578	1,941	2,035
Seattle, WA (Seattle-Tacoma International)	18	1,915	1,761	1,593
Dayton, OH (James M. Cox Dayton International)	19	2,887	1,794	1,569
Phoenix, AZ (Phoenix Sky Harbor International)	20	1,676	1,735	1,559
Portland, OR (Portland International)	21	1,615	1,632	1,498
Denver, CO (Denver International)	22	1,606	1,565	1,495
Minneapolis, MN (Minneapolis-St. Paul International/Wold-Chamberlain)	23	1,173	1,242	1,375
Houston, TX (George Bush Intercontinental)	24	925	964	1,332
San Juan, PR (Luis Munoz Marin International)	25	835	1,073	1,303
Rockford, IL (Greater Rockford)	26	1,361	1,261	1,251
Boston, MA (General Edward Lawrence Logan International)	27	1,302	1,272	1,199
Salt Lake City, UT (Salt Lake City International)	28	1,213	1,166	1,199
Orlando, FL (Orlando International)	29	1,222	1,246	1,090
Toledo, OH (Toledo Express)	30	1,153	945	921
Fairbanks, AK (Fairbanks International)	31	1,208	1,237	875
Kansas City, MO (Kansas City International)	32	896	853	850
Windsor Locks, CT (Bradley International)	33	963	905	824
Fort Lauderdale, FL (Fort Lauderdale/Hollywood International)	34	947	823	771
Seattle, WA (Boeing Field/King County International)	35	725	782	764
Fort Wayne, IN (Fort Wayne International)	36	831	623	749
Austin, TX (Austin-Bergstrom International)	37	935	801	735
Charlotte, NC (Charlotte/Douglas International)	38	868	747	733
Detroit, MI (Detroit Metropolitan Wayne County)	39	719	709	728
San Antonio, TX (San Antonio International)	40	593	683	705
Fort Worth, TX (Fort Worth Alliance)	41	905	740	697
San Diego, CA (San Diego International)	42	713	653	652
Des Moines, IA (Des Moines International)	43	704	680	644
Aguadilla, PR (Rafael Hernandez)	44	312	291	626
Chantilly, VA (Washington Dulles International)	45	725	677	617
Columbia, SC (Columbia Metropolitan)	46	849	838	609
St. Louis, MO (Lambert-St Louis International)	47	722	600	605
Albuquerque, NM (Albuquerque International Sunport)	48	618	619	589
Glen Burnie, MD (Baltimore-Washington International)	49	576	611	567
San Jose, CA (Norman Y. Mineta San Jose International)	50	767	717	565
Top 50 airports		122,275	127,863	127,459
United States, all airports		142,851	146,581	146,144
Top 50 as % of U.S. total		86%	87%	87%

**SOURCE:** U.S. Department of Transportation, Federal Aviation Administration, Airport Planning, CY 2003 Passenger Boarding and All-Cargo Data, available at <http://www.faa.gov/arp/planning/stats/> as of Dec. 1, 2004.

**Table 3-10: U.S. Surface Merchandise Trade with Canada and Mexico: 2003<sup>1</sup>**  
(Millions of current dollars)

State	Exports to		Imports from	
	Canada	Mexico	Canada	Mexico
Alabama	1,461	373	1,173	526
Alaska	90	9	184	8
Arizona	659	3,078	1,352	3,142
Arkansas	786	241	751	214
California	8,509	13,307	15,499	20,530
Colorado	1,231	536	1,116	272
Connecticut	1,102	373	1,714	798
Delaware	518	248	486	223
District of Columbia	14	3	69	2
Florida	1,937	858	2,546	1,282
Georgia	3,735	996	3,409	1,930
Hawaii	5	0	74	1
Idaho	306	47	475	39
Illinois	8,092	1,938	14,584	4,119
Indiana	7,179	2,026	4,245	4,317
Iowa	1,829	653	2,282	546
Kansas	857	570	1,024	298
Kentucky	3,220	482	3,638	1,255
Louisiana	1,007	495	583	99
Maine	796	18	1,801	24
Maryland	867	204	1,327	986
Massachusetts	2,112	534	4,863	549
Michigan	19,468	3,889	45,310	22,819
Minnesota	2,535	332	6,423	926
Mississippi	566	181	592	178
Missouri	3,016	711	2,641	1,335
Montana	216	11	2,018	3
Nebraska	659	464	560	99
Nevada	284	23	663	92
New Hampshire	430	49	880	449
New Jersey	3,376	653	3,932	923
New Mexico	88	225	143	115
New York	8,156	1,340	17,609	2,576
North Carolina	3,668	1,232	2,446	2,683
North Dakota	473	31	1,206	31
Ohio	16,221	2,013	10,245	4,013
Oklahoma	988	215	811	340
Oregon	1,461	370	2,091	560
Pennsylvania	5,490	1,009	7,338	2,158
Rhode Island	342	55	508	124
South Carolina	2,535	595	1,390	1,015
South Dakota	249	123	282	130
Tennessee	4,001	1,388	4,960	2,572
Texas	8,803	37,336	6,500	26,175
Utah	472	98	1,541	233
Vermont	1,024	23	2,639	12
Virginia	1,973	336	2,239	944
Washington	2,800	547	9,166	225
West Virginia	710	76	699	71
Wisconsin	4,102	731	3,752	1,284
Wyoming	108	63	1,728	8
United States, total <sup>2</sup>	169,481	97,457	224,166	138,073

<sup>1</sup>Surface merchandise trade comprises all shipments of goods between the U.S. and Canada or Mexico by surface modes of transport (other than air or maritime vessel).

<sup>2</sup>United States total includes trade in which the state is unknown.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *Transborder Surface Freight Data*, available at <http://www.bts.gov/ntda/tbscd/reports.html> as of November 2004.

Table 3-11: U.S. Surface Merchandise Imports from Canada and Mexico: 2003

State	Canada				Mexico			
	Total (thousand metric tons)	Truck (percent)	Rail (percent)	Other <sup>1</sup> (percent)	Total (thousand metric tons)	Truck (percent)	Rail (percent)	Other (percent)
Alabama	1,301,329	28	72	0	124,175	87	13	<1
Alaska	77,631	62	38	<1	2,454	91	8	1
Arizona	970,770	28	68	4	2,065,574	92	8	<1
Arkansas	669,909	38	48	13	78,051	85	15	0
California	6,592,857	34	66	<1	4,931,021	92	8	<1
Colorado	1,245,269	24	74	2	46,087	83	17	<1
Connecticut	1,381,411	57	43	<1	252,823	62	38	<1
Delaware	349,858	53	37	9	25,632	100	0	0
District of Columbia	52,917	55	45	0	1,749	100	0	0
Florida	2,347,657	30	70	<1	299,803	88	12	<1
Georgia	2,579,929	44	56	<1	563,521	80	20	<1
Hawaii	34,082	96	4	<1	160	80	20	0
Idaho	1,039,346	60	40	<1	11,453	85	15	<1
Illinois	31,370,037	9	20	71	1,828,051	47	53	<1
Indiana	4,692,143	37	63	<1	478,330	91	9	<1
Iowa	1,963,037	35	65	<1	107,557	97	3	<1
Kansas	660,312	36	57	7	64,837	85	15	<1
Kentucky	2,270,298	47	53	<1	222,219	86	14	<1
Louisiana	444,139	33	67	<1	60,809	59	41	<1
Maine	3,833,201	45	23	32	7,741	93	7	0
Maryland	1,372,960	53	47	<1	142,833	71	28	<1
Massachusetts	2,958,284	73	27	<1	68,164	86	14	<1
Michigan	16,672,739	55	33	12	3,531,102	36	64	<1
Minnesota	18,946,479	8	16	77	154,136	96	4	<1
Mississippi	387,994	43	57	<1	43,009	82	18	0
Missouri	1,836,191	46	54	<1	510,350	90	10	<1
Montana	9,145,391	14	8	78	1,152	87	13	0
Nebraska	606,146	43	57	<1	22,273	84	16	0
Nevada	627,994	23	77	<1	27,715	98	2	<1
New Hampshire	1,127,658	61	39	<1	22,565	100	0	0
New Jersey	2,902,239	61	39	<1	417,332	49	34	17
New Mexico	159,358	23	77	<1	169,400	66	34	<1
New York	9,667,070	81	19	<1	482,038	93	7	<1
North Carolina	2,069,086	41	59	<1	471,697	93	6	1
North Dakota	3,237,831	38	27	35	5,153	79	21	0
Ohio	14,700,040	30	21	49	688,148	94	6	<1
Oklahoma	709,259	25	75	<1	144,923	93	7	<1
Oregon	4,574,828	26	74	<1	223,301	97	3	<1
Pennsylvania	9,667,091	44	32	24	526,201	50	50	<1
Rhode Island	250,785	89	11	<1	29,788	100	0	0
South Carolina	954,068	55	45	<1	153,254	81	5	14
South Dakota	456,715	58	42	<1	5,073	84	16	<1
Tennessee	2,125,519	45	55	<1	446,378	86	14	<1
Texas	5,649,567	27	61	13	9,280,091	73	25	2
Utah	790,640	37	53	10	31,892	69	31	<1
Vermont	1,662,301	69	31	<1	6,614	65	35	<1
Virginia	1,548,575	48	52	<1	98,865	96	4	<1
Washington	7,973,047	36	32	33	63,083	89	11	<1
West Virginia	531,001	50	50	<1	62,886	10	90	<1
Wisconsin	6,345,514	25	46	29	458,258	83	17	<1
Wyoming	7,750,365	1	4	95	12,351	25	74	<1
United States, total	201,328,450	32	33	35	29,478,861	74	25	1

<sup>1</sup>Includes pipeline, mail, imports into Foreign Trade Zones, and other imports by modes not elsewhere classified.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *Transborder Surface Freight Data*, available at <http://www.bts.gov> as of October 2004.

**Table 3-12: Incoming Truck Crossings, U.S.-Canadian Border (Thousands)**

State	1999	2000	2001	2002	2003
Alaska	10	11	12	12	11
Idaho	59	59	56	58	50
Maine	497	536	530	511	478
Michigan	2,620	2,676	2,534	2,641	2,626
Minnesota	119	130	128	117	110
Montana	183	206	198	188	156
New York	1,955	1,983	1,903	2,011	2,001
North Dakota	325	345	360	350	330
Vermont	313	325	320	320	314
Washington	736	778	734	707	652
United States, total	6,817	7,048	6,777	6,916	6,728

**NOTE:** Data represent the number of truck crossings, not the number of unique vehicles, and include both loaded and unloaded trucks. Does not include privately owned pickup trucks.

**Table 3-13: Incoming Truck Container (Loaded) Crossings, U.S.-Canadian Border (Thousands)**

State	1999	2000	2001	2002	2003
Alaska	7	7	8	8	9
Idaho	47	51	53	56	47
Maine	343	344	304	391	388
Michigan	2,186	2,069	2,144	2,248	2,242
Minnesota	83	100	100	95	89
Montana	165	170	177	170	141
New York	1,544	1,708	1,656	1,763	1,770
North Dakota	268	305	329	314	295
Vermont	171	217	270	276	260
Washington	517	363	530	497	433
United States, total	5,331	5,335	5,571	5,818	5,673

**Table 3-14: Incoming Truck Container (Unloaded) Crossings, U.S.-Canadian Border (Thousands)**

State	1999	2000	2001	2002	2003
Alaska	3	2	2	2	1
Idaho	2	2	3	3	3
Maine	52	50	49	78	98
Michigan	335	402	462	402	347
Minnesota	32	31	25	24	21
Montana	19	28	21	20	14
New York	191	202	207	228	226
North Dakota	38	36	36	35	34
Vermont	6	9	13	16	25
Washington	174	134	201	196	164
United States, total	852	897	1,021	1,002	933

**NOTE FOR DATA ON THIS PAGE:** The data for incoming trucks exceeds the data for truck containers loaded and unloaded (empty) because some incoming trucks do not carry a container.

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Canadian Border Crossing Data*, Washington, DC: 2004, available at [www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_canada/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_canada/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

**Table 3-15: Incoming Train Crossings, U.S.-Canadian Border**

State	1999	2000	2001	2002	2003
Alaska	266	326	316	279	264
Idaho	673	699	703	845	934
Maine	1,653	1,428	1,303	1,082	1,132
Michigan	8,993	9,757	10,312	9,669	10,237
Minnesota	9,207	9,162	9,693	9,737	10,452
Montana	392	471	358	339	367
New York	5,961	5,725	5,139	5,192	4,713
North Dakota	1,596	1,728	1,764	1,980	2,182
Vermont	1,238	1,119	1,034	908	987
Washington	2,951	3,032	2,955	2,791	2,869
United States, total	32,930	33,447	33,577	32,543	33,873

**Table 3-16: Incoming Rail Container (Full) Crossings, U.S.-Canadian**

State	1999	2000	2001	2002	2003
Alaska	NA	NA	NA	NA	NA
Idaho	39,872	47,263	54,593	60,502	68,047
Maine	31,210	28,139	27,790	17,417	15,405
Michigan	459,213	528,096	585,589	571,046	560,264
Minnesota	210,011	204,386	222,443	258,710	257,508
Montana	17,595	15,964	16,367	17,707	19,539
New York	190,227	192,614	207,574	204,948	205,573
North Dakota	102,225	112,462	111,601	129,506	137,965
Vermont	34,857	37,745	32,968	42,567	42,030
Washington	65,726	48,770	72,457	83,740	96,057
United States, total	1,150,936	1,215,439	1,331,382	1,386,143	1,402,388

**Table 3-17: Incoming Rail Container (Empty) Crossings, U.S.-Canadian Border**

State	1999	2000	2001	2002	2003
Alaska	NA	NA	NA	NA	NA
Idaho	2,464	2,977	4,730	4,669	6,452
Maine	35,738	32,219	28,281	19,458	16,438
Michigan	140,390	151,651	209,221	193,543	197,555
Minnesota	45,482	46,557	52,439	59,750	68,124
Montana	5,737	9,291	10,637	8,924	8,637
New York	43,950	64,541	53,991	51,411	52,025
North Dakota	36,818	42,236	56,660	70,588	81,036
Vermont	11,385	13,324	8,758	11,175	10,397
Washington	15,603	16,602	23,246	24,598	25,193
United States, total	337,567	379,398	447,963	444,116	465,857

**KEY:** NA = not applicable.

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Canadian Border Crossing Data*, Washington, DC: 2004, available at [www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_canada/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_canada/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

## Freight

**Table 3-8: Scheduled and Nonscheduled Air Freight and Mail Enplaned: :**

State	1999	2000	2001	2002	2003
Arizona	348	344	336	312	313
California	969	1,032	1,028	1,067	1,020
New Mexico	29	36	34	33	33
Texas	3,011	3,113	2,907	3,015	2,872
United States, total	4,358	4,526	4,305	4,427	4,238

**NOTE:** Data represent the number of truck crossings, not the number of unique vehicles, and include both loaded and unloaded trucks. Does not include privately owned pickup trucks.

**Table 3-19: Incoming Truck Container (Loaded) Crossings, U.S.-Mexican Border (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	242	233	231	227	232
California	454	510	524	580	611
New Mexico	25	24	21	23	25
Texas	1,589	1,583	1,596	1,692	1,783
United States, total	2,310	2,350	2,372	2,523	2,652

**Table 3-20: Incoming Truck Container (Unloaded) Crossings, U.S.-Border (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	85	90	96	88	79
California	409	437	490	497	480
New Mexico	9	11	12	9	7
Texas	1,415	1,313	1,318	1,318	1,128
United States, total	1,917	1,851	1,916	1,911	1,693

**NOTE FOR DATA ON THIS PAGE:** The data for incoming trucks exceeds the data for truck containers loaded and unloaded (empty) because some incoming trucks do not carry a container.

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Mexican Border Crossing Data*, Washington, DC: 2004, available at [www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_mexico/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_mexico/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

**Table 3-21: Incoming Train Crossings, U.S.-Mexican Border**

<b>State</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Arizona	587	774	635	607	457
California	550	522	628	578	509
New Mexico	NA	NA	NA	NA	NA
Texas	4,882	5,812	6,206	6,572	6,808
United States, total	6,019	7,108	7,469	7,757	7,774

**Table 3-22: Incoming Rail Container (Full) Crossings, U.S.-Mexican Bord**

<b>State</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Arizona	19,466	25,249	35,716	31,789	24,602
California	2,515	1,565	2,243	2,104	1,193
New Mexico	NA	NA	NA	NA	NA
Texas	204,033	239,421	228,613	235,657	240,674
United States, total	226,014	266,235	266,572	269,550	266,469

**Table 3-23: Incoming Rail Container (Empty) Crossings, U.S.-Mexican Bo**

<b>State</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Arizona	14,226	25,353	22,951	20,447	21,083
California	7,771	7,550	8,375	8,963	9,509
New Mexico	NA	NA	NA	NA	NA
Texas	252,363	272,687	284,754	303,362	310,414
United States, total	274,360	305,590	316,080	332,772	341,006

**KEY FOR DATA ON THIS PAGE:** NA = not applicable.

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Mexican Border Crossing Data*, Washington, DC: 2004, available at [www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_mexico/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_mexico/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

**Table 3-24: Top 50 U.S. Foreign Trade Freight Gateways: 2003  
(Ranked by value of shipments in billions of dollars)**

Gateway <sup>1</sup>	Mode	Rank	Exports	Imports	Total
Port of Los Angeles, CA	Water	1	16.9	105.2	122.1
JFK International Airport, NY	Air	2	46.6	65.3	111.9
Port of Detroit, MI	Land	3	54.5	47.3	101.9
Port of New York, NY and NJ	Water	4	24.3	76.9	101.2
Port of Long Beach, CA	Water	5	17.2	78.7	95.9
Port of Laredo, TX	Land	6	32.4	46.4	78.8
Los Angeles International Airport, CA	Air	7	32.6	31.2	63.8
Port of Huron, MI	Land	8	22.7	39.6	62.3
Port of Buffalo-Niagara Falls, NY	Land	9	27.4	32.0	59.4
Chicago, IL	Air	10	20.6	33.7	54.3
Port of Houston, TX	Water	11	21.4	28.5	49.9
San Francisco International Airport, CA	Air	12	20.6	26.1	46.6
Port of Charleston, SC	Water	13	13.4	26.0	39.4
Port of El Paso, TX	Land	14	16.7	22.5	39.2
Port of Norfolk Harbor, VA	Water	15	11.0	18.5	29.5
New Orleans, LA	Air	16	13.7	13.7	27.4
Port of Tacoma, WA	Water	17	5.2	21.1	26.3
Port of Baltimore, MD	Water	18	5.7	20.3	26.0
Port of Oakland, CA	Water	19	7.8	17.4	25.1
Dallas-Fort Worth, TX	Air	20	11.4	12.2	23.6
Port of Seattle, WA	Water	21	5.7	17.4	23.1
Miami International Airport, FL	Air	22	14.0	8.8	22.7
Anchorage, AK	Air	23	5.6	16.5	22.1
Port of Savannah, GA	Water	24	7.4	13.9	21.3
Port of Otay Mesa Station, CA	Land	25	8.3	11.4	19.7
Port of New Orleans, LA	Water	26	11.2	8.2	19.4
Cleveland, OH	Air	27	9.5	9.1	18.6
Atlanta, GA	Air	28	8.3	9.9	18.2
Port of Miami, FL	Water	29	6.8	9.8	16.6
Port of Champlain-Rouses Pt., NY	Land	30	5.2	9.2	14.4
Port of Hidalgo, TX	Land	31	6.3	8.1	14.4
Newark, NJ	Air	32	2.6	10.4	13.0
San Juan International Airport, PR	Air	33	5.2	7.0	12.2
Port of Blaine, WA	Land	34	5.2	6.8	12.0
Port of Portland, OR	Water	35	3.0	8.8	11.8
Port of Jacksonville, FL	Water	36	2.3	8.9	11.2
Port of Port Everglades, FL	Water	37	4.3	6.2	10.5
Port of Nogales, AZ	Land	38	3.5	6.8	10.4
Port of Philadelphia, PA	Water	39	0.6	9.7	10.3
Port of Morgan City, LA	Water	40	0.2	9.9	10.1
Port of Brownsville-Cameron, TX	Land	41	5.2	4.9	10.1
Port of Alexandria Bay, NY	Land	42	3.8	6.2	10.0
Port of Corpus Christi, TX	Water	43	2.0	7.9	9.9
Port of Beaumont, TX	Water	44	1.0	8.7	9.6
Port of Pembina, ND	Land	45	5.0	4.4	9.5
Boston Logan Airport, MA	Air	46	5.7	3.5	9.2
Port of Calexico-East, CA	Land	47	3.8	5.1	8.9
Philadelphia International Airport, PA	Air	48	4.7	4.0	8.7
Port of Sweetgrass, MT	Land	49	3.6	3.9	7.5
Seattle-Tacoma International Airport, WA	Air	50	4.1	3.1	7.3
Total top 50 gateways	NA	NA	576.2	1,010.9	1,587.1

<sup>1</sup> Gateway means any port, airport, or border crossing that provides access for the import or export of goods.

**KEY:** NA = not applicable.

**NOTES:** Mode of transportation is the type of transportation as a shipment enters or exits at a border port. Flows through individual ports are based on reported data collected from U.S. trade documents. Low-value shipments, generally imports valued at less than \$1,250 and exports valued at less than \$2,500, are not included. Data for air gateways include some shipments (generally less than 3% of the total value) from small user-fee airports located in the same region. Air gateways not identified by airport name include major airport(s) in that geographic area in addition to small regional airports. In addition, due to U.S. Census Bureau confidentiality regulations, data for courier operations are included in the airport totals for JFK International Airport, New Orleans, Los Angeles, Cleveland, Chicago, Miami, and Anchorage.

**SOURCES:**

**Air:** U.S. Department of Commerce, U.S. Census Bureau, Foreign Trade Division, special tabulation, August 2004.

**Water:** U.S. Department of Transportation, Maritime Administration, Office of Statistical and Economic Analysis, August 2004.

**Land:** U.S. Department of Transportation, Bureau of Transportation Statistics, Transborder Surface Freight Data, August 2004.



## **Section D**



# **Passenger Travel**



Table 4-1: Commuting to Work: 2000

State	Number of workers	Percent						Mean travel time to work (minutes)
		Car, truck, or van - drove alone	Car, truck, or van - carpooled	Public transportation (including taxicab)	Walked	Other means	Worked at home	
Alabama	1,900,089	83.0	12.3	0.5	1.3	0.8	2.1	24.8
Alaska	290,597	66.5	15.5	1.8	7.3	4.8	4.1	19.6
Arizona	2,210,395	74.1	15.4	1.9	2.6	2.3	3.7	24.9
Arkansas	1,160,101	79.9	14.1	0.4	1.9	1.0	2.6	21.9
California	14,525,322	71.8	14.5	5.1	2.9	1.9	3.8	27.7
Colorado	2,191,626	75.1	12.2	3.2	3.0	1.5	4.9	24.3
Connecticut	1,640,823	80.0	9.4	4.0	2.7	0.7	3.1	24.4
Delaware	373,070	79.2	11.5	2.8	2.6	1.0	3.0	24.0
District of Columbia	260,884	38.4	11.0	33.2	11.8	1.9	3.8	29.7
Florida	6,910,168	78.8	12.9	1.9	1.7	1.7	3.0	26.2
Georgia	3,832,803	77.5	14.5	2.3	1.7	1.1	2.8	27.7
Hawaii	563,154	63.9	19.0	6.3	4.8	2.4	3.6	26.1
Idaho	594,654	77.0	12.3	1.1	3.5	1.4	4.7	20.0
Illinois	5,745,731	73.2	10.9	8.7	3.1	1.0	3.1	28.0
Indiana	2,910,612	81.8	11.0	1.0	2.4	0.9	2.9	22.6
Iowa	1,469,763	78.6	10.8	1.0	4.0	0.9	4.7	18.5
Kansas	1,311,343	81.5	10.6	0.5	2.5	0.9	4.0	19.0
Kentucky	1,781,733	80.2	12.6	1.2	2.4	0.9	2.7	23.5
Louisiana	1,831,057	78.1	13.6	2.4	2.2	1.6	2.1	25.7
Maine	615,144	78.6	11.3	0.8	4.0	0.9	4.4	22.7
Maryland	2,591,670	73.7	12.4	7.2	2.5	0.8	3.3	31.2
Massachusetts	3,102,837	73.8	9.0	8.7	4.3	1.0	3.1	27.0
Michigan	4,540,372	83.2	9.7	1.3	2.2	0.7	2.8	24.1
Minnesota	2,541,611	77.6	10.4	3.2	3.3	0.9	4.6	21.9
Mississippi	1,164,118	79.4	15.2	0.6	1.9	1.0	1.9	24.6
Missouri	2,629,296	80.5	11.6	1.5	2.1	0.8	3.5	23.8
Montana	422,159	73.9	11.9	0.7	5.5	1.7	6.4	17.7
Nebraska	873,197	80.0	10.5	0.7	3.2	0.9	4.6	18.0
Nevada	923,155	74.5	14.7	3.9	2.7	1.6	2.6	23.3
New Hampshire	638,565	81.8	9.8	0.7	2.9	0.8	4.0	25.3
New Jersey	3,876,433	73.0	10.6	9.6	3.1	0.9	2.7	30.0
New Mexico	759,177	75.8	14.8	0.8	2.8	1.6	4.2	21.9
New York	8,211,916	56.3	9.2	24.4	6.2	0.8	3.0	31.7
North Carolina	3,837,773	79.4	14.0	0.9	1.9	1.1	2.7	24.0
North Dakota	319,481	77.7	10.0	0.4	5.0	0.8	6.0	15.8
Ohio	5,307,502	82.8	9.3	2.1	2.4	0.7	2.8	22.9
Oklahoma	1,539,792	80.0	13.2	0.5	2.1	1.1	3.1	21.7
Oregon	1,601,378	73.2	12.2	4.2	3.6	1.9	5.0	22.2
Pennsylvania	5,556,311	76.5	10.4	5.2	4.1	0.8	3.0	25.2
Puerto Rico	908,386	69.0	18.0	5.3	4.1	1.9	1.8	29.4
Rhode Island	490,905	80.1	10.4	2.5	3.8	1.0	2.2	22.5
South Carolina	1,822,969	79.4	14.0	0.8	2.3	1.3	2.1	24.3
South Dakota	372,648	77.3	10.4	0.5	4.5	0.8	6.5	16.6
Tennessee	2,618,404	81.7	12.5	0.8	1.5	0.8	2.6	24.5
Texas	9,157,875	77.7	14.5	1.9	1.9	1.3	2.8	25.4
Utah	1,032,858	75.5	14.1	2.2	2.8	1.2	4.2	21.3
Vermont	311,839	75.2	11.9	0.7	5.6	0.9	5.7	21.6
Virginia	3,481,820	77.1	12.7	3.6	2.3	1.2	3.2	27.0
Washington	2,785,479	73.3	12.8	4.9	3.2	1.4	4.3	25.5
West Virginia	718,106	80.3	12.7	0.8	2.9	0.9	2.4	26.2
Wisconsin	2,690,704	79.5	9.9	2.0	3.7	0.9	3.9	20.8
Wyoming	239,809	75.4	13.2	1.4	4.4	1.3	4.3	17.8
United States, total	128,279,228	75.7	12.2	4.7	2.9	1.2	3.3	25.5

NOTE: Data are for workers age 16 years and over.

SOURCE: U.S. Department of Commerce, U.S. Census Bureau, *Journey to Work: 2000*, Census 2000 Brief, Washington, DC: 2004, available at [http://www.census.gov/ as of Dec.1, 2004](http://www.census.gov/as of Dec.1, 2004).

**Table 4-2: Licensed Drivers: 2003**

State	Number of licensed drivers	Licensed drivers per registered vehicle	Resident population	Driving age population (16 and over)	Drivers per 1,000 total resident population	Drivers per 1,000 driving age
Alabama	3,598,034	0.84	4,500,752	3,519,861	799	1,022
Alaska	481,487	0.77	648,818	482,210	742	999
Arizona	3,819,425	1.08	5,580,811	4,218,346	684	905
Arkansas	1,998,127	1.07	2,725,714	2,121,576	733	942
California	22,657,288	0.84	35,484,453	27,072,097	639	837
Colorado	2,975,337	1.50	4,550,688	3,524,658	654	844
Connecticut	2,659,918	0.91	3,483,372	2,742,994	764	970
Delaware	585,136	0.87	817,491	640,705	716	913
District of Columbia	313,027	1.44	563,384	465,052	556	673
Florida	12,905,813	0.91	17,019,068	13,536,409	758	953
Georgia	5,757,953	0.76	8,684,715	6,632,373	663	868
Hawaii	834,188	0.94	1,257,608	993,229	663	840
Idaho	921,283	0.72	1,366,332	1,037,362	674	888
Illinois	8,054,232	0.88	12,653,544	9,775,632	637	824
Indiana	4,536,205	0.80	6,195,643	4,769,431	732	951
Iowa	1,977,909	0.60	2,944,062	2,334,501	672	847
Kansas	1,987,251	0.87	2,723,507	2,109,893	730	942
Kentucky	2,799,635	0.84	4,117,827	3,235,574	680	865
Louisiana	3,119,960	0.86	4,496,334	3,456,764	694	903
Maine	932,455	0.90	1,305,728	1,056,722	714	882
Maryland	3,552,187	0.93	5,508,909	4,286,161	645	829
Massachusetts	4,645,705	0.86	6,433,422	5,113,610	722	908
Michigan	7,065,438	0.84	10,079,985	7,834,332	701	902
Minnesota	3,035,553	0.68	5,059,375	3,961,243	600	766
Mississippi	1,885,974	0.98	2,881,281	2,205,910	655	855
Missouri	3,965,610	0.90	5,704,484	4,462,425	695	889
Montana	704,509	0.71	917,621	730,179	768	965
Nebraska	1,311,332	0.80	1,739,291	1,350,498	754	971
Nevada	1,487,899	1.24	2,241,154	1,718,518	664	866
New Hampshire	967,770	0.86	1,287,687	1,019,277	752	949
New Jersey	5,728,975	0.87	8,638,396	6,738,320	663	850
New Mexico	1,236,488	0.84	1,874,614	1,432,096	660	863
New York	11,356,988	1.59	19,190,115	15,168,381	592	749
North Carolina	6,014,782	1.00	8,407,248	6,540,784	715	920
North Dakota	459,791	0.68	633,837	505,920	725	909
Ohio	7,656,362	0.74	11,435,798	8,946,403	670	856
Oklahoma	2,348,449	0.78	3,511,532	2,734,780	669	859
Oregon	2,589,764	0.86	3,559,596	2,808,400	728	922
Pennsylvania	8,369,575	0.87	12,365,455	9,878,604	677	847
Rhode Island	731,323	0.92	1,076,164	860,320	680	850
South Carolina	2,918,957	0.94	4,147,152	3,238,681	704	901
South Dakota	554,553	0.69	764,309	593,175	726	935
Tennessee	4,204,166	0.89	5,841,748	4,603,736	720	913
Texas	13,498,071	0.93	22,118,509	16,546,368	610	816
Utah	1,548,456	0.78	2,351,467	1,685,459	659	919
Vermont	543,412	1.08	619,107	500,019	878	1,087
Virginia	5,045,857	0.81	7,386,330	5,788,638	683	872
Washington	4,407,269	0.83	6,131,445	4,809,816	719	916
West Virginia	1,272,135	0.93	1,810,354	1,466,648	703	867
Wisconsin	3,765,644	0.82	5,472,299	4,303,177	688	875
Wyoming	378,009	0.63	501,242	396,120	754	954
United States, total	196,165,666	0.89	290,809,777	225,953,387	675	868

<sup>1</sup>Some states report more licensed drivers than residents of driving age. This may occur for several reasons: 1) the records of expired licenses, drivers who have moved out of state, and people who have died are only periodically purged from a state's drivers license database; 2) some drivers fraudulently obtain a license in more than one state; and 3) some drivers obtain a license in a state other than that in which they are a legal resident.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, table DL-1C, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Dec. 1, 2004 .

Table 4-3: Transit Ridership in the 50 Largest Urbanized Areas: 2002

Urbanized area	Population (2000)	Rank by population	Annual unlinked passenger trips (thousands)	Percent				
				Motor bus	Heavy rail	Light rail	Commuter rail	Other
New York-Newark, NY-NJ-CT	17,799,861	1	3,373,251	40.1	52.2	0.2	6.6	0.9
Los Angeles-Long Beach-Santa Ana, CA	11,789,487	2	646,896	87.8	5.3	5.0	0.9	0.9
Chicago, IL-IN	8,307,904	3	595,512	56.7	30.3	0.0	12.3	0.7
Philadelphia, PA-NJ-DE-MD	5,149,079	4	332,550	52.5	28.3	6.8	9.7	2.8
Miami, FL	4,919,036	5	126,232	81.3	10.9	0.0	2.0	5.8
Dallas-Fort Worth-Arlington, TX	4,145,659	6	80,837	77.7	0.0	17.0	2.7	2.7
Boston, MA-NH-RI	4,032,484	7	395,026	29.1	40.8	18.7	9.7	1.6
Washington, DC-VA-MD	3,933,920	8	432,780	42.3	56.1	0.0	1.3	0.3
Detroit, MI	3,903,377	9	53,793	94.1	0.0	0.1	0.0	5.8
Houston, TX	3,822,509	10	96,888	97.8	0.0	0.0	0.0	2.2
Atlanta, GA	3,499,840	11	162,321	49.1	50.7	0.0	0.0	0.2
San Francisco-Oakland, CA	3,228,605	12	438,305	45.1	22.2	10.9	1.0	20.8
Phoenix-Mesa, AZ	2,907,049	13	44,470	96.5	0.0	0.0	0.0	3.5
Seattle, WA	2,712,205	14	140,183	66.8	0.0	0.3	0.6	32.4
San Diego, CA	2,674,436	15	97,422	70.3	0.0	26.1	1.6	2.0
Minneapolis-St. Paul, MN	2,388,593	16	75,104	97.5	0.0	0.0	0.0	2.5
St. Louis, MO-IL	2,077,662	17	49,614	68.7	0.0	29.6	0.0	1.7
Baltimore, MD	2,076,354	18	114,092	76.6	12.5	7.7	2.6	0.6
Tampa-St. Petersburg, FL	2,062,339	19	20,299	98.0	0.0	0.0	0.0	2.0
Denver-Aurora, CO	1,984,889	20	80,923	86.1	0.0	12.9	0.0	1.0
Cleveland, OH	1,786,647	21	64,365	82.5	11.2	4.8	0.0	1.6
Pittsburgh, PA	1,753,136	22	77,462	85.5	0.0	9.7	0.0	4.8
Portland, OR-WA	1,583,138	23	106,652	72.5	0.0	26.5	0.0	1.0
San Jose, CA	1,538,312	24	58,981	77.3	0.0	13.2	7.7	1.7
Riverside-San Bernardino, CA	1,506,816	25	26,091	90.3	0.0	0.0	6.1	3.6
Cincinnati, OH-KY-IN	1,503,262	26	29,012	98.6	0.0	0.0	0.0	1.4
Virginia Beach, VA	1,394,439	27	17,626	95.5	0.0	0.0	0.0	4.5
Sacramento, CA	1,393,498	28	28,583	68.9	0.0	29.9	0.0	1.2
Kansas City, MO-KS	1,361,744	29	15,171	96.3	0.0	0.0	0.0	3.7
San Antonio, TX	1,327,554	30	45,162	97.7	0.0	0.0	0.0	2.3
Las Vegas, NV	1,314,357	31	52,103	98.6	0.0	0.0	0.0	1.4
Milwaukee, WI	1,308,913	32	65,646	98.1	0.0	0.0	0.0	1.9
Indianapolis, IN	1,218,919	33	10,247	96.9	0.0	0.0	0.0	3.1
Providence, RI-MA	1,174,548	34	16,629	89.7	0.0	0.0	4.7	5.6
Orlando, FL	1,157,431	35	24,790	94.8	0.0	0.0	0.0	5.2
Columbus, OH	1,133,193	36	16,542	97.9	0.0	0.0	0.0	2.1
New Orleans, LA	1,009,283	37	61,145	85.5	0.0	8.8	0.0	5.7
Buffalo, NY	976,703	38	24,519	76.1	0.0	23.6	0.0	0.2
Memphis, TN-MS-AR	972,091	39	13,027	81.9	0.0	16.5	0.0	1.6
Austin, TX	901,920	40	35,568	98.2	0.0	0.0	0.0	1.8
Bridgeport-Stamford, CT-NY	888,890	41	38,108	60.7	0.0	0.0	38.4	1.0
Salt Lake City, UT	887,650	42	28,330	61.9	0.0	34.4	0.0	3.6
Jacksonville, FL	882,295	43	9,251	86.7	0.0	0.0	0.0	13.3
Louisville, KY-IN	863,582	44	15,022	97.5	0.0	0.0	0.0	2.5
Hartford, CT	851,535	45	19,159	95.6	0.0	0.0	1.5	2.8
Richmond, VA	818,836	46	14,475	97.8	0.0	0.0	0.0	2.2
Charlotte, NC-SC	758,927	47	16,587	96.6	0.0	0.0	0.0	3.4
Nashville-Davidson, TN	749,935	48	7,079	98.4	0.0	0.0	0.0	1.6
Oklahoma City, OK	747,003	49	5,990	97.5	0.0	0.0	0.0	2.5
Tucson, AZ	720,425	50	15,529	98.2	0.0	0.0	0.0	1.8
Top 50, total	127,900,270		8,315,352	55.8	32.3	4.0	5.0	2.9
United States, urbanized area total <sup>1</sup>	195,984,216		9,017,791	58.4	29.8	3.7	4.6	3.4
Top 50 as % of U.S. total	65.3		92.2	88.0	100.0	100.0	100.0	77.5

<sup>1</sup>Includes Puerto Rico.

**NOTE:** Transit ridership data in this table, including the United States total, are based on urban transit agencies that are required to report information to the federal government because they applied for or are direct beneficiaries of urbanized area formula grants (49 USC 5307). Transit agencies with nine or fewer vehicles that would otherwise need to report under this definition typically receive a waiver from detailed reporting and, thus, are not included in the database.

**SOURCE:** U.S. Department of Transportation, Federal Transit Administration, National Transit Database, available at <http://www.ntdprogram.com/NTD/> as of June 9, 2004.

## Passenger Travel

**Table 4-4: Urban Transit Ridership by State and Transit Mode: 2002**

State	Number of agencies reporting	Annual unlinked passenger trips (thousands)	Percent				
			Motor bus	Heavy rail	Light rail	Commuter rail	Other
Alabama	8	5,558	85.0	0.0	0.0	0.0	15.0
Alaska	2	3,467	90.0	0.0	0.0	0.0	10.0
Arizona	11	60,220	96.9	0.0	0.0	0.0	3.1
Arkansas	4	4,929	95.3	0.0	0.0	0.0	4.7
California	78	1,377,987	72.7	9.6	8.9	1.3	7.6
Colorado	6	88,477	86.9	0.0	11.8	0.0	1.3
Connecticut	17	46,552	96.5	0.0	0.0	0.6	2.9
Delaware	1	8,298	93.3	0.0	0.0	0.0	6.7
District of Columbia	1	391,304	37.8	62.0	0.0	0.0	0.2
Florida	27	203,105	85.8	6.8	0.0	1.2	6.1
Georgia	12	175,429	52.6	46.9	0.0	0.0	0.5
Hawaii	2	74,661	98.5	0.0	0.0	0.0	1.5
Idaho	3	1,678	92.0	0.0	0.0	0.0	8.0
Illinois	11	610,229	58.2	29.6	0.0	11.4	0.8
Indiana	17	29,089	83.6	0.0	0.0	12.3	4.0
Iowa	10	16,981	95.2	0.0	0.0	0.0	4.8
Kansas	4	4,554	87.9	0.0	0.0	0.0	12.1
Kentucky	3	22,857	97.6	0.0	0.0	0.0	2.4
Louisiana	9	72,950	87.7	0.0	7.4	0.0	5.0
Maine	5	3,233	60.3	0.0	0.0	0.0	39.7
Maryland	7	141,217	78.6	10.1	6.2	4.2	0.9
Massachusetts	12	417,318	32.3	38.6	17.7	9.4	2.0
Michigan	18	89,461	93.5	0.0	<0.1	0.0	6.4
Minnesota	7	81,346	97.5	0.0	0.0	0.0	2.5
Mississippi	2	1,454	89.0	0.0	0.0	0.0	11.0
Missouri	6	65,192	75.9	0.0	22.5	0.0	1.6
Montana	3	2,024	94.4	0.0	0.0	0.0	5.6
Nebraska	2	5,221	98.1	0.0	0.0	0.0	1.9
Nevada	2	60,568	98.4	0.0	0.0	0.0	1.6
New Hampshire	2	695	92.7	0.0	0.0	0.0	7.3
New Jersey	19	357,341	57.7	20.1	2.2	18.0	2.0
New Mexico	3	9,030	96.4	0.0	0.0	0.0	3.6
New York	43	3,111,235	38.9	54.6	0.2	5.6	0.7
North Carolina	12	39,017	96.0	0.0	0.0	0.0	4.0
North Dakota	3	1,512	81.3	0.0	0.0	0.0	18.7
Ohio	21	128,247	87.5	5.6	2.4	0.0	4.5
Oklahoma	2	9,033	96.1	0.0	0.0	0.0	3.9
Oregon	5	114,876	74.4	0.0	24.6	0.0	1.0
Pennsylvania	22	421,406	62.0	20.1	7.2	7.4	3.3
Rhode Island	2	14,794	95.3	0.0	0.0	0.0	4.7
South Carolina	8	9,013	87.4	0.0	0.0	0.0	12.6
South Dakota	2	1,010	82.1	0.0	0.0	0.0	17.8
Tennessee	8	26,256	88.4	0.0	8.2	0.0	3.4
Texas	31	293,828	92.1	0.0	4.7	0.7	2.5
Utah	2	29,687	63.6	0.0	32.9	0.0	3.5
Vermont	1	1,633	98.6	0.0	0.0	0.0	1.4
Virginia	14	51,641	92.3	0.0	0.0	5.3	2.4
Washington	17	170,529	70.8	0.0	0.2	0.5	28.5
West Virginia	4	3,453	97.5	0.0	0.0	0.0	2.5
Wisconsin	18	88,825	97.6	0.0	0.1	0.0	2.4
Wyoming	1	181	90.0	0.0	0.0	0.0	9.9
United States, total <sup>1</sup>	530	8,948,599	58.5	30.0	3.8	4.6	3.1

<sup>1</sup>Excludes Puerto Rico.

**NOTE:** Transit ridership data in this table, including the United States total, are based on urban transit agencies that are required to report information to the federal government because they applied for or are direct beneficiaries of urbanized area formula grants (49 USC 5307). Transit agencies with nine or fewer vehicles that would otherwise need to report under this definition typically receive a waiver from detailed reporting and, thus, are not included in the database. Data are assigned to the state of a transit agency's mailing address.

**SOURCE:** U.S. Department of Transportation, Federal Transit Administration, National Transit Database, available at <http://www.ntdprogram.com/NTD/> as of June 7, 2004.

**Table 4-5: Top 50 Amtrak Stations by Number of Boardings**

Station	Fiscal Year 2003		Fiscal Year 2004	
	Rank	Number of boardings	Rank	Number of boardings
New York, NY	1	4,261,741	1	4,367,553
Washington, DC	3	1,794,435	2	1,888,459
Philadelphia, PA	2	1,796,583	3	1,844,887
Chicago, IL	4	1,093,887	4	1,179,955
Newark, NJ	5	672,291	5	684,050
Los Angeles, CA	6	611,979	6	644,845
Trenton, NJ	7	495,593	7	499,399
Boston, MA	8	473,311	8	488,912
Baltimore, MD	9	436,898	9	455,059
Princeton Jct., NJ	11	424,245	10	449,608
Sacramento, CA	10	431,891	11	443,827
San Diego, CA	12	374,426	12	398,720
Wilmington, DE	13	353,536	13	372,104
Albany-Rensselaer, NY	14	317,994	14	323,160
New Haven, CT	17	249,506	15	309,268
Seattle, WA	15	299,242	16	299,466
Baltimore-Washington International Airport, MD	16	270,730	17	296,756
Providence, RI	20	207,857	18	239,209
Emeryville, CA	18	244,916	19	237,766
Irvine, CA	24	175,796	20	236,090
Portland, OR	19	236,421	21	235,479
Milwaukee, WI	21	204,477	22	221,624
Solana Beach, CA	23	178,934	23	195,482
Fullerton, CA	26	169,724	24	188,714
Metropark, NJ	25	169,847	25	178,972
Bakersfield, CA	22	191,225	26	176,745
Route 128, MA	28	160,672	27	172,075
Harrisburg, PA	30	145,970	28	159,340
Oceanside, CA	27	169,219	29	158,772
Davis, CA	29	154,637	30	157,289
Lancaster, PA	33	135,831	31	152,431
Boston Back Bay, MA	37	132,126	32	148,033
Stamford, CT	34	135,183	33	145,360
Anaheim, CA	38	125,709	34	144,466
Martinez, CA	31	144,992	35	144,087
Oakland, CA	32	142,378	36	139,714
San Juan Capistrano, CA	36	133,478	37	128,812
Fresno, CA	35	133,796	38	124,362
Santa Barbara, CA	41	117,460	39	122,911
Richmond (Staples Mill), VA	40	117,517	40	117,441
New Carrollton, MD	39	117,807	41	110,791
Boston-North, MA	42	115,019	42	109,550
Lorton, VA (Auto Train)	43	100,806	43	102,106
Richmond, CA	50	80,247	44	95,921
Sanford, FL (Auto Train)	44	98,998	45	95,377
Rhinecliff, NY	49	81,278	46	86,466
Stockton (San Joaquin St.), CA	45	89,047	47	86,052
Santa Ana, CA	46	89,012	48	83,653
Orlando, FL	47	84,544	49	80,745
New Orleans, LA	48	82,125	50	80,097
<b>Top 50 total</b>		<b>19,025,336</b>		<b>19,801,960</b>
<b>United States, total</b>		<b>24,028,119</b>		<b>25,053,564</b>
<b>Top 50 as % of U.S. total</b>		<b>79%</b>		<b>79%</b>

**NOTE:** Amtrak's fiscal year ends September 30.

**SOURCE:** Amtrak, Nov. 12, 2004.

**Table 4-6: Top 50 Airports by Passengers Enplaned**

Airport	Rank in 2003	Number of enplanements		
		1993	2002	2003
Atlanta, GA (Hartsfield Intl.)	1	22,295,205	37,070,492	38,228,500
Chicago, IL (O'Hare Intl.)	2	28,459,367	28,356,224	30,797,513
Dallas / Ft. Worth, TX (Dallas / Ft. Worth Intl.)	3	24,653,530	24,072,162	24,502,273
Los Angeles, CA (Los Angeles Intl.)	4	18,445,337	20,320,299	20,913,455
Denver, CO (Denver Intl.)	5	14,210,166	16,053,940	17,271,507
Phoenix, AZ (Phoenix Sky Harbor Intl.)	6	11,294,603	15,897,012	17,175,804
Las Vegas, NV (McCarran Intl.)	7	10,117,974	15,575,101	16,701,764
Houston, TX (George Bush Intercontinental)	8	8,696,901	15,223,638	15,495,455
Minneapolis, MN (Minneapolis-St. Paul Intl.)	9	10,377,457	15,045,630	15,362,399
Detroit, MI (Wayne County)	10	11,044,509	14,859,952	14,656,475
Newark, NJ (Newark)	11	10,969,567	13,113,997	13,087,544
Seattle, WA (Seattle-Tacoma Intl.)	12	9,010,385	12,577,597	12,787,620
San Francisco, CA (San Francisco Intl.)	13	14,003,556	12,250,289	12,227,636
Orlando, FL (Orlando Intl.)	14	8,724,950	12,127,425	12,049,112
Miami, FL (Miami Intl.)	15	10,137,504	11,125,611	11,049,687
New York, NY (John F. Kennedy Intl.)	16	8,257,682	9,930,102	10,745,946
Cincinnati, OH (Greater Cincinnati)	17	5,128,274	9,492,938	10,257,408
Philadelphia, PA (Philadelphia Intl.)	18	7,294,135	10,323,655	10,185,272
New York, NY (La Guardia)	19	9,340,107	9,713,965	10,135,517
Charlotte, NC (Douglas Muni.)	20	7,805,221	10,154,889	9,572,721
Boston, MA (Logan Intl.)	21	10,206,730	9,484,401	9,536,108
Baltimore, MD (Baltimore-Washington Intl.)	22	3,952,301	8,962,712	9,408,706
St. Louis, MO (Lambert-St. Louis Muni.)	23	9,902,321	11,765,453	9,302,358
Salt Lake City, UT (Salt Lake City Intl.)	24	7,147,123	7,254,485	8,874,157
Chicago, IL (Midway)	25	2,978,283	7,829,471	8,655,912
Miami / Ft. Lauderdale, FL (Ft. Lauderdale-Hollywood Intl.)	26	3,879,308	7,662,281	8,045,678
Honolulu, HI (Honolulu Intl.)	27	8,484,364	7,734,079	7,485,240
San Diego, CA (San Diego Intl.-Lindbergh)	28	5,699,382	7,082,934	7,428,369
Tampa, FL (Tampa Intl.)	29	4,576,551	7,260,166	7,327,728
Washington, DC (Dulles Intl.)	30	3,982,251	5,404,106	6,926,067
Oakland, CA (Oakland Metropolitan Intl.)	31	3,577,588	5,968,718	6,542,940
Washington, DC (Ronald Reagan Washington National)	32	7,186,011	5,551,990	6,067,824
Portland, OR (Portland Intl.)	33	4,187,972	5,784,838	5,950,495
Pittsburgh, PA (Greater Pittsburgh)	34	8,383,674	7,528,104	5,853,499
San Jose, CA (Norman Y. Mineta San Jose Intl.)	35	3,186,195	5,067,502	5,026,697
Kansas City, MO (Kansas City Intl.)	36	3,778,822	5,073,709	4,805,884
Cleveland, OH (Hopkins Intl.)	37	3,890,066	5,016,032	4,802,602
New Orleans, LA (New Orleans Intl.)	38	3,281,874	4,545,152	4,553,564
San Juan, PR (Luis Munoz Marin Intl.)	39	4,150,438	4,472,230	4,543,833
Memphis, TN (Memphis Intl.)	40	3,238,706	4,537,659	4,504,679
Sacramento, CA (Sacramento Intl.)	41	2,538,181	4,052,945	4,361,647
Santa Ana, CA (John Wayne Intl.)	42	2,854,297	3,889,774	4,220,145
Nashville, TN (Metropolitan)	43	3,815,882	3,753,291	3,768,227
Raleigh-Durham, NC (Raleigh-Durham)	44	4,203,390	3,753,975	3,726,659
Houston, TX (William P. Hobby)	45	4,061,425	3,817,754	3,702,964
Indianapolis, IN (Indianapolis Intl.)	46	2,712,888	3,206,486	3,412,072
Austin, TX (Robert Muller Muni.)	47	2,268,486	3,150,412	3,125,082
San Antonio, TX (San Antonio Intl.)	48	2,753,008	3,100,390	3,055,642
Ontario, CA (Ontario Intl.)	49	3,025,640	2,979,565	3,021,059
Hartford / Springfield / Westfield CT (Bradley Intl.)	50	2,169,082	3,047,535	3,011,045
<b>Top 50 airports, total</b>		<b>386,338,669</b>	<b>482,023,067</b>	<b>494,250,490</b>
<b>United States, all airports</b>		<b>466,677,495</b>	<b>574,858,880</b>	<b>593,974,008</b>
<b>Top 50 as % of all enplanements</b>		<b>83</b>	<b>84</b>	<b>83</b>

**NOTE:** Rank order by total enplaned passengers on large certificated U.S. air carriers (Majors, Nationals, Large Regionals, and Medium Regionals), scheduled and nonscheduled operations, at all airports served within the 50 states, the District of Columbia, and other U.S. areas designated by the Federal Aviation Administration. These air carriers operate aircraft with more than 60 seats or a payload capacity of more than 18,000 pounds. Data for commuter and foreign-flag air carriers are not included. Data differ from those in table 1-10 which include enplaned passengers on air carriers of all types, including foreign-flag carriers.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, Office of Airline Information, Schedule T-3 data, Washington, DC: various years.



**Table 4-7: Major Airports by On-time Departure Performance  
(Percent on-time)**

Airport	2002		2003	
	Rank	On-time percentage	Rank	On-time percentage
Houston, TX (George Bush Intercontinental)	2	89.5	1	90.5
Portland, OR (Portland International)	13	86.1	2	89.6
Salt Lake City, UT (Salt Lake City International)	5	87.8	3	89.6
Los Angeles, CA (Los Angeles International)	12	86.1	4	89.3
San Francisco, CA (San Francisco International)	6	87.6	5	88.9
St. Louis, MO (Lambert-St Louis International)	10	86.9	6	88.7
Denver, CO (Denver International)	4	88.2	7	88.3
Tampa, FL (Tampa International)	14	85.9	8	88.2
San Diego, CA (San Diego International)	21	85.1	9	88.1
Washington, DC (Ronald Reagan Washington National)	1	90.1	10	87.8
Orlando, FL (Orlando International)	8	87.4	11	87.5
Minneapolis, MN (Minneapolis-St. Paul International/Wold-Chamberlain)	19	85.2	12	87.3
Pittsburgh, PA (Pittsburgh International)	7	87.5	13	86.3
Seattle, WA (Seattle-Tacoma International)	23	83.6	14	86.2
Fort Lauderdale, FL (Fort Lauderdale/Hollywood International)	18	85.3	15	85.8
Detroit, MI (Detroit Metropolitan Wayne County)	30	80.2	16	85.6
Las Vegas, NV (Las Vegas McCarran International)	28	81.9	17	85.0
Cincinnati, OH (Cincinnati/Northern Kentucky International)	9	87.3	18	84.9
Phoenix, AZ (Phoenix Sky Harbor International)	27	82.3	19	84.3
Fort Worth, TX (Dallas/Fort Worth International)	16	85.6	20	84.2
New York, NY (LaGuardia International)	11	86.8	21	84.2
Charlotte, NC (Charlotte/Douglas International)	20	85.1	22	84.2
Miami, FL (Miami International)	15	85.7	23	83.5
Baltimore, MD (Baltimore/Washington International)	29	80.4	24	83.3
Boston, MA (General Edward Lawrence Logan International)	17	85.5	25	83.3
New York, NY (John F. Kennedy International)	22	83.7	26	83.2
Newark, NJ (Newark Liberty International)	3	88.2	27	82.9
Atlanta, GA (Hartsfield-Jackson Atlanta International)	24	83.3	28	81.5
Chicago, IL (Chicago Midway International)	31	75.4	29	81.3
Philadelphia, PA (Philadelphia International)	26	82.3	30	79.3
Chicago, IL (Chicago O'Hare International)	25	82.8	31	79.2

**NOTE:** Government regulations currently require airlines to report on-time performance at the 31 airports that account for at least 1 percent of the nation's total domestic scheduled-service passenger enplanements.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, Office of Airline Information, Airline On-time Tables, Washington, DC: 2004, available at [http://www.bts.gov/programs/airline\\_information/airline\\_ontime\\_tables/](http://www.bts.gov/programs/airline_information/airline_ontime_tables/) as of Nov. 11, 2004.

## Passenger Travel

**Table 4-8: Top 15 Cruise Ship Ports by Port of Departure**

Port	Rank in 2003	2002		2003	
		Passengers (thousands)	Cruises	Passengers (thousands)	Cruises
Miami, FL	1	1,899	776	1,865	735
Port Canaveral, FL	2	1,036	423	1,116	451
Fort Lauderdale, FL	3	1,065	544	1,078	544
San Juan, PR	4	582	239	571	225
Los Angeles, CA	5	538	236	515	225
New York, NY	6	293	177	424	212
Tampa, FL	7	323	174	418	213
Galveston, TX	8	271	149	377	203
New Orleans, LA	9	256	126	297	143
Honolulu, HI	10	182	86	172	79
Long Beach, CA	11	U	U	171	70
Seattle, WA	12	118	62	165	78
Seward, AK	13	151	78	147	83
San Diego, CA	14	140	82	93	65
Boston, MA	15	69	42	69	43
All other ports		722	412	805	471
Top 15, total		U	U	7,478	3,369
Total		7,645	3,606	8,283	3,840
Top 15 as percent of total		U	U	90.3	87.7

**KEY:** U = data are not available.

**NOTES:** Cruise passenger statistics for this table are based on the passenger data provided by the ten major North American cruise brands. Those brands are as follows, listed in order of passenger volume for 2003: Carnival Cruise Line, Royal Caribbean International, Norwegian Cruise Line, Princess Cruises, Celebrity Cruises, Holland America Line, Disney Cruise Line, Costa Cruise Lines, Cunard Cruise Line, and Crystal Cruises. Vancouver, Canada, the fourth largest North American point of passenger embarkment, is not listed on this table.

**SOURCE:** U.S. Department of Transportation, Maritime Administration, Cruise Passenger Statistics, available at [http://www.marad.dot.gov/Marad\\_Statistics/index.html](http://www.marad.dot.gov/Marad_Statistics/index.html) as of Aug. 26, 2004.

**Table 4-9: Incoming Personal Vehicle Crossings, U.S.-Canadian Border (Thousands)**

State	1999	2000	2001	2002	2003
Alaska	120	118	116	112	114
Idaho	219	209	198	185	168
Maine	3,903	3,909	3,469	3,072	3,142
Michigan	12,396	11,970	10,876	10,011	9,157
Minnesota	1,137	1,104	1,048	953	1,017
Montana	577	490	478	453	423
New York	10,658	10,833	10,581	10,862	9,598
North Dakota	636	632	594	600	581
Vermont	1,573	1,599	1,493	1,511	1,426
Washington	6,002	6,052	5,455	4,779	4,593
United States, total	37,220	36,915	34,308	32,539	30,220

**Table 4-10: Incoming Passengers in Personal Vehicles, U.S.-Canadian (Thousands)**

State	1999	2000	2001	2002	2003
Alaska	260	264	252	256	242
Idaho	526	510	484	404	362
Maine	8,176	7,968	6,828	6,054	6,085
Michigan	29,456	32,471	21,976	18,345	16,504
Minnesota	2,932	3,040	2,733	2,558	2,664
Montana	1,806	1,453	1,307	2,331	710
New York	25,478	25,302	24,370	25,641	21,197
North Dakota	1,629	1,675	1,509	1,576	1,533
Vermont	3,302	3,123	2,946	2,912	2,717
Washington	15,803	14,239	12,567	9,931	9,489
United States, total	89,369	90,047	74,971	70,008	61,502

**Table 4-11: Incoming Train Passengers, U.S.-Canadian Border (Thousands)**

State	1999	2000	2001	2002	2003
Alaska	28	35	34	30	44
Idaho	2	2	2	2	2
Maine	3	3	3	4	2
Michigan	52	54	48	42	40
Minnesota	20	20	21	21	23
Montana	1	1	1	1	1
New York	85	93	90	82	67
North Dakota	5	5	5	6	6
Vermont	3	3	2	2	2
Washington	50	52	48	65	48
United States, total	249	270	254	225	190

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Canadian Border Crossing Data*, Washington, DC: 2004, available at [http://www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_canada/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_canada/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

## Passenger Travel

**Table 4-12: Incoming Bus Crossings, U.S.-Canadian Border  
(Thousands)**

State	1999	2000	2001	2002	2003
Alaska	10	10	9	9	10
Idaho	<1	<1	<1	<1	<1
Maine	2	2	2	2	1
Michigan	51	54	53	50	56
Minnesota	4	4	4	4	3
Montana	3	2	2	1	1
New York	77	85	70	67	60
North Dakota	3	3	3	3	2
Vermont	6	7	6	6	5
Washington	24	22	20	19	16
United States, total	182	189	169	161	157

**Table 4-13: Incoming Passengers on Buses, U.S.-Canadian Border  
(Thousands)**

State	1999	2000	2001	2002	2003
Alaska	156	149	139	141	148
Idaho	18	18	16	20	15
Maine	60	64	53	50	38
Michigan	864	1,157	1,269	1,201	1,194
Minnesota	100	98	91	76	76
Montana	54	40	36	28	27
New York	2,245	2,475	2,080	2,020	1,699
North Dakota	117	112	99	93	76
Vermont	180	192	175	155	130
Washington	573	567	498	430	377
United States, total	4,367	4,873	4,456	4,213	3,780

**Table 4-14: Incoming Pedestrians, U.S.-Canadian Border  
(Thousands)**

State	1999	2000	2001	2002	2003
Alaska	<1	<1	<1	<1	<1
Idaho	3	3	2	2	2
Maine	121	122	118	101	105
Michigan	U	U	U	U	U
Minnesota	26	28	29	26	29
Montana	21	14	8	6	7
New York	313	287	421	825	662
North Dakota	8	7	10	7	6
Vermont	29	22	23	20	16
Washington	67	102	137	94	110
United States, total	588	585	750	1,082	937

**KEY:** U = data are unavailable.

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Canadian Border Crossing Data*, Washington, DC: 2004, available at [http://www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_canada/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_canada/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

**Table 4-15: Incoming Personal Vehicle Crossings, U.S.-Mexican (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	9,887	10,304	10,102	10,428	9,913
California	30,616	30,018	30,160	31,946	32,675
New Mexico	458	467	574	765	650
Texas	48,508	50,368	48,691	46,710	44,831
United States, total	89,470	91,157	89,527	89,849	88,068

**Table 4-16: Incoming Passengers in Personal Vehicles, U.S.-Mexican (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	25,221	26,856	23,727	26,895	24,424
California	75,216	74,569	67,411	68,180	70,758
New Mexico	1,306	1,583	1,354	1,687	1,620
Texas	139,779	136,786	116,614	102,258	96,895
United States, total	241,522	239,795	209,106	199,021	193,697

**Table 4-17: Incoming Train Passengers, U.S.-Mexican Border (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	1	5	3	2	2
California	10	6	7	4	2
New Mexico	NA	NA	NA	NA	NA
Texas	6	8	9	9	8
United States, total	16	18	19	15	12

**KEY FOR DATA ON THIS PAGE:** NA = not applicable.

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Mexican Border Crossing Data*, Washington, DC: 2004, available at [http://www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_mexico/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_mexico/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

## Passenger Travel

**Table 4-18: Incoming Bus Crossings, U.S.-Mexican Border (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	10	14	13	13	13
California	157	151	163	165	186
New Mexico	0	0	0	1	1
Texas	121	105	111	130	119
United States, total	288	271	288	309	319

**Table 4-19: Incoming Passengers on Buses, U.S.-Mexican Border (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	101	167	175	178	210
California	1,216	1,671	1,402	1,814	1,577
New Mexico	2	1	3	10	17
Texas	2,040	1,627	1,786	1,925	1,943
United States, total	3,358	3,466	3,367	3,926	3,747

**Table 4-20: Incoming Pedestrians, U.S.-Mexican Border (Thousands)**

State	1999	2000	2001	2002	2003
Arizona	8,380	8,391	8,995	9,682	9,155
California	18,278	18,597	21,700	18,628	18,193
New Mexico	200	191	186	264	259
Texas	21,356	19,911	20,621	21,704	21,056
United States, total	48,213	47,090	51,501	50,278	48,664

**SOURCE FOR DATA ON THIS PAGE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *U.S.-Mexican Border Crossing Data*, Washington, DC: 2004, available at [http://www.bts.gov/programs/international/border\\_crossing\\_entry\\_data/us\\_mexico/index.html](http://www.bts.gov/programs/international/border_crossing_entry_data/us_mexico/index.html) as of Aug. 19, 2004. Based on the following primary data source: U.S. Department of Treasury, U.S. Customs Service, Office of Field Operations, Operations Management Database.

**Table 4-21: Overseas Visitors to the United States by Destination State and Territory<sup>1</sup>**

	1998			2001			2003		
	Rank	Visitors (thousands)	Percent of U.S. total	Rank	Visitors (thousands)	Percent of U.S. total	Rank	Visitors (thousands)	Percent of U.S. total
Florida	1	6,067	25.6	1	5,262	24.1	1	4,200	23.3
New York	3	5,285	22.3	2	5,043	23.1	1	4,200	23.3
California	2	5,972	25.2	3	4,847	22.2	3	3,984	22.1
Hawaii	4	2,796	11.8	4	2,205	10.1	4	1,947	10.8
Nevada	5	1,920	8.1	5	1,572	7.2	5	1,370	7.6
Guam	9	1,043	4.4	7	1,113	5.1	6	847	4.7
Illinois	6	1,256	5.3	7	1,113	5.1	7	829	4.6
Massachusetts	7	1,161	4.9	6	1,179	5.4	7	829	4.6
Texas	8	1,114	4.7	9	939	4.3	7	829	4.6
New Jersey	10	853	3.6	10	808	3.7	10	685	3.8
Pennsylvania	13	592	2.5	12	699	3.2	11	613	3.4
Arizona	10	853	3.6	13	633	2.9	12	487	2.7
Georgia	12	664	2.8	11	786	3.6	13	451	2.5
Michigan	18	379	1.6	14	437	2.0	14	361	2.0
Washington	14	521	2.2	17	393	1.8	15	342	1.9
Ohio	18	379	1.6	17	393	1.8	16	324	1.8
Colorado	15	450	1.9	14	437	2.0	17	288	1.6
Connecticut	22	308	1.3	21	284	1.3	18	252	1.4
North Carolina	20	355	1.5	20	306	1.4	18	252	1.4
Utah	20	355	1.5	21	284	1.3	18	252	1.4
Virginia	16	403	1.7	19	327	1.5	21	234	1.3
Louisiana	16	403	1.7	14	437	2.0	22	216	1.2
Maryland	25	213	0.9	24	262	1.2	23	198	1.1
Oregon	23	261	1.1	27	175	0.8	24	162	0.9
Tennessee	24	237	1.0	25	240	1.1	24	162	0.9
Indiana	30	142	0.6	31	109	0.5	26	144	0.8
South Carolina	25	213	0.9	26	196	0.9	26	144	0.8
Wisconsin	28	190	0.8	28	153	0.7	28	108	0.6
Minnesota	25	213	0.9	21	284	1.3	29	90	0.5
Missouri	29	166	0.7	28	153	0.7	29	90	0.5
New Hampshire	31	118	0.5	31	109	0.5	29	90	0.5
New Mexico	31	118	0.5	U	U	U	29	90	0.5
Alabama	34	95	0.4	31	109	0.5	33	72	0.4
Kentucky	37	71	0.3	U	U	U	33	72	0.4
Rhode Island	34	95	0.4	34	87	0.4	33	72	0.4
Maine	31	118	0.5	30	131	0.6	U	U	U
Vermont	37	71	0.3	U	U	U	U	U	U
Wyoming	34	95	0.4	U	U	U	U	U	U
Oklahoma	37	71	0.3	U	U	U	U	U	U
Iowa	37	71	0.3	U	U	U	U	U	U
Alaska	41	47	0.2	U	U	U	U	U	U
United States, total		23,698			21,833			18,026	

<sup>1</sup>International travelers to the United States from Canada and Mexico are not included.

**KEY:** U = data are unavailable.

**NOTES:** A visitor may visit more than one state. "Percent of U.S. total" represents the percent of overseas visitors visiting the state. These columns, therefore, do not sum to 100. Some states are not shown due to low sampling size of overseas visitors. The District of Columbia is included, together with the rest of its metropolitan area, in table 4-22.

**SOURCES:** U.S. Department of Commerce, International Trade Administration, Office of Tourism Industries, *Overseas Visitors to Select U.S. States and Territories*, Washington, DC: Annual Issues, available at <http://tinet.ita.doc.gov/> as of June 3, 2004.

**Table 4-22: Overseas Visitors to the United States by Destination City<sup>1</sup>**

	1998			2001			2003		
	Rank	Visitors (thousands)	Percent of U.S. total	Rank	Visitors (thousands)	Percent of U.S. total	Rank	Visitors (thousands)	Percent of U.S. total
New York City, NY	1	5,000	21.1	1	4,803	22.0	1	3,984	22.1
Los Angeles, CA	2	3,555	15.0	2	2,816	12.9	2	2,127	11.8
Miami, FL	3	3,270	13.8	3	2,554	11.7	3	2,073	11.5
Orlando, FL	4	2,867	12.1	4	2,467	11.3	4	1,767	9.8
San Francisco, CA	5	2,583	10.9	5	1,965	9.0	5	1,694	9.4
Honolulu/Oahu, HI	6	2,228	9.4	6	1,747	8.0	6	1,622	9.0
Las Vegas, NV	7	1,801	7.6	7	1,506	6.9	7	1,298	7.2
Washington, DC-MD-VA	8	1,398	5.9	8	1,201	5.5	8	865	4.8
Chicago, IL	9	1,209	5.1	9	1,070	4.9	9	775	4.3
Boston, MA	10	1,043	4.4	9	1,070	4.9	10	757	4.2
San Diego, CA	11	782	3.3	12	589	2.7	11	433	2.4
Houston, TX	16	498	2.1	14	415	1.9	12	397	2.2
Philadelphia, PA	23	355	1.5	14	415	1.9	12	397	2.2
Atlanta, GA	13	569	2.4	11	699	3.2	14	379	2.1
Ft. Lauderdale, FL	14	521	2.2	14	415	1.9	15	342	1.9
San Jose, CA	17	474	2.0	14	415	1.9	16	324	1.8
Tampa/St. Petersburg, FL	12	735	3.1	13	502	2.3	16	324	1.8
Dallas/Ft. Worth, TX	20	403	1.7	20	349	1.6	18	306	1.7
Seattle, WA	17	474	2.0	20	349	1.6	18	306	1.7
Anaheim, CA	14	521	2.2	18	393	1.8	20	288	1.6
Florida Keys, FL	22	379	1.6	22	284	1.3	21	252	1.4
Detroit, MI	25	261	1.1	22	284	1.3	22	234	1.3
New Orleans, LA	23	355	1.5	18	393	1.8	23	198	1.1
Newark, NJ	25	261	1.1	28	196	0.9	23	198	1.1
Phoenix, AZ	19	427	1.8	25	262	1.2	23	198	1.1
Denver, CO	25	261	1.1	27	240	1.1	26	180	1.0
Maui, HI	20	403	1.7	22	284	1.3	26	180	1.0
Monterey, CA	30	237	1.0	34	153	0.7	28	144	0.8
Sacramento, CA	36	166	0.7	34	153	0.7	28	144	0.8
West Palm Beach, FL	25	261	1.1	30	175	0.8	28	144	0.8
Ft. Myers, FL	25	261	1.1	28	196	0.9	31	126	0.7
Portland, OR	33	190	0.8	43	109	0.5	31	126	0.7
Riverside/San Bernadino, CA	30	237	1.0	30	175	0.8	31	126	0.7
Baltimore, MD	38	142	0.6	34	153	0.7	34	108	0.6
Buffalo-Niagara Falls, NY	30	237	1.0	30	175	0.8	34	108	0.6
Oakland, CA	38	142	0.6	39	131	0.6	34	108	0.6
Pittsburgh, PA	45	118	0.5	43	109	0.5	34	108	0.6
Santa Barbara, CA	36	166	0.7	39	131	0.6	34	108	0.6
Sarasota, FL	33	190	0.8	30	175	0.8	34	108	0.6
Cincinnati, OH	45	118	0.5	43	109	0.5	40	90	0.5
Hawaii, HI	38	142	0.6	39	131	0.6	40	90	0.5
Minn./St. Paul, MN	33	190	0.8	25	262	1.2	40	90	0.5
Nassau, NY	45	118	0.5	34	153	0.7	40	90	0.5
Salt Lake City, UT	45	118	0.5	34	153	0.7	40	90	0.5
San Antonio, TX	45	118	0.5	43	109	0.5	40	90	0.5
Austin, TX	45	118	0.5	39	131	0.6	46	72	0.4
Charlotte, NC	65	47	0.2	43	109	0.5	46	72	0.4
Cleveland, OH	54	95	0.4	43	109	0.5	46	72	0.4
Columbus, OH	63	71	0.3	52	87	0.4	46	72	0.4
Daytona Beach, FL	45	118	0.5	U	U	U	46	72	0.4
Indianapolis, IN	54	95	0.4	U	U	U	46	72	0.4
Jacksonville, FL	38	142	0.6	U	U	U	46	72	0.4
Kauai, HI	54	95	0.4	43	109	0.5	46	72	0.4
Melbourne, FL	38	142	0.6	43	109	0.5	46	72	0.4
Nashville, TN	54	95	0.4	U	U	U	46	72	0.4
Raleigh-Durham, NC	38	142	0.6	52	87	0.4	46	72	0.4
St. Louis, MO	54	95	0.4	52	87	0.4	46	72	0.4
Tucson, AZ	45	118	0.5	U	U	U	58	54	0.3
United States, total		23,698			21,833			18,026	

<sup>1</sup>International travelers to the United States from Canada and Mexico are not included.

**KEY:** U = data are unavailable.

**NOTE:** A visitor may visit more than one city. "Percent of U.S. total" represents the percent of visitors visiting the city. These columns, therefore, do not sum to 100. Some cities are not shown due to low sampling size of overseas visitors.

**SOURCE:** U.S. Department of Commerce, International Trade Administration, Office of Tourism Industries, *Overseas Visitors to Select U.S. Cities/Hawaiian Islands*, Washington, DC: Annual Issues, available at <http://tinet.ita.doc.gov/> as of June 4, 2004.



## **Section E**



## **Registered Vehicles and Vehicle-Miles Traveled**



Table 5-1: Motor-Vehicle Registrations: 2003 (Thousands)

State	Private and commercial				Partial classification of trucks <sup>2</sup>				
	Auto-mobiles	Motor-cycles	Buses	Trucks <sup>1</sup>	Truck tractors	Pickups	Vans	Sport utilities	Other light <sup>3</sup>
Alabama	1,755	70	3	2,522	78	1,291	356	247	529
Alaska	259	20	2	364	3	184	49	120	5
Arizona	1,975	208	1	1,558	17	741	241	495	10
Arkansas	945	38	2	914	18	545	116	236	30
California	18,500	547	35	11,203	130	3,877	2,240	3,785	53
Colorado	877	8	2	1,107	19	340	117	328	94
Connecticut	2,030	63	9	884	3	296	209	368	5
Delaware	410	15	1	263	4	97	61	95	4
District of Columbia	180	1	2	35	0	5	10	17	1
Florida	8,458	386	5	5,759	174	1,969	1,238	1,913	30
Georgia	4,165	118	4	3,450	79	1,546	553	1,062	19
Hawaii	518	22	4	364	1	159	83	116	2
Idaho	548	44	1	728	13	390	82	175	5
Illinois	5,697	261	17	3,449	67	1,129	923	1,158	53
Indiana	3,227	144	9	2,414	56	1,071	530	610	61
Iowa	1,873	140	1	1,447	58	697	279	294	33
Kansas	826	56	1	1,457	28	605	314	361	92
Kentucky	1,934	51	2	1,407	27	763	222	343	119
Louisiana	1,952	57	15	1,671	36	962	215	415	117
Maine	614	35	1	418	4	212	68	117	8
Maryland	2,465	64	7	1,362	16	449	348	524	17
Massachusetts	3,596	130	11	1,812	13	571	446	757	21
Michigan	4,756	214	11	3,630	72	1,359	888	1,120	61
Minnesota	2,490	174	7	1,980	32	785	413	532	44
Mississippi	1,128	27	3	787	9	474	94	186	5
Missouri	2,593	74	4	1,831	45	892	337	472	75
Montana	431	66	1	554	20	299	55	118	146
Nebraska	842	27	1	795	38	365	132	192	153
Nevada	614	37	2	581	8	233	77	187	3
New Hampshire	651	60	1	475	6	200	95	159	5
New Jersey	4,402	140	19	2,136	11	514	612	977	34
New Mexico	679	32	2	789	12	410	94	204	22
New York	8,232	150	24	2,326	12	615	673	946	59
North Carolina	3,624	95	10	2,384	58	1,080	405	676	93
North Dakota	342	19	1	338	9	161	47	69	39
Ohio	6,464	285	17	3,898	43	1,561	1,009	1,086	51
Oklahoma	1,610	72	2	1,384	12	733	176	302	155
Oregon	1,520	75	4	1,470	21	701	248	406	28
Pennsylvania	6,073	268	29	3,500	73	1,149	772	1,199	18
Rhode Island	543	25	2	250	4	94	57	82	1
South Carolina	1,904	57	5	1,203	17	561	206	383	34
South Dakota	384	38	1	422	18	194	58	88	2
Tennessee	2,761	94	4	1,940	65	971	312	582	47
Texas	7,731	258	18	6,741	165	3,396	907	2,134	213
Utah	1,003	38	0	975	41	434	138	316	65
Vermont	269	26	1	236	3	102	38	69	4
Virginia	4,008	73	3	2,248	35	882	457	781	35
Washington	2,949	141	3	2,357	29	1,063	434	697	37
West Virginia	742	19	1	620	10	327	84	171	5
Wisconsin	2,562	240	10	2,007	40	810	478	527	101
Wyoming	227	28	1	372	4	218	34	95	7
United States, total	134,337	5,328	325	92,814	1,757	38,483	18,029	28,292	2,850

<sup>1</sup>Includes light trucks (pickups, vans, sport utility vehicles, and other light trucks) as well as medium and large trucks.

<sup>2</sup>May not add to total because some trucks may be unclassified and other trucks may be included more than once. For instance, a truck-tractor in farm use may be counted as both a "truck tractor" and an "other light truck."

<sup>3</sup>Includes farm trucks.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, tables MV-1 and MV-9, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Dec. 1, 2004.

Vehicles

**Table 5-2: Trailer and Semi-Trailer Registrations: 2003<sup>1</sup>**

State	Private and commercial			Publicly owned	
	Commercial trailers <sup>2</sup>	Light farm trailers, car trailers, etc. <sup>3</sup>	House trailers <sup>4</sup>	Federal government	State, county, municipal government
Alabama	68,645	82,029	16,555	15	1,133
Alaska	10,466	99,110	U	136	1,444
Arizona	86,203	299,986	136,253	101	3,986
Arkansas	49,004	431,139	10,541	6	276
California	718,115	1,560,921	569,160	383	56,215
Colorado	57,189	134,440	56,607	83	2,139
Connecticut	72,787	124,173	U	13	2,835
Delaware	25,975	35,518	U	7	910
District of Columbia	72	819	U	156	351
Florida	54,668	1,374,408	U	189	29,573
Georgia	177,326	591,022	41,713	133	4,433
Hawaii	4,184	20,213	U	5	1,097
Idaho	27,227	61,611	57,122	61	2,648
Illinois	117,699	530,019	124,853	239	272
Indiana	61,738	407,725	106,079	40	2,256
Iowa	130,887	29,628	75,965	21	6,120
Kansas	71,771	20,731	16,308	24	915
Kentucky	4,310	31,833	36,787	65	139
Louisiana	213,883	334,647	9,745	27	3,015
Maine	734,199	116,486	U	8	2,387
Maryland	19,761	255,312	U	106	417
Massachusetts	25,383	279,727	U	75	209
Michigan	119,879	953,029	146,354	88	4,658
Minnesota	173,434	754,140	102,662	84	3,501
Mississippi	29,310	62,333	9,188	32	1,692
Missouri	92,904	479,639	U	128	456
Montana	29,634	133,922	59,663	54	2,629
Nebraska	100,824	201,414	U	13	1,158
Nevada	10,915	83,955	37,334	49	1,178
New Hampshire	12,070	135,368	U	3	1,292
New Jersey	21,962	383,141	U	165	114
New Mexico	42,378	26,484	24,031	143	3,414
New York	15,502	607,150	U	365	10,531
North Carolina	88,673	656,001	1,706	46	8,010
North Dakota	26,167	31,369	18,701	10	1,093
Ohio	108,914	530,091	109,638	128	11,657
Oklahoma	118,938	65,923	8,816	36	2,150
Oregon	52,632	94,105	117,420	102	7,493
Pennsylvania	148,947	509,562	249,779	211	4,423
Rhode Island	6,082	48,043	U	8	962
South Carolina	18,547	31,806	134	34	1,242
South Dakota	51,590	60,225	54,861	31	1,404
Tennessee	81,727	40,234	205	73	369
Texas	257,764	1,535,735	U	186	36,265
Utah	46,429	67,552	66,113	77	486
Vermont	86,548	75,068	U	2	1,159
Virginia	80,901	165,735	70,863	62	2,761
Washington	53,845	481,706	104,151	163	2,146
West Virginia	64,444	86,306	43,207	9	3,470
Wisconsin	232,321	19,658	51,500	29	1,675
Wyoming	17,927	244,990	29,799	91	1,166
United States, total	4,922,700	15,386,181	2,563,813	4,315	241,324

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

<sup>2</sup> This column includes all commercial type vehicles and semi-trailers that are in private or for-hire use.

<sup>3</sup> Several states do not require the registration of light farm or automobile trailers.

<sup>4</sup> Some states may not require the registrations of mobile homes and house trailers. In states where this classification is not available, house trailers are included with light car trailers.

**KEY:** U = data are unavailable.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, table MV-11, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Dec.

**Table 5-3: Highway Vehicle-Miles Traveled (VMT)**

State	1998		2003	
	Total VMT (millions)	VMT per capita	Total VMT (millions)	VMT per capita
Alabama	55,205	12,532	58,637	13,028
Alaska	4,514	7,281	4,942	7,617
Arizona	45,158	9,248	53,896	9,657
Arkansas	28,346	10,794	30,639	11,241
California	290,630	8,810	323,592	9,119
Colorado	39,283	9,542	43,379	9,532
Connecticut	29,322	8,714	31,432	9,023
Delaware	8,204	10,752	9,044	11,063
District of Columbia	3,307	5,853	4,150	7,366
Florida	137,543	8,881	185,511	10,900
Georgia	96,433	12,263	109,246	12,579
Hawaii	7,987	6,574	9,312	7,405
Idaho	13,428	10,725	14,290	10,459
Illinois	101,273	8,252	106,536	8,419
Indiana	69,129	11,523	72,511	11,704
Iowa	28,911	9,959	31,108	10,566
Kansas	27,095	10,182	28,672	10,528
Kentucky	44,895	11,266	46,748	11,353
Louisiana	40,261	9,068	44,156	9,820
Maine	13,540	10,755	14,912	11,420
Maryland	48,343	9,290	54,701	9,930
Massachusetts	51,829	8,264	53,709	8,348
Michigan	93,723	9,517	100,756	9,996
Minnesota	49,628	10,311	55,296	10,929
Mississippi	34,210	12,196	37,467	13,004
Missouri <sup>1</sup>	64,534	11,687	68,163	11,949
Montana	9,589	10,750	10,874	11,850
Nebraska	17,558	10,353	19,016	10,933
Nevada	16,486	8,897	19,301	8,612
New Hampshire	11,573	9,596	13,180	10,235
New Jersey	64,510	7,784	69,778	8,078
New Mexico	22,192	12,377	22,844	12,186
New York	123,376	6,578	135,047	7,037
North Carolina	85,283	10,921	93,759	11,152
North Dakota	7,333	11,316	7,468	11,782
Ohio	104,926	9,276	108,938	9,526
Oklahoma	42,033	12,344	45,725	13,021
Oregon	33,340	9,946	35,098	9,860
Pennsylvania	99,908	8,158	106,347	8,600
Rhode Island	7,983	7,743	8,365	7,773
South Carolina	42,821	10,927	48,120	11,603
South Dakota	8,097	10,854	8,527	11,156
Tennessee	62,562	11,232	69,154	11,838
Texas	206,023	10,220	223,418	10,101
Utah	21,270	9,820	24,029	10,219
Vermont	6,596	10,993	8,309	13,421
Virginia	72,679	10,532	76,868	10,407
Washington	51,927	8,999	55,015	8,973
West Virginia	18,666	10,279	20,082	11,093
Wisconsin	56,655	10,694	59,615	10,894
Wyoming	8,031	16,356	9,211	18,376
United States	2,628,148	9,527	2,890,893	9,941

<sup>1</sup>2002 data.

**SOURCES:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, annual editions, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Dec. 1, 2004; U.S. Department of Commerce, U.S. Census Bureau, Population Division, table ST-EST2002-ASRO-01 available at <http://eire.census.gov/popest/estimates.php> as of Dec. 1, 2004; *ibid*, table NST-EST2003-01 available at <http://www.census.gov/popest/states/NST-EST2003-ann-est.html> as of Dec. 1, 2004.

**Table 5-4: Highway, Demographic, and Geographic Characteristics of 30 Largest Urbanized Areas: 2003**

Federal-aid urbanized area <sup>1</sup>	State(s)	Total roadway miles	Total DVMT (thousands)	Estimated population (thousands)	Net land area (square miles)	Persons per square mile	Miles of roadway per thousand persons	Total DVMT per capita	Total estimated freeway lane miles <sup>2</sup>	Average daily traffic per freeway lane mile
New York-Newark	NY, NJ, CT	42,421	290,054	17,717	4,778	3,708	2.4	16.4	7,171	15,695
Los Angeles-Long Beach-Pomona-Ontario	CA	26,183	290,018	12,520	2,231	5,612	2.0	23.0	5,843	23,274
Chicago	IL, IN	23,849	165,787	7,702	2,730	2,821	3.1	21.5	2,667	19,502
Philadelphia	PA, NJ, DE, MD	17,738	102,950	5,287	2,276	2,323	3.4	19.5	2,319	14,608
Miami	FL	15,460	121,347	5,104	1,590	3,210	3.0	24.0	1,925	19,056
Dallas-Fort Worth-Arlington	TX	17,759	109,173	4,312	1,727	2,497	4.0	25.0	3,105	16,705
Washington	VA, MD, DC	11,385	92,896	4,277	1,305	3,277	2.7	21.7	2,044	18,500
San Francisco-Oakland	CA	9,589	91,661	4,120	1,203	3,425	2.0	22.0	2,418	20,259
Boston	MA, NH, RI	16,071	89,268	3,988	2,104	1,895	4.0	22.4	2,375	15,707
Detroit	MI	14,570	100,791	3,939	1,439	2,737	4.0	26.0	1,914	17,486
Seattle	WA	10,384	66,885	2,946	1,185	2,486	4.0	23.0	1,745	17,577
Atlanta	GA	13,641	100,457	2,924	1,757	1,664	5.0	34.0	2,234	19,512
Phoenix-Mesa	AZ	11,767	68,335	2,907	1,115	2,607	4.0	24.0	1,326	17,803
San Diego	CA	6,577	67,998	2,872	733	3,918	2.0	24.0	1,857	20,027
Houston	TX	15,538	99,083	2,620	1,476	1,775	6.0	38.0	2,458	19,066
Minneapolis-St. Paul	MN	11,013	62,848	2,482	1,192	2,082	4.0	25.0	1,590	17,347
San Juan	PR	7,063	31,161	2,279	1,075	2,120	3.0	14.0	746	15,381
Baltimore	MD	7,060	51,761	2,076	683	3,040	3.0	25.0	1,529	17,034
St. Louis	MO, IL	9,728	62,450	2,067	1,124	1,839	4.7	30.2	1,786	14,636
Tampa-St. Petersburg	FL	9,851	58,242	2,057	1,294	1,590	4.8	28.3	673	14,640
Denver-Aurora	CO	7,821	47,558	2,050	814	2,518	3.8	23.2	1,142	15,725
Pittsburgh	PA	8,885	39,075	1,793	1,215	1,476	5.0	21.8	1,253	9,743
Cleveland	OH	7,072	37,927	1,792	897	1,998	3.9	21.2	1,376	12,638
Portland	OR, WA	5,918	32,475	1,685	469	3,593	3.5	19.3	714	18,125
Riverside-San Bernardino	CA	4,762	36,321	1,666	514	3,241	2.9	21.8	906	21,747
San Jose	CA	4,116	39,307	1,664	365	4,559	2.5	23.6	894	18,532
Sacramento	CA	4,488	32,436	1,656	383	4,324	2.7	19.6	705	19,435
Cincinnati	OH, KY, IN	6,464	39,228	1,606	887	1,811	4.0	24.4	1,167	15,111
Virginia Beach	VA	5,796	35,223	1,536	1,812	848	3.8	22.9	939	13,712
Kansas City	MO, KS	7,896	42,547	1,434	1,036	1,384	5.5	29.7	1,771	11,399

<sup>1</sup> A "federal-aid urbanized area" is an area with 50,000 or more persons that, at a minimum, encompasses the land area delineated as the urbanized area by the U.S. Census Bureau. Areas are ranked by population.

<sup>2</sup> Lane miles estimated by the Federal Highway Administration (FHWA).

**KEY:** DVMT = daily vehicle-miles of travel.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/index.htm> as of Dec. 1, 2004.

**Table 5-5: Highway Congestion in the 50 Largest Urban Areas: 2002  
(Ranked by hours of delay per person)**

Urban area	Rank	Population (thousands)	Hours of delay (thousands)	Hours of delay per person	Cost of congestion (\$ millions)	Cost of congestion per person (\$)
Los Angeles-Long Beach-Santa Ana CA	1	12,775	625,063	49	11,231	879
San Francisco-Oakland CA	2	4,120	153,196	37	2,779	675
Dallas-Fort Worth-Arlington TX	3	4,150	147,482	36	2,603	627
Washington DC-VA-MD	4	3,790	126,626	33	2,274	600
Houston TX	5	3,720	123,547	33	2,178	586
Atlanta GA	6	2,995	97,219	32	1,716	573
Riverside-San Bernardino CA	7	1,610	49,800	31	904	561
Chicago IL-IN	8	8,115	237,849	29	4,221	520
Miami FL	9	5,000	144,823	29	2,558	512
San Jose CA	10	1,680	48,015	29	871	518
Detroit MI	11	4,035	109,056	27	1,939	481
Boston MA-NH-RI	12	3,030	81,105	27	1,440	475
Denver-Aurora CO	13	2,030	54,123	27	954	470
Orlando FL	14	1,260	34,579	27	613	486
San Diego CA	15	2,825	72,126	26	1,314	465
Baltimore MD	16	2,295	59,761	26	1,069	466
Austin TX	17	840	21,831	26	387	461
Phoenix AZ	18	2,950	72,148	24	1,289	437
Seattle WA	19	2,700	65,276	24	1,175	435
Charlotte NC-SC	20	720	17,094	24	303	420
New York-Newark NY-NJ-CT	21	17,305	394,709	23	7,080	409
Tampa-St. Petersburg FL	22	2,025	45,776	23	808	399
Philadelphia PA-NJ-DE-MD	23	4,815	105,527	22	1,871	389
Minneapolis-St. Paul MN	24	2,440	54,607	22	971	398
Nashville-Davidson TN	25	700	15,374	22	273	390
Cincinnati OH-KY-IN	26	1,325	27,917	21	500	378
St. Louis MO-IL	27	2,065	40,481	20	719	348
Portland OR-WA	28	1,605	32,705	20	589	367
Indianapolis IN	29	1,035	20,852	20	369	357
Louisville KY-IN	30	845	16,967	20	302	357
Sacramento CA	31	1,505	28,772	19	526	349
San Antonio TX	32	1,260	24,456	19	434	344
Providence RI-MA	33	1,235	21,505	17	384	311
Salt Lake City UT	34	910	15,490	17	277	304
Jacksonville FL	35	905	15,004	17	269	296
Bridgeport-Stamford CT-NY	36	850	14,150	17	256	301
Oxnard-Ventura CA	37	565	9,419	17	172	305
Memphis TN-MS-AR	38	980	16,092	16	285	290
Virginia Beach VA	39	1,530	23,261	15	412	270
Las Vegas NV	40	1,370	20,089	15	364	266
Columbus OH	41	1,055	16,241	15	291	276
Tucson AZ	42	710	10,754	15	191	269
Albuquerque NM	43	575	8,677	15	154	267
Raleigh-Durham NC	44	780	10,717	14	191	244
Birmingham AL	45	675	9,425	14	168	248
Milwaukee WI	46	1,445	17,747	12	318	220
Omaha NE-IA	47	635	7,758	12	138	217
Colorado Springs CO	48	475	5,776	12	102	215
Charleston-North Charleston SC	49	465	5,427	12	95	205
New Haven CT	50	545	6,255	11	113	207

**SOURCE:** Texas Transportation Institute, *The 2003 Urban Mobility Study*, College Station, TX: 2004, available at <http://mobility.tamu.edu/ums/> as of Nov. 19, 2004.

## Vehicles

**Table 5-6: Recreational Boat Registrations by Propulsion Type: 2003**

State	Powered	Nonpowered	Other	Total
Alabama	258,366	3,540	343	262,249
Alaska	42,096	8,960	360	51,416
Arizona	140,579	0	6,634	147,213
Arkansas	178,277	472	17,466	196,215
California	886,959	51,407	25,013	963,379
Colorado	95,942	3,937	696	100,575
Connecticut	107,089	565	253	107,907
Delaware	49,420	0	515	49,935
District of Columbia	1,683	425	44	2,152
Florida	900,159	15,392	24,417	939,968
Georgia	310,393	4,414	11,911	326,718
Hawaii	14,590	690	320	15,600
Idaho	79,770	800	2,106	82,676
Illinois	323,742	24,090	12,420	360,252
Indiana	191,466	1,308	23,371	216,145
Iowa	174,868	28,659	7,309	210,836
Kansas	95,972	4,195	296	100,463
Kentucky	161,064	0	12,354	173,418
Louisiana	307,051	0	0	307,051
Maine	90,133	0	471	90,604
Maryland	189,336	483	8,576	198,395
Massachusetts	149,773	0	6,348	156,121
Michigan	901,065	52,489	0	953,554
Minnesota	634,356	198,346	12,677	845,379
Mississippi	201,457	0	0	201,457
Missouri	279,843	2,950	43,360	326,153
Montana	52,873	511	0	53,384
Nebraska	71,784	421	3,558	75,763
Nevada	57,485	398	697	58,580
New Hampshire	87,686	4,183	8,966	100,835
New Jersey	199,338	7,804	446	207,588
New Mexico	38,568	1,291	435	40,294
New York	518,491	0	9,603	528,094
North Carolina	350,618	1,788	7,451	359,857
North Dakota	48,340	580	329	49,249
Ohio	332,391	73,478	7,179	413,048
Oklahoma	229,778	0	0	229,778
Oregon	194,370	0	3,221	197,591
Pennsylvania	315,957	28,220	11,058	355,235
Rhode Island	43,007	0	0	43,007
South Carolina	358,870	19,188	2,256	380,314
South Dakota	48,929	0	4,540	53,469
Tennessee	259,906	1,730	0	261,636
Texas	609,598	2,398	7,092	619,088
Utah	74,864	1,314	0	76,178
Vermont	33,260	0	0	33,260
Virginia	236,663	234	5,096	241,993
Washington	265,773	0	0	265,773
West Virginia	51,629	0	7,088	58,717
Wisconsin	610,472	0	328	610,800
Wyoming	25,093	189	443	25,725
United States, total	11,946,576	546,991	301,049	12,794,616

**NOTES:** Data are derived from reports of states and other jurisdictions with varying registration categories. "Other" includes boats not elsewhere classified by the reporting jurisdiction. U.S. totals include Guam, Puerto Rico, the Virgin Islands, American Samoa, and the Northern Mariana Islands. U.S. total does not include sailboards, which are numbered in some states.

**SOURCE:** U.S. Department of Transportation, U.S. Coast Guard, *Boating Statistics, 2003*, Washington, DC: 2004, available at [http://www.uscgboating.org/Saf/pdf/Boating\\_Statistics\\_2003.pdf](http://www.uscgboating.org/Saf/pdf/Boating_Statistics_2003.pdf) as of Dec. 1, 2004.



**Table 5-7: General Aviation and Air Taxi Aircraft and Hours Flown:  
(Excludes commuter aircraft)**

State	Active aircraft	Hours flown (thousands)
Alabama	3,423	466
Alaska	5,718	656
Arizona	5,506	665
Arkansas	2,807	457
California	24,448	3,243
Colorado	5,625	754
Connecticut	1,597	211
Delaware	1,957	265
District of Columbia	11	1
Florida	13,188	1,880
Georgia	6,098	804
Hawaii	356	138
Idaho	2,548	314
Illinois	5,976	637
Indiana	3,574	369
Iowa	2,742	309
Kansas	3,122	413
Kentucky	2,109	250
Louisiana	2,488	510
Maine	913	116
Maryland	2,367	291
Massachusetts	2,843	341
Michigan	7,375	756
Minnesota	5,229	585
Mississippi	1,811	408
Missouri	3,893	444
Montana	2,324	259
Nebraska	1,729	199
Nevada	2,427	298
New Hampshire	1,455	230
New Jersey	3,647	405
New Mexico	2,272	317
New York	6,180	816
North Carolina	5,727	826
North Dakota	1,224	258
Ohio	6,719	780
Oklahoma	3,693	478
Oregon	5,219	753
Pennsylvania	5,806	681
Rhode Island	294	40
South Carolina	2,422	298
South Dakota	1,331	176
Tennessee	3,912	482
Texas	16,915	2,055
Utah	1,805	279
Vermont	698	73
Virginia	4,524	499
Washington	6,043	729
West Virginia	1,196	102
Wisconsin	4,639	583
Wyoming	906	93
United States, total	211,244	27,040

**NOTE:** These data are derived from a sample survey of general aviation and air taxi aircraft and are estimates subject to sampling and nonsampling error. U.S. Totals include Puerto Rico and other U.S. territories.

**SOURCE:** U.S. Department of Transportation, Federal Aviation Administration, *General Aviation and Air Taxi Activity Survey: 2002*, Washington, DC: 2004, available at <http://api.hq.faa.gov/gasurvey2002/table2-3.xls> as of June 4, 2004.

Vehicles

**Table 5-8: Active Aviation Pilots and Flight Instructors: 2003<sup>1</sup>**

State	Total	Students	Airplane pilots <sup>2</sup>				Misc. <sup>3</sup>	Flight instructor <sup>4</sup>
			Private	Commercial	Airline transport			
Alabama	7,386	1,059	3,196	1,952	1,175	4	1,053	
Alaska	8,711	917	3,622	2,189	1,982	1	1,222	
Arizona	18,398	2,183	6,938	4,251	5,024	2	3,113	
Arkansas	5,137	826	2,146	1,307	857	1	668	
California	69,347	9,830	32,292	14,808	12,411	6	9,172	
Colorado	18,318	2,296	6,955	3,896	5,166	5	2,896	
Connecticut	6,264	812	2,756	1,115	1,577	4	876	
Delaware	1,557	261	576	303	416	1	229	
District of Columbia	474	84	236	89	65	0	45	
Florida	49,256	6,653	16,723	11,263	14,602	15	7,958	
Georgia	19,543	2,612	6,681	3,469	6,777	4	2,515	
Hawaii	3,253	506	813	827	1,107	0	516	
Idaho	4,731	629	2,198	1,113	789	2	600	
Illinois	20,732	2,893	8,890	4,217	4,720	12	3,294	
Indiana	11,477	1,641	5,553	2,235	2,037	11	1,648	
Iowa	6,179	935	3,251	1,311	680	2	813	
Kansas	8,144	1,097	3,934	1,790	1,322	1	1,284	
Kentucky	7,016	960	2,351	1,304	2,399	2	1,111	
Louisiana	5,729	786	2,189	1,623	1,129	2	720	
Maine	3,149	414	1,499	673	560	3	390	
Maryland	8,698	1,486	3,556	1,777	1,877	2	1,271	
Massachusetts	9,335	1,472	4,513	1,812	1,531	7	1,233	
Michigan	17,458	2,702	8,416	3,446	2,874	20	2,456	
Minnesota	15,257	1,949	6,727	3,174	3,397	10	2,219	
Mississippi	4,185	570	1,680	1,122	811	2	536	
Missouri	10,788	1,354	4,876	2,255	2,295	8	1,589	
Montana	3,808	534	1,788	991	493	2	494	
Nebraska	3,918	561	1,942	914	500	1	451	
Nevada	6,797	774	2,422	1,381	2,220	0	992	
New Hampshire	4,373	501	1,571	836	1,461	4	678	
New Jersey	11,018	1,698	4,827	2,094	2,393	6	1,577	
New Mexico	5,244	686	2,332	1,432	791	3	600	
New York	18,253	3,322	8,315	3,762	2,824	30	2,600	
North Carolina	14,604	1,897	6,081	2,854	3,766	6	1,882	
North Dakota	2,441	400	1,087	762	192	0	364	
Ohio	19,369	2,741	8,747	3,794	4,029	58	2,996	
Oklahoma	8,364	1,213	3,746	2,014	1,390	1	1,214	
Oregon	10,003	1,396	5,121	2,270	1,211	5	1,266	
Pennsylvania	18,411	2,687	7,876	3,628	4,201	19	2,695	
Rhode Island	1,240	214	555	242	229	0	159	
South Carolina	6,475	882	2,784	1,413	1,396	0	794	
South Dakota	2,320	309	1,090	618	301	2	299	
Tennessee	12,343	1,548	4,493	2,343	3,957	2	1,749	
Texas	48,777	6,405	17,383	9,758	15,223	8	6,883	
Utah	7,413	1,248	2,989	1,608	1,567	1	1,034	
Vermont	1,469	210	689	299	269	2	170	
Virginia	15,102	2,112	5,357	3,206	4,415	12	2,213	
Washington	20,763	2,647	8,264	4,294	5,555	3	2,918	
West Virginia	1,895	274	899	414	307	1	271	
Wisconsin	11,126	1,536	5,537	2,047	1,990	16	1,578	
Wyoming	1,850	229	933	394	294	0	235	
United States, total	597,898	82,951	249,395	126,689	138,554	309	85,539	

<sup>1</sup>An active pilot is a person who holds a pilot certificate and a valid medical certificate issued within the last 25 months.

<sup>2</sup>Includes pilots with an airplane only certificate and those with an airplane and a helicopter and/or glider certificate.

<sup>3</sup>Includes helicopter, glider, and recreational pilots. Does not include pilots holding an airplane certificate. A recreational pilot may fly no more than one passenger in a light, single engine aircraft with no more than four seats during good weather and daylight hours and, unless authorized, no more than 50 miles from the home airport.

<sup>4</sup>Not included in total. A flight instructor must hold a flight instructor certificate in addition to a pilot certificate.

**NOTE:** Excludes U.S. military personnel holding civilian certificates who are stationed in a foreign country and pilots in U.S. territories.

**SOURCE:** U.S. Department of Transportation, Federal Aviation Administration, 2003 *U.S. Civil Airmen Statistics*, table 5, Washington, DC: 2004, available at <http://api.hq.faa.gov/pubs.asp> as of Oct. 11, 2004.

## **Section F**



# **Economy and Finance**



**Table 6-1: Transportation and Warehousing Establishments and Employment: 2002**

<b>State</b>	<b>Establishments<sup>1</sup> (number)</b>	<b>Number of employees</b>	<b>Annual payroll (\$ thousands)</b>
Alabama	2,984	44,756	1,383,984
Alaska	1,048	17,925	871,120
Arizona	2,698	80,663	2,639,053
Arkansas	2,437	50,117	1,438,859
California	18,455	402,896	15,004,866
Colorado	2,969	52,142	2,038,443
Connecticut	1,603	35,747	1,212,046
Delaware	679	7,260	235,438
District of Columbia	207	3,247	124,250
Florida	11,131	176,901	6,096,939
Georgia	5,313	119,443	4,646,329
Hawaii	752	21,511	774,466
Idaho	1,451	12,076	313,748
Illinois	9,646	198,476	7,678,285
Indiana	4,732	86,769	2,774,655
Iowa	3,439	39,490	1,239,921
Kansas	2,461	35,465	1,094,636
Kentucky	2,980	60,754	2,093,002
Louisiana	3,570	59,477	2,128,963
Maine	1,279	10,172	286,260
Maryland	3,492	53,206	1,728,066
Massachusetts	3,511	66,782	2,320,445
Michigan	5,157	88,920	3,551,317
Minnesota	4,287	71,996	2,834,475
Mississippi	2,218	24,046	744,410
Missouri	4,913	78,994	2,321,595
Montana	1,128	9,140	244,467
Nebraska	2,230	27,238	937,852
Nevada	1,086	29,732	758,167
New Hampshire	811	14,052	420,036
New Jersey	6,961	157,232	5,888,853
New Mexico	1,151	13,048	386,627
New York	11,316	211,681	7,355,572
North Carolina	5,372	93,644	3,242,207
North Dakota	999	8,033	230,941
Ohio	7,151	136,877	4,744,862
Oklahoma	2,376	34,309	1,248,601
Oregon	2,756	45,416	1,595,416
Pennsylvania	7,239	164,682	5,438,506
Rhode Island	619	7,300	226,529
South Carolina	2,355	39,175	1,245,406
South Dakota	1,031	7,061	190,872
Tennessee	4,304	100,591	3,674,534
Texas	14,175	293,152	11,606,560
Utah	1,513	39,021	1,332,872
Vermont	528	4,789	125,041
Virginia	4,884	74,305	2,833,466
Washington	4,302	74,505	2,949,334
West Virginia	1,445	13,658	440,116
Wisconsin	5,288	77,746	2,389,320
Wyoming	711	5,395	170,127
<b>United States, total</b>	<b>195,143</b>	<b>3,581,013</b>	<b>127,251,855</b>

<sup>1</sup> The transportation and warehousing sector (North American Industrial Classification System [NAICS] 48 and 49) includes industries providing transportation of passengers and cargo, warehousing and storage for goods, scenic and sightseeing transportation, and support activities related to modes of transportation. Establishments in these industries use transportation equipment or transportation related facilities as a productive asset. The type of equipment depends on the mode of transportation. The modes of transportation included are: air transportation, water transportation, truck transportation, transit and ground passenger transportation, pipeline transportation, scenic and sightseeing transportation, support activities for transportation, postal service, couriers and messengers, and warehousing and storage. The data do not include government, railroad transportation, nor self-employed persons.

**SOURCE:** U.S. Department of Commerce, U.S. Census Bureau, 2002 *County Business Patterns*, Washington, DC: 2004, available at <http://www.census.gov/epcd/cbp/view/cbpview.html> as of Dec. 1, 2004.

**Table 6-2: Air Transportation Establishments and Employment: 2002**

State	Establishments (number)	Number of employees	Annual payroll (\$ thousands)
Alabama	43	W	W
Alaska	236	6,266	314,629
Arizona	102	16,604	718,328
Arkansas	46	W	W
California	622	66,595	3,528,919
Colorado	117	14,483	823,237
Connecticut	51	4,161	179,643
Delaware	23	W	W
District of Columbia	39	697	22,970
Florida	536	28,726	1,184,398
Georgia	113	29,636	1,784,904
Hawaii	61	7,645	341,666
Idaho	62	1,121	32,088
Illinois	212	43,255	2,528,240
Indiana	61	7,781	328,778
Iowa	47	W	W
Kansas	38	W	W
Kentucky	71	19,387	644,662
Louisiana	83	4,062	188,616
Maine	32	323	9,025
Maryland	52	5,143	215,071
Massachusetts	111	10,482	476,870
Michigan	149	15,448	924,547
Minnesota	69	W	W
Mississippi	42	W	W
Missouri	88	12,737	303,337
Montana	68	952	27,062
Nebraska	43	987	29,002
Nevada	80	6,130	177,459
New Hampshire	30	616	20,819
New Jersey	113	16,403	799,629
New Mexico	54	1,524	42,767
New York	371	34,691	1,784,602
North Carolina	118	13,941	728,622
North Dakota	20	W	W
Ohio	136	11,037	431,732
Oklahoma	57	2,103	61,736
Oregon	88	5,370	213,858
Pennsylvania	159	22,663	1,218,924
Rhode Island	15	600	18,296
South Carolina	46	1,166	61,714
South Dakota	23	253	7,781
Tennessee	97	6,467	292,953
Texas	448	63,376	3,480,881
Utah	37	8,722	390,438
Vermont	12	W	W
Virginia	120	13,269	809,986
Washington	138	13,634	738,981
West Virginia	22	W	W
Wisconsin	82	4,175	167,559
Wyoming	29	448	13,231
United States, total	5,512	548,258	27,470,866

**KEY:** W = data withheld to avoid disclosure.

**SOURCE:** U.S. Department of Commerce, U.S. Census Bureau, *2002 County Business Patterns*, Washington, DC: 2004, available at <http://www.census.gov/epcd/cbp/view/cbpview.html> as of Dec. 1, 2004.

**Table 6-3: Water Transportation Establishments and Employment: 2002**

State	Establishments (number)	Number of employees	Annual payroll (\$ thousands)
Alabama	21	W	W
Alaska	50	656	35,002
Arizona	3	W	W
Arkansas	4	W	W
California	136	6,445	313,961
Colorado	5	W	W
Connecticut	30	554	38,019
Delaware	15	W	W
District of Columbia	3	W	W
Florida	216	13,116	580,181
Georgia	31	495	19,646
Hawaii	20	461	21,477
Idaho	2	W	W
Illinois	59	1,762	81,161
Indiana	8	W	W
Iowa	4	W	W
Kansas	2	W	W
Kentucky	27	W	W
Louisiana	283	9,869	422,709
Maine	24	W	W
Maryland	50	555	31,714
Massachusetts	54	1,508	88,636
Michigan	39	W	W
Minnesota	16	W	W
Mississippi	23	759	32,089
Missouri	20	W	W
Montana	N	N	N
Nebraska	1	W	W
Nevada	3	W	W
New Hampshire	5	W	W
New Jersey	83	2,389	139,674
New Mexico	N	N	N
New York	146	4,375	242,062
North Carolina	33	272	55,572
North Dakota	1	W	W
Ohio	36	1,070	59,256
Oklahoma	2	W	W
Oregon	26	1,119	58,807
Pennsylvania	34	915	43,366
Rhode Island	12	W	W
South Carolina	22	W	W
South Dakota	N	N	N
Tennessee	24	1,506	70,822
Texas	150	3,477	175,605
Utah	2	W	W
Vermont	4	W	W
Virginia	49	1,950	123,850
Washington	108	3,774	213,410
West Virginia	6	325	10,740
Wisconsin	9	91	3,280
Wyoming	1	W	W
United States, total	1,902	64,268	3,164,702

**KEY:** N = data do not exist; W = data withheld to avoid disclosure.

**SOURCE:** U.S. Department of Commerce, U.S. Census Bureau, *2002 County Business Patterns*, Washington, DC: 2004, available at <http://www.census.gov/epcd/cbp/view/cbpview.html> as of Dec. 1, 2004.

**Table 6-4: Truck Transportation Establishments and Employment: 2002**

State	Establishments (number)	Number of employees	Annual payroll (\$ thousands)
Alabama	2,080	27,842	865,339
Alaska	232	3,316	159,142
Arizona	1,427	31,490	963,713
Arkansas	1,780	35,493	974,269
California	9,049	115,142	3,840,966
Colorado	1,799	15,450	516,318
Connecticut	655	7,151	286,703
Delaware	299	2,614	88,416
District of Columbia	22	276	7,235
Florida	4,619	45,103	1,519,490
Georgia	3,195	46,729	1,600,965
Hawaii	192	2,904	95,169
Idaho	1,017	6,865	196,261
Illinois	5,911	72,143	2,565,343
Indiana	3,373	47,657	1,608,492
Iowa	2,709	27,138	876,346
Kansas	1,680	15,968	531,558
Kentucky	2,103	20,085	633,081
Louisiana	1,762	17,579	517,352
Maine	846	5,822	178,237
Maryland	1,651	17,714	606,142
Massachusetts	1,538	16,288	644,144
Michigan	3,122	36,332	1,431,075
Minnesota	2,732	22,270	806,491
Mississippi	1,606	16,446	500,692
Missouri	3,327	38,438	1,287,886
Montana	689	4,913	153,460
Nebraska	1,767	17,472	615,618
Nevada	516	5,568	194,566
New Hampshire	450	3,412	110,646
New Jersey	3,298	44,181	1,774,116
New Mexico	640	5,976	205,847
New York	4,381	42,643	1,489,571
North Carolina	3,440	45,688	1,492,468
North Dakota	743	5,336	159,201
Ohio	4,739	65,216	2,312,575
Oklahoma	1,551	18,762	560,476
Oregon	1,651	19,173	682,065
Pennsylvania	4,198	57,991	2,046,135
Rhode Island	289	2,380	91,245
South Carolina	1,361	18,039	600,495
South Dakota	781	4,876	141,451
Tennessee	2,395	49,887	1,764,434
Texas	7,638	97,865	3,061,554
Utah	1,017	19,853	637,866
Vermont	338	2,433	74,885
Virginia	3,034	29,670	979,818
Washington	2,311	22,564	772,705
West Virginia	1,088	8,437	227,569
Wisconsin	3,761	43,271	1,510,258
Wyoming	506	3,481	107,541
United States, total	111,308	1,333,342	45,067,390

**SOURCE:** U.S. Department of Commerce, U.S. Census Bureau, *2002 County Business Patterns*, Washington, DC: 2004, available at <http://www.census.gov/epcd/cbp/view/cbpview.html> as of Dec. 1, 2004.



**Table 6-5: Transit and Ground Passenger Transportation Establishments and Employment: 2002**

State	Establishments (number)	Number of employees	Annual payroll (\$ thousands)
Alabama	105	1,833	26,517
Alaska	88	W	W
Arizona	190	6,527	155,889
Arkansas	52	877	14,951
California	1,430	37,722	858,491
Colorado	164	3,584	79,916
Connecticut	345	12,007	253,997
Delaware	170	2,255	50,219
District of Columbia	38	860	32,612
Florida	813	10,191	215,651
Georgia	265	3,209	57,635
Hawaii	90	3,501	98,424
Idaho	76	1,717	21,956
Illinois	861	21,047	386,234
Indiana	227	3,264	53,983
Iowa	104	1,716	21,773
Kansas	154	5,450	73,940
Kentucky	125	1,993	30,692
Louisiana	176	3,141	79,381
Maine	85	1,267	21,142
Maryland	714	6,909	117,023
Massachusetts	732	18,341	382,313
Michigan	288	4,690	95,993
Minnesota	485	11,278	177,000
Mississippi	84	1,413	22,459
Missouri	337	8,768	130,914
Montana	117	1,413	15,766
Nebraska	71	W	W
Nevada	103	11,231	204,993
New Hampshire	120	2,991	49,355
New Jersey	1,137	36,432	973,404
New Mexico	151	3,035	45,846
New York	2,612	59,655	1,383,237
North Carolina	304	3,206	52,192
North Dakota	55	814	9,313
Ohio	359	7,806	119,803
Oklahoma	63	W	W
Oregon	204	4,036	64,801
Pennsylvania	1,122	30,375	444,108
Rhode Island	97	2,011	39,534
South Carolina	120	1,939	29,685
South Dakota	70	864	11,527
Tennessee	329	4,788	94,591
Texas	534	13,602	290,931
Utah	55	1,152	19,821
Vermont	69	1,264	20,092
Virginia	360	5,201	109,922
Washington	210	4,632	94,318
West Virginia	43	327	5,275
Wisconsin	544	13,601	186,329
Wyoming	26	W	W
United States, total	17,073	387,325	7,780,055

**KEY:** W = data withheld to avoid disclosure.

**SOURCE:** U.S. Department of Commerce, U.S. Census Bureau, *2002 County Business Patterns*, Washington, DC: 2004, available at <http://www.census.gov/epcd/cbp/view/cbpview.html> as of Dec. 1, 2004.

**Table 6-6: Pipeline Transportation Establishments and Employment: 2002**

<b>State</b>	<b>Establishments (number)</b>	<b>Number of employees</b>	<b>Annual payroll (\$ thousands)</b>
Alabama	43	432	36,254
Alaska	13	W	W
Arizona	32	W	W
Arkansas	23	W	W
California	170	7,692	460,781
Colorado	50	848	63,451
Connecticut	13	W	W
Delaware	1	W	W
District of Columbia	6	W	W
Florida	39	517	25,589
Georgia	49	769	57,485
Hawaii	N	N	N
Idaho	7	W	W
Illinois	93	1,397	101,327
Indiana	56	W	W
Iowa	58	387	25,648
Kansas	119	1,270	87,406
Kentucky	54	W	W
Louisiana	193	1,916	126,422
Maine	7	84	5,702
Maryland	19	W	W
Massachusetts	21	W	W
Michigan	71	W	W
Minnesota	55	524	32,064
Mississippi	63	553	37,849
Missouri	46	343	20,820
Montana	13	112	5,449
Nebraska	29	357	35,442
Nevada	8	W	W
New Hampshire	6	9	1,297
New Jersey	28	304	22,829
New Mexico	59	632	44,840
New York	54	408	25,931
North Carolina	24	W	W
North Dakota	27	W	W
Ohio	79	1,693	118,793
Oklahoma	136	4,412	372,408
Oregon	15	W	W
Pennsylvania	109	2,333	156,411
Rhode Island	4	W	W
South Carolina	12	W	W
South Dakota	16	94	5,418
Tennessee	41	W	W
Texas	517	11,913	1,220,164
Utah	28	W	W
Vermont	1	W	W
Virginia	45	W	W
Washington	25	W	W
West Virginia	62	W	W
Wisconsin	28	193	9,604
Wyoming	34	443	26,791
<b>United States, total</b>	<b>2,701</b>	<b>50,362</b>	<b>3,915,471</b>

**KEY:** N = data do not exist; W = data withheld to avoid disclosure.

**SOURCE:** U.S. Department of Commerce, U.S. Census Bureau, *2002 County Business Patterns*, Washington, DC: 2004, available at <http://www.census.gov/epcd/cbp/view/cbpview.html> as of Dec. 1 2004.

**Table 6-7: Freight Railroad Employment and Wages: 2002**

State	Employment	Wages (\$ millions)	Retirement beneficiaries	Retirement payments (\$ millions)
Alabama	3,415	190	9,744	123
Alaska	427	22	199	3
Arizona	2,479	151	10,741	136
Arkansas	3,716	223	9,305	118
California	9,190	561	34,116	431
Colorado	2,764	170	7,779	98
Connecticut	107	5	3,133	40
Delaware	190	10	1,827	23
District of Columbia	5	0	692	9
Florida	6,324	349	33,002	417
Georgia	6,491	359	15,506	196
Hawaii	0	0	272	3
Idaho	1,318	79	4,705	59
Illinois	12,758	766	38,624	488
Indiana	5,537	306	16,825	213
Iowa	3,698	223	9,640	122
Kansas	5,737	353	14,423	182
Kentucky	4,530	253	15,105	191
Louisiana	3,125	182	8,342	105
Maine	647	33	3,322	42
Maryland	1,675	93	10,745	136
Massachusetts	728	38	5,283	67
Michigan	4,124	239	15,610	197
Minnesota	4,483	261	17,611	223
Mississippi	1,697	103	6,171	78
Missouri	7,037	427	20,382	258
Montana	2,475	146	6,284	79
Nebraska	9,968	616	11,025	139
Nevada	683	42	3,623	46
New Hampshire	201	10	1,017	13
New Jersey	1,228	57	10,759	136
New Mexico	1,579	98	5,029	64
New York	3,137	172	25,559	323
North Carolina	2,294	126	10,591	134
North Dakota	1,588	96	3,298	42
Ohio	7,970	439	31,284	396
Oklahoma	1,604	95	5,574	70
Oregon	2,270	135	9,081	115
Pennsylvania	7,565	409	44,044	557
Rhode Island	69	4	656	8
South Carolina	1,646	90	6,523	82
South Dakota	734	43	1,349	17
Tennessee	4,103	233	12,145	154
Texas	15,056	917	34,476	436
Utah	1,737	105	5,874	74
Vermont	195	8	1,072	14
Virginia	5,689	316	19,637	248
Washington	3,812	233	11,704	148
West Virginia	2,862	159	10,476	132
Wisconsin	3,669	228	10,802	137
Wyoming	2,724	168	3,077	39
United States, total	177,060	10,344	598,063	7,562

**NOTE:** Wages do not include fringe benefits.

**SOURCE:** Association of American Railroads, *Railroads and States-2002*, Washington, DC: 2004, available at [http://www.aar.org/PubCommon/Documents/AboutTheIndustry/RRState\\_Rankings.pdf](http://www.aar.org/PubCommon/Documents/AboutTheIndustry/RRState_Rankings.pdf), as of June 10, 2004.

**Table 6-8: Transportation Expenditures by State Governments: 2001**  
(Millions of current dollars)

State	Total	Highway	Transit	Air	Water
Alabama	1,036	976	Z	2	58
Alaska	766	646	Z	119	Z
Arizona	1,058	1,056	Z	2	Z
Arkansas	776	776	Z	0	Z
California	5,147	4,939	205	3	Z
Colorado	1,071	1,070	Z	1	Z
Connecticut	1,020	723	266	26	5
Delaware	401	333	68	Z	Z
District of Columbia	Z	Z	Z	Z	Z
Florida	4,398	4,340	49	Z	9
Georgia	1,849	1,717	1	4	128
Hawaii	439	233	Z	154	53
Idaho	386	384	Z	2	Z
Illinois	2,589	2,553	23	13	Z
Indiana	1,420	1,396	15	Z	9
Iowa	959	931	28	Z	Z
Kansas	1,067	1,067	Z	Z	Z
Kentucky	1,598	1,586	Z	12	Z
Louisiana	949	827	Z	1	121
Maine	428	422	Z	2	3
Maryland	1,795	1,049	419	186	142
Massachusetts	2,890	2,416	Z	420	54
Michigan	1,512	1,490	14	8	0
Minnesota	963	960	Z	3	Z
Mississippi	676	669	Z	Z	7
Missouri	1,301	1,301	Z	1	Z
Montana	412	411	Z	1	Z
Nebraska	480	477	Z	3	Z
Nevada	563	563	Z	Z	Z
New Hampshire	337	333	3	1	1
New Jersey	3,824	1,942	1,858	5	20
New Mexico	839	837	Z	2	Z
New York	7,586	3,377	4,098	104	7
North Carolina	2,493	2,451	Z	5	37
North Dakota	259	258	Z	1	Z
Ohio	2,158	2,154	Z	4	Z
Oklahoma	1,029	1,028	Z	1	0
Oregon	591	583	4	4	Z
Pennsylvania	3,200	3,187	Z	8	5
Rhode Island	467	249	147	65	5
South Carolina	1,277	1,152	Z	7	118
South Dakota	433	429	Z	4	Z
Tennessee	1,170	1,170	Z	Z	Z
Texas	4,794	4,794	Z	Z	Z
Utah	781	745	Z	35	Z
Vermont	209	202	4	3	Z
Virginia	2,632	2,386	26	53	168
Washington	1,144	1,127	16	1	Z
West Virginia	1,195	1,187	4	2	1
Wisconsin	1,262	1,208	Z	54	0
Wyoming	334	326	7	1	Z
<b>Total</b>	<b>75,962</b>	<b>66,436</b>	<b>7,254</b>	<b>1,321</b>	<b>951</b>

**KEY:** Z = zero or less than 1 unit of measure.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *Government Transportation Financial Statistics 2003*, Washington, DC: forthcoming.

**Table 6-9: Transportation Revenues Collected by State Governments: 2001**  
(Millions of current dollars)

State	Total	Highway	Transit	Air	Water
Alabama	783	715	Z	Z	68
Alaska	188	116	Z	73	Z
Arizona	772	771	Z	1	Z
Arkansas	564	564	Z	Z	Z
California	5,414	5,414	Z	Z	Z
Colorado	762	762	Z	Z	Z
Connecticut	705	658	23	24	0
Delaware	231	222	9	Z	Z
District of Columbia	Z	Z	Z	Z	Z
Florida	3,477	3,471	7	Z	Z
Georgia	1,068	970	Z	1	98
Hawaii	516	160	Z	283	73
Idaho	353	353	Z	0	Z
Illinois	3,089	3,089	Z	Z	Z
Indiana	974	968	Z	0	6
Iowa	710	710	Z	Z	Z
Kansas	580	580	Z	Z	Z
Kentucky	667	667	Z	0	Z
Louisiana	735	686	Z	Z	49
Maine	335	335	Z	0	Z
Maryland	1,386	1,085	95	130	77
Massachusetts	1,717	1,404	Z	274	40
Michigan	1,977	1,976	Z	1	Z
Minnesota	1,138	1,138	Z	1	Z
Mississippi	580	561	Z	Z	19
Missouri	972	972	Z	Z	Z
Montana	260	260	Z	0	Z
Nebraska	381	380	Z	1	Z
Nevada	414	414	Z	Z	Z
New Hampshire	262	261	Z	0	0
New Jersey	2,180	1,661	497	5	18
New Mexico	322	322	Z	Z	Z
New York	2,597	1,607	951	32	6
North Carolina	1,678	1,650	Z	Z	28
North Dakota	163	163	Z	Z	Z
Ohio	2,128	2,128	Z	Z	Z
Oklahoma	1,130	1,130	Z	Z	Z
Oregon	693	693	Z	Z	Z
Pennsylvania	2,891	2,890	Z	1	Z
Rhode Island	251	192	12	47	0
South Carolina	614	508	Z	0	106
South Dakota	172	172	Z	Z	Z
Tennessee	1,042	1,042	Z	Z	Z
Texas	4,005	4,005	Z	Z	Z
Utah	480	447	Z	33	Z
Vermont	107	107	Z	0	Z
Virginia	1,387	1,252	Z	Z	136
Washington	1,183	1,183	Z	0	Z
West Virginia	378	377	0	1	Z
Wisconsin	1,269	1,269	Z	Z	Z
Wyoming	122	122	Z	0	Z
<b>Total</b>	<b>55,804</b>	<b>52,580</b>	<b>1,595</b>	<b>908</b>	<b>722</b>

**KEY:** Z = zero or less than 1 unit of measure.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *Government Transportation Financial Statistics 2003*, Washington, DC: forthcoming.

**Table 6-10: Federal and State Funding of Public Transit  
(Value of contributions to public transit in thousands of dollars)**

State	1995		2000		2003	
	Federal	State	Federal	State	Federal	State
Alabama	16,903	0	49,115	0	55,709	0
Alaska	4,841	0	40,379	0	35,037	0
Arizona	41,261	445	14,710	329	21,235	13,768
Arkansas	8,489	332	48,283	0	83,400	2,800
California	649,602	340,162	803,946	1,344,779	1,037,265	1,294,100
Colorado	29,281	0	88,173	0	134,971	0
Connecticut	72,347	113,241	97,121	163,266	122,623	190,300
Delaware	11,594	NR	11,082	35,685	13,453	74,600
District of Columbia	170,047	123,051	81,883	NR	131,260	198,038
Florida	149,531	89,511	200,817	92,724	268,673	93,500
Georgia	83,001	1,893	142,250	306,393	133,443	5,233
Hawaii	22,001	0	35,239	0	50,470	0
Idaho	4,026	0	5,083	136	10,838	312
Illinois	294,583	264,993	360,528	467,622	486,078	754,000
Indiana	37,209	NR	62,918	29,201	64,977	34,800
Iowa	21,847	7,465	26,917	10,411	34,024	9,500
Kansas	10,963	1,000	20,871	6,000	24,440	6,000
Kentucky	19,135	612	31,125	NR	49,396	1,400
Louisiana	48,047	NR	42,132	NR	73,200	4,963
Maine	7,318	392	5,557	420	8,989	2,250
Maryland	198,965	349,848	123,984	273,844	204,507	763,500
Massachusetts	166,755	531,896	246,496	771,356	221,430	1,165,492
Michigan	85,840	124,401	100,549	187,198	108,027	207,800
Minnesota	39,476	47,989	106,819	80,289	143,170	229,200
Mississippi	8,142	0	14,674	115	15,681	0
Missouri	53,018	1,495	107,250	17,029	78,173	6,600
Montana	3,221	75	4,655	75	6,838	390
Nebraska	8,824	1,530	11,223	1,539	14,057	1,600
Nevada	18,357	438	28,973	NR	46,688	325
New Hampshire	4,268	12	9,588	0	11,021	200
New Jersey	331,863	459	383,154	509,237	474,826	812,900
New Mexico	12,427	NR	29,447	0	14,893	0
New York	787,777	1,357	844,552	1,926,571	983,801	1,763,200
North Carolina	43,670	22,138	55,260	38,247	85,073	91,650
North Dakota	2,908	761	4,615	1,666	7,679	1,620
Ohio	118,314	29,233	132,460	42,348	145,217	20,700
Oklahoma	12,593	951	20,283	3,530	37,458	2,750
Oregon	127,700	44,689	52,339	15,553	125,934	30,910
Pennsylvania	262,502	628,400	297,215	731,800	348,231	823,800
Rhode Island	16,335	19,121	15,620	36,822	22,410	37,442
South Carolina	13,172	4,140	29,053	4,234	34,344	6,000
South Dakota	3,776	300	4,747	397	5,484	923
Tennessee	37,005	12,458	38,010	22,291	76,940	30,400
Texas	195,306	17,200	296,983	27,945	330,035	25,700
Utah	25,773	140	80,951	0	120,078	0
Vermont	3,325	861	7,900	NR	9,694	5,300
Virginia	45,222	78,248	104,761	163,959	121,166	131,500
Washington	76,207	6,435	149,745	84,456	193,724	39,900
West Virginia	9,377	1,538	29,774	1,395	19,690	2,200
Wisconsin	54,764	77,321	65,748	100,448	71,248	108,900
Wyoming	1,835	977	2,308	NR	5,448	1,500
United States, total	4,470,747	2,947,506	5,567,261	7,499,314	6,922,443	8,997,966

**KEY:** NR = not reported.

**SOURCE:** U.S. Department of Transportation, Bureau of Transportation Statistics, *Survey of State Funding for Public Transportation for Calendar Year 2003*, Washington, DC: 2004, table 1.2.

**Table 6-11: Average Motor Gasoline Prices, All Grades**

State	2002	2003 <sup>P</sup>
	Price (Cents per gallon excluding taxes)	Price (Cents per gallon excluding taxes)
Alabama	90.8	106.7
Alaska	128.1	148.6
Arizona	96.4	130.2
Arkansas	89.8	106.3
California	102.1	133.0
Colorado	100.4	116.5
Connecticut	91.8	117.1
Delaware	92.0	110.1
District of Columbia	95.1	113.4
Florida	92.9	110.5
Georgia	90.0	107.5
Hawaii	111.6	142.7
Idaho	95.1	118.6
Illinois	99.5	116.3
Indiana	94.1	111.2
Iowa	92.0	109.4
Kansas	92.4	109.2
Kentucky	94.5	111.0
Louisiana	89.3	104.9
Maine	98.9	116.6
Maryland	92.9	110.1
Massachusetts	98.6	119.3
Michigan	94.3	113.0
Minnesota	100.8	116.2
Mississippi	93.6	110.5
Missouri	92.7	109.5
Montana	95.0	115.2
Nebraska	92.4	109.3
Nevada	101.9	130.2
New Hampshire	98.0	119.4
New Jersey	97.7	119.9
New Mexico	97.0	114.9
New York	94.7	115.8
North Carolina	89.4	106.6
North Dakota	101.0	116.4
Ohio	94.6	111.4
Oklahoma	88.4	104.9
Oregon	98.9	124.4
Pennsylvania	88.5	109.0
Rhode Island	95.6	114.8
South Carolina	91.6	108.0
South Dakota	97.6	115.2
Tennessee	89.5	106.4
Texas	89.0	104.7
Utah	94.0	116.8
Vermont	99.8	119.8
Virginia	93.1	110.0
Washington	96.2	121.4
West Virginia	93.9	113.1
Wisconsin	95.9	114.6
Wyoming	101.2	117.1
United States	94.3	113.4

**KEY:** P = preliminary.

**NOTE:** Data includes sales to end users through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets (e.g., sales to agricultural customers, commercial sales, and industrial sales).

**SOURCE:** Department of Energy, Energy Information Administration, *Petroleum Marketing Annual*, Washington, DC: Annual issues, table 31, available at [http://www.eia.doe.gov/oil\\_gas/petroleum/data\\_publications/petroleum\\_marketing\\_annual/pma.html](http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma.html) as of November 2004.

**Table 6-12: State Motor-Fuel Tax Rates: 2003  
(Cents per gallon)**

State	Gasoline	Diesel	Liquefied petroleum	
			gas	Gasohol <sup>1</sup>
Alabama	18.00	19.00	17.00	18.00
Alaska	8.00	8.00	0.00	8.00
Arizona	18.00	26.00	18.00	18.00
Arkansas	21.70	22.70	16.50	21.70
California	18.00	18.00	6.00	18.00
Colorado	22.00	20.50	20.50	22.00
Connecticut	25.00	26.00	0.00	24.00
Delaware	23.00	22.00	22.00	23.00
District of Columbia	20.00	20.00	20.00	20.00
Florida	13.90	26.40	26.40	13.90
Georgia	7.50	7.50	7.50	7.50
Hawaii	16.00	16.00	5.30	16.00
Idaho	25.00	25.00	18.10	22.50
Illinois	19.00	21.50	19.00	19.00
Indiana	18.00	16.00	0.00	15.00
Iowa	20.30	22.50	20.00	19.00
Kansas	24.00	26.00	22.00	24.00
Kentucky	16.40	13.40	16.40	16.40
Louisiana	20.00	20.00	16.00	20.00
Maine	22.00	23.00	21.00	22.00
Maryland	23.50	24.25	23.50	23.50
Massachusetts	21.00	21.00	15.00	21.00
Michigan	19.00	15.00	15.00	19.00
Minnesota	20.00	20.00	15.00	20.00
Mississippi	18.40	18.40	17.00	18.40
Missouri	17.00	17.00	17.00	17.00
Montana	27.00	27.75	0.00	27.00
Nebraska	24.60	24.60	24.60	24.60
Nevada	25.70	27.70	22.00	24.70
New Hampshire	19.50	19.50	18.00	19.50
New Jersey	10.50	13.50	5.25	10.50
New Mexico	18.50	19.50	6.00	18.50
New York	22.65	20.85	8.05	22.65
North Carolina	24.20	24.20	22.10	24.20
North Dakota	21.00	21.00	21.00	21.00
Ohio	24.00	24.00	24.00	24.00
Oklahoma	17.00	14.00	17.00	17.00
Oregon	24.00	24.00	18.50	24.00
Pennsylvania	25.90	30.80	19.20	25.90
Rhode Island	30.00	30.00	30.00	30.00
South Carolina	16.00	16.00	16.00	16.00
South Dakota	22.00	22.00	20.00	20.00
Tennessee	21.40	18.40	14.00	20.00
Texas	20.00	20.00	15.00	20.00
Utah	24.50	24.50	24.50	24.50
Vermont	20.00	26.00	0.00	20.00
Virginia	17.50	16.00	16.00	17.50
Washington	28.00	28.00	0.00	28.00
West Virginia	25.35	25.35	25.35	25.35
Wisconsin	28.50	28.50	28.50	28.50
Wyoming	14.00	14.00	0.00	14.00
Federal tax	18.40	24.40	13.60	13.20

<sup>1</sup>Tax rates for gasoline blended with 10 percent ethanol.

**NOTE:** Tax rates in effect as of October 1, 2003.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, table MF-121T, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.htm> as of Dec. 1, 2004.



## **Section G**



## **Energy and Environment**



**Table 7-1: Transportation Energy Consumption by Energy Source: 2001  
(Trillion Btu)**

State	Petroleum							Ethanol <sup>4</sup>	Electricity	Net energy	Electrical system energy losses <sup>5</sup>	Total
	Natural gas <sup>1</sup>	Distillate fuel (diesel)	Jet fuel	Motor gasoline <sup>2</sup>	Residual fuel	Other <sup>3</sup>	Total petroleum					
Alabama	20.7	109.0	13.3	295.3	4.5	3.2	425.3	1.3	0.0	446.0	0.0	446.0
Alaska	5.1	31.4	137.6	29.3	0.3	1.7	200.4	0.5	0.0	205.5	0.0	205.5
Arizona	23.2	93.5	56.2	299.9	0.0	3.0	452.5	2.1	0.0	475.8	0.0	475.8
Arkansas	8.9	91.1	5.9	168.2	0.0	3.7	268.9	0.0	0.0	277.8	0.0	277.8
California	13.8	414.6	551.2	1,808.9	154.8	20.4	2,949.9	7.8	2.3	2,965.9	5.1	2,971.0
Colorado	10.2	76.0	43.8	252.3	0.0	3.9	375.9	7.0	S	386.2	0.1	386.2
Connecticut	3.2	38.9	13.4	180.3	0.1	2.1	234.8	0.1	0.0	238.0	0.0	238.0
Delaware	0.1	8.1	0.7	47.8	8.2	0.7	65.4	0.0	0.0	65.5	0.0	65.5
Dist. of Columbia	0.3	4.8	0.0	18.3	S	0.3	23.5	0.0	0.6	24.4	1.4	25.8
Florida	7.5	212.3	173.8	929.7	53.4	8.2	1,377.4	0.1	0.2	1,385.1	0.5	1,385.6
Georgia	8.2	206.4	56.2	579.0	4.1	4.5	850.2	0.0	0.4	858.7	0.8	859.5
Hawaii	0.0	14.3	50.4	49.9	16.7	0.6	132.0	0.0	0.0	132.0	0.0	132.0
Idaho	6.7	34.1	4.1	75.6	0.0	1.1	114.8	0.0	0.0	121.5	0.0	121.5
Illinois	11.4	187.6	105.8	618.9	0.8	9.8	922.9	28.0	1.6	935.9	3.5	939.4
Indiana	7.5	139.5	66.7	384.8	1.1	4.6	596.7	9.4	0.1	604.2	0.1	604.4
Iowa	9.1	70.5	4.4	182.5	0.0	3.6	261.0	8.3	S	270.1	S	270.1
Kansas	25.7	55.9	12.8	152.4	S	4.7	225.8	0.2	0.0	251.6	0.0	251.6
Kentucky	15.5	137.3	34.0	257.9	S	3.7	433.0	0.3	0.0	448.5	0.0	448.5
Louisiana	49.2	171.0	195.4	267.6	64.4	5.7	704.1	S	S	753.3	S	753.4
Maine	1.4	24.0	4.0	73.3	3.4	1.1	105.8	0.0	S	107.2	S	107.2
Maryland	3.1	72.9	16.6	304.5	3.9	2.3	400.2	S	0.6	403.8	1.3	405.2
Massachusetts	3.5	61.0	39.7	335.3	1.8	3.2	441.1	0.0	0.8	445.4	1.9	447.3
Michigan	23.0	125.1	35.3	610.6	0.4	9.5	780.9	4.9	S	803.9	S	804.0
Minnesota	19.3	94.5	65.7	316.3	1.1	5.1	482.8	20.3	0.0	502.1	0.0	502.1
Mississippi	30.8	75.2	47.7	184.2	8.1	2.4	317.6	0.0	0.0	348.5	0.0	348.5
Missouri	2.0	136.9	42.5	367.0	S	7.0	553.5	2.2	0.1	555.6	0.2	555.8
Montana	7.7	36.1	4.3	57.7	0.0	1.7	99.9	0.1	0.0	107.6	0.0	107.6
Nebraska	3.1	50.4	6.3	100.2	0.0	2.5	159.5	2.3	0.0	162.6	0.0	162.6
Nevada	1.4	38.0	47.7	116.7	0.0	1.4	203.9	2.6	0.0	205.3	0.0	205.3
New Hampshire	S	14.0	5.0	82.2	0.0	0.6	101.9	0.0	0.0	101.9	0.0	101.9
New Jersey	4.2	128.0	192.5	485.1	65.4	4.5	875.5	1.1	0.8	880.5	1.8	882.3
New Mexico	44.4	57.2	17.4	109.3	0.0	1.7	185.7	0.8	0.0	230.1	0.0	230.1
New York	6.2	137.0	83.1	686.5	20.2	7.6	934.3	0.4	9.0	949.5	20.3	969.9
North Carolina	6.9	144.6	34.3	502.4	0.7	4.7	686.7	4.6	0.0	693.6	0.0	693.6
North Dakota	14.0	27.0	4.3	41.4	0.0	1.3	74.0	0.6	0.0	88.0	0.0	88.0
Ohio	16.7	224.6	105.3	621.9	0.4	9.7	962.0	17.6	0.1	978.9	0.3	979.2
Oklahoma	25.0	178.3	39.9	217.4	0.0	5.1	440.7	0.0	0.0	465.6	0.0	465.6
Oregon	11.4	69.6	29.6	184.0	7.4	4.3	294.9	1.6	0.1	306.4	0.3	306.7
Pennsylvania	35.3	206.3	107.0	619.8	15.4	8.5	957.1	1.5	1.4	993.8	3.2	997.0
Rhode Island	0.3	8.1	7.4	49.4	0.0	0.5	65.5	0.0	0.0	65.8	0.0	65.8
South Carolina	3.1	89.4	10.5	276.0	1.8	2.0	379.6	0.0	0.0	382.7	0.0	382.7
South Dakota	5.8	21.1	5.5	49.7	0.0	1.1	77.4	1.9	0.0	83.2	0.0	83.2
Tennessee	14.3	139.7	71.2	351.1	S	4.3	566.3	0.0	S	580.6	S	580.6
Texas	72.5	535.6	639.8	1,311.6	101.2	15.6	2,603.7	5.6	0.1	2,676.3	0.3	2,676.5
Utah	5.4	49.7	39.0	117.1	0.0	1.7	207.5	1.3	S	213.0	0.1	213.0
Vermont	S	9.8	0.7	40.9	0.0	0.5	51.9	0.0	0.0	51.9	0.0	51.9
Virginia	8.1	143.4	56.6	465.2	6.6	3.9	675.7	3.0	0.3	684.2	0.7	684.9
Washington	9.7	98.6	123.7	324.6	39.4	3.7	590.1	2.1	0.1	599.8	0.1	599.9
West Virginia	32.5	46.8	1.1	101.0	0.0	1.7	150.5	0.4	0.0	183.0	0.0	183.0
Wisconsin	3.1	99.0	14.7	300.1	S	4.6	418.4	7.1	S	421.5	S	421.5
Wyoming	13.9	53.4	1.9	39.7	0.0	2.0	97.0	0.0	0.0	110.9	0.0	110.9
United States	654.4	5,291.7	3,426.0	16,040.8	585.5	212.1	25,556.2	147.1	18.7	26,229.4	42.1	26,271.5

<sup>1</sup> Includes supplemental gaseous fuels. Transportation use of natural gas is consumed in the operation of pipelines, primarily in compressors, or consumed as vehicle fuel.

<sup>2</sup> Includes ethanol blended into motor gasoline.

<sup>3</sup> "Other" is the sum of aviation gasoline, liquefied petroleum gas (LPG), and lubricants.

<sup>4</sup> Ethanol blended into motor gasoline is included in motor gasoline, but is also shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total.

<sup>5</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

**KEY:** Btu = British thermal unit; S = less than 0.05 trillion Btu.

**NOTE:** Totals may not equal sum of components due to rounding.

**SOURCE:** U.S. Department of Energy, Energy Information Administration, *State Energy Data 2001 Consumption*, Washington, DC: 2004, available at [http://www.eia.doe.gov/emeu/states/\\_multi\\_states.html](http://www.eia.doe.gov/emeu/states/_multi_states.html) as of Dec. 16, 2004.

**Table 7-2: Energy Consumption by End-Use Sector: 2001  
(Trillion Btu)**

State	Total energy consumed <sup>1</sup>	End-use sectors <sup>2</sup>							
		Transportation		Residential		Commercial		Industrial	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	1,942.6	446.0	23.0	379.9	19.6	253.5	13.0	863.2	44.4
Alaska	736.6	205.5	27.9	53.2	7.2	65.4	8.9	412.5	56.0
Arizona	1,353.0	475.8	35.2	344.0	25.4	311.9	23.1	221.3	16.4
Arkansas	1,106.3	277.8	25.1	218.5	19.8	148.1	13.4	461.9	41.8
California	7,853.4	2,971.0	37.8	1,445.7	18.4	1,508.8	19.2	1,927.9	24.5
Colorado	1,270.0	386.2	30.4	302.8	23.8	287.1	22.6	293.8	23.1
Connecticut	853.1	238.0	27.9	266.5	31.2	215.0	25.2	133.6	15.7
Delaware	292.5	65.5	22.4	62.1	21.2	51.6	17.6	113.2	38.7
District of Columbia	168.2	25.8	15.3	34.2	20.3	104.0	61.8	4.2	2.5
Florida	4,134.8	1,385.6	33.5	1,192.6	28.8	958.4	23.2	598.2	14.5
Georgia	2,880.6	859.5	29.8	642.0	22.3	502.9	17.5	876.2	30.4
Hawaii	282.2	132.0	46.8	34.9	12.4	38.6	13.7	76.7	27.2
Idaho	501.0	121.5	24.3	104.8	20.9	94.5	18.9	180.2	36.0
Illinois	3,870.2	939.4	24.3	928.2	24.0	829.1	21.4	1,173.4	30.3
Indiana	2,801.7	604.4	21.6	504.0	18.0	397.4	14.2	1,295.9	46.3
Iowa	1,150.7	270.1	23.5	229.3	19.9	179.0	15.6	472.3	41.0
Kansas	1,043.7	251.6	24.1	215.4	20.6	192.0	18.4	384.8	36.9
Kentucky	1,879.5	448.5	23.9	339.0	18.0	246.1	13.1	845.9	45.0
Louisiana	3,499.5	753.4	21.5	347.8	9.9	263.5	7.5	2,134.8	61.0
Maine	490.7	107.2	21.8	110.9	22.6	73.8	15.0	198.8	40.5
Maryland	1,420.4	405.2	28.5	391.0	27.5	372.3	26.2	251.8	17.7
Massachusetts	1,548.8	447.3	28.9	460.7	29.7	379.4	24.5	261.4	16.9
Michigan	3,120.0	804.0	25.8	789.5	25.3	598.2	19.2	928.3	29.8
Minnesota	1,744.5	502.1	28.8	380.7	21.8	335.6	19.2	526.1	30.2
Mississippi	1,172.6	348.5	29.7	234.1	20.0	162.8	13.9	427.3	36.4
Missouri	1,815.0	555.8	30.6	495.9	27.3	389.1	21.4	374.3	20.6
Montana	365.6	107.6	29.4	69.8	19.1	59.8	16.4	128.4	35.1
Nebraska	627.1	162.6	25.9	152.3	24.3	129.8	20.7	182.4	29.1
Nevada	629.4	205.3	32.6	147.1	23.4	107.9	17.1	169.1	26.9
New Hampshire	322.2	101.9	31.6	86.7	26.9	65.3	20.3	68.3	21.2
New Jersey	2,500.4	882.3	35.3	572.8	22.9	554.3	22.2	490.9	19.6
New Mexico	679.2	230.1	33.9	107.1	15.8	122.4	18.0	219.5	32.3
New York	4,134.6	969.9	23.5	1,194.3	28.9	1,303.2	31.5	667.4	16.1
North Carolina	2,590.5	693.6	26.8	640.6	24.7	513.1	19.8	743.2	28.7
North Dakota	406.9	88.0	21.6	61.0	15.0	55.5	13.6	202.5	49.8
Ohio	3,982.3	979.2	24.6	892.0	22.4	682.2	17.1	1,428.9	35.9
Oklahoma	1,539.5	465.6	30.2	297.8	19.3	232.5	15.1	543.5	35.3
Oregon	1,064.3	306.7	28.8	251.7	23.6	207.6	19.5	298.3	28.0
Pennsylvania	3,922.5	997.0	25.4	930.9	23.7	709.0	18.1	1,285.6	32.8
Rhode Island	227.3	65.8	28.9	72.6	31.9	63.2	27.8	25.8	11.4
South Carolina	1,548.8	382.7	24.7	321.7	20.8	235.4	15.2	609.1	39.3
South Dakota	248.0	83.2	33.5	60.3	24.3	50.3	20.3	54.2	21.9
Tennessee	2,195.4	580.6	26.4	500.0	22.8	369.2	16.8	745.5	34.0
Texas	12,028.8	2,676.5	22.3	1,569.9	13.1	1,356.0	11.3	6,426.3	53.4
Utah	725.4	213.0	29.4	139.6	19.2	140.1	19.3	232.6	32.1
Vermont	163.6	51.9	31.7	47.8	29.2	32.7	20.0	31.2	19.1
Virginia	2,314.6	684.9	29.6	548.9	23.7	533.8	23.1	547.0	23.6
Washington	2,033.9	599.9	29.5	471.2	23.2	376.8	18.5	586.0	28.8
West Virginia	761.7	183.0	24.0	156.6	20.6	110.6	14.5	311.4	40.9
Wisconsin	1,863.4	421.5	22.6	400.8	21.5	312.6	16.8	728.5	39.1
Wyoming	439.1	110.9	25.3	39.3	9.0	50.8	11.6	238.1	54.2
United States	96,275.3	26,271.5	27.3	20,240.5	21.0	17,332.4	18.0	32,430.9	33.7

<sup>1</sup> U.S. total energy and U.S. industrial sector include 29.3 trillion Btu of net imports of coal coke that is not allocated to the states.

<sup>2</sup> End-use sector data include electricity sales and associated electrical system energy losses.

**KEY:** Btu = British thermal unit; Number = trillion Btu.

**SOURCE:** U.S. Department of Energy, Energy Information Administration, *State Energy Data 2001 Consumption*, Washington, DC: 2004, available at [http://www.eia.doe.gov/emeu/states/\\_multi\\_states.html](http://www.eia.doe.gov/emeu/states/_multi_states.html) as of Dec. 16, 2004.

**Table 7-3: Transportation Energy Consumption per Capita: 2001**

State	Population (thousands)	Petroleum		All energy sources	
		Total (trillion Btu)	Per capita <sup>1</sup> (million Btu)	Total (trillion Btu)	Per capita <sup>1</sup> (million Btu)
Alabama	4,466.4	425.3	95.2	446.0	99.9
Alaska	632.7	200.4	316.8	205.5	324.8
Arizona	5,297.7	452.5	85.4	475.8	89.8
Arkansas	2,692.0	268.9	99.9	277.8	103.2
California	34,533.1	2,949.9	85.4	2,971.0	86.0
Colorado	4,428.8	375.9	84.9	386.2	87.2
Connecticut	3,432.6	234.8	68.4	238.0	69.3
Delaware	795.6	65.4	82.2	65.5	82.3
District of Columbia	572.7	23.5	41.0	25.8	45.0
Florida	16,355.2	1,377.4	84.2	1,385.6	84.7
Georgia	8,394.8	850.2	101.3	859.5	102.4
Hawaii	1,225.0	132.0	107.8	132.0	107.8
Idaho	1,321.3	114.8	86.9	121.5	92.0
Illinois	12,517.2	922.9	73.7	939.4	75.0
Indiana	6,126.5	596.7	97.4	604.4	98.7
Iowa	2,932.2	261.0	89.0	270.1	92.1
Kansas	2,700.5	225.8	83.6	251.6	93.2
Kentucky	4,067.3	433.0	106.5	448.5	110.3
Louisiana	4,466.0	704.1	157.7	753.4	168.7
Maine	1,284.7	105.8	82.4	107.2	83.4
Maryland	5,383.4	400.2	74.3	405.2	75.3
Massachusetts	6,399.9	441.1	68.9	447.3	69.9
Michigan	10,005.2	780.9	78.0	804.0	80.4
Minnesota	4,985.2	482.8	96.8	502.1	100.7
Mississippi	2,857.7	317.6	111.1	348.5	122.0
Missouri	5,636.2	553.5	98.2	555.8	98.6
Montana	906.0	99.9	110.3	107.6	118.8
Nebraska	1,719.0	159.5	92.8	162.6	94.6
Nevada	2,094.6	203.9	97.3	205.3	98.0
New Hampshire	1,259.0	101.9	80.9	101.9	80.9
New Jersey	8,504.1	875.5	103.0	882.3	103.7
New Mexico	1,829.1	185.7	101.5	230.1	125.8
New York	19,074.8	934.3	49.0	969.9	50.8
North Carolina	8,195.2	686.7	83.8	693.6	84.6
North Dakota	636.3	74.0	116.3	88.0	138.3
Ohio	11,385.8	962.0	84.5	979.2	86.0
Oklahoma	3,467.2	440.7	127.1	465.6	134.3
Oregon	3,472.6	294.9	84.9	306.7	88.3
Pennsylvania	12,298.4	957.1	77.8	997.0	81.1
Rhode Island	1,059.0	65.5	61.9	65.8	62.1
South Carolina	4,059.8	379.6	93.5	382.7	94.3
South Dakota	758.2	77.4	102.1	83.2	109.7
Tennessee	5,745.8	566.3	98.6	580.6	101.0
Texas	21,340.6	2,603.7	122.0	2,676.5	125.4
Utah	2,279.6	207.5	91.0	213.0	93.4
Vermont	612.9	51.9	84.7	51.9	84.7
Virginia	7,192.7	675.7	93.9	684.9	95.2
Washington	5,992.8	590.1	98.5	599.9	100.1
West Virginia	1,801.6	150.5	83.5	183.0	101.6
Wisconsin	5,405.1	418.4	77.4	421.5	78.0
Wyoming	493.7	97.0	196.5	110.9	224.6
United States	285,093.8	25,556.2	89.6	26,271.5	92.2

<sup>1</sup> Calculated by the Bureau of Transportation Statistics.

**KEY:** Btu = British thermal unit.

**SOURCES:** U.S. Department of Commerce, U.S. Census Bureau, *National Population Estimates*, available at [www.census.gov/popest/national/files/2003\\_nat\\_st\\_dataset.csv](http://www.census.gov/popest/national/files/2003_nat_st_dataset.csv) as of Nov. 17, 2004; U.S. Department of Energy, Energy Information Administration, *State Energy Data 2001 Consumption*, Washington, DC: 2004, available at [http://www.eia.doe.gov/emeu/states/\\_multi\\_states.html](http://www.eia.doe.gov/emeu/states/_multi_states.html) as of Dec. 16, 2004.

**Table 7-4: Motor-Fuel Use: 2003<sup>1</sup>**  
**(Millions of gallons)**

State	Gasoline				Special fuel (mainly diesel)	Total use			Combine d total
	Highway use		Nonhighway use			Private and commercial	Public use	Public use	
	Private and commercial	Public use	Private and commercial	Public use					
Alabama	2,394	38	76	2	710	3,180	40	3,220	
Alaska	U	U	U	U	U	U	U	U	
Arizona	2,536	38	69	2	734	3,339	40	3,379	
Arkansas	1,356	26	69	1	591	2,016	28	2,044	
California	14,737	224	320	10	2,672	17,729	234	17,964	
Colorado	1,948	43	68	2	545	2,561	44	2,606	
Connecticut	1,505	22	115	1	222	1,843	23	1,866	
Delaware	402	6	17	0	60	479	6	485	
District of Columbia	123	9	17	0	26	166	9	175	
Florida	7,772	120	281	5	1,433	9,486	125	9,611	
Georgia	4,840	60	140	3	1,437	6,417	63	6,479	
Hawaii	428	11	9	0	37	473	11	484	
Idaho	572	15	35	1	230	837	16	853	
Illinois	4,909	94	154	5	1,407	6,469	98	6,568	
Indiana	3,174	50	78	2	1,482	4,734	52	4,787	
Iowa	1,501	31	100	2	512	2,113	32	2,146	
Kansas	1,293	29	60	1	405	1,758	30	1,788	
Kentucky	2,176	37	102	2	713	2,991	39	3,030	
Louisiana	2,232	37	181	2	639	3,051	39	3,090	
Maine	747	10	19	1	203	969	11	980	
Maryland	2,534	32	65	1	512	3,112	33	3,145	
Massachusetts	2,753	39	63	2	410	3,225	41	3,266	
Michigan	4,832	70	168	3	983	5,983	73	6,056	
Minnesota	2,543	46	139	2	645	3,327	48	3,375	
Mississippi	1,524	36	73	1	593	2,190	37	2,227	
Missouri	3,042	49	126	2	965	4,133	51	4,184	
Montana	464	13	33	1	194	691	13	704	
Nebraska	806	19	58	1	379	1,243	20	1,264	
Nevada	1,015	16	30	1	303	1,348	17	1,365	
New Hampshire	686	10	25	0	102	813	10	824	
New Jersey	4,347	54	94	3	869	5,310	57	5,367	
New Mexico	893	20	57	1	440	1,390	21	1,411	
New York	5,605	113	155	5	1,263	7,023	118	7,141	
North Carolina	4,042	131	158	3	1,040	5,240	134	5,374	
North Dakota	332	9	31	0	160	523	9	532	
Ohio	5,016	85	142	4	1,520	6,677	89	6,766	
Oklahoma	1,728	35	88	2	846	2,662	36	2,698	
Oregon	1,475	30	56	1	492	2,024	31	2,055	
Pennsylvania	5,016	80	99	4	1,317	6,432	84	6,516	
Rhode Island <sup>2</sup>	381	9	11	0	55	447	9	456	
South Carolina	2,278	30	77	1	630	2,985	32	3,017	
South Dakota	391	11	34	0	167	592	11	603	
Tennessee	2,944	49	71	2	968	3,982	51	4,033	
Texas	10,976	158	297	8	3,259	14,532	165	14,697	
Utah	971	21	35	1	352	1,358	22	1,381	
Vermont	337	6	11	0	67	415	6	421	
Virginia	3,817	55	93	3	1,018	4,928	57	4,985	
Washington	2,616	43	84	2	595	3,294	45	3,339	
West Virginia	798	17	20	1	271	1,088	18	1,106	
Wisconsin	2,431	46	91	2	677	3,199	48	3,247	
Wyoming	303	8	41	0	293	637	8	645	
United States <sup>3</sup>	131,542	2,237	4,434	99	35,441	171,416	2,336	173,752	

<sup>1</sup>Based on reports from state motor-fuel tax agencies. Gasohol is included with gasoline. Public use and nonhighway use were estimated by the Federal Highway Administration.

<sup>2</sup>Rhode Island data are for 2002.

<sup>3</sup>U.S. totals do not include Alaska.

**KEY:** U = data are unavailable.

**NOTE:** The term "motor fuel" applies to gasoline and all other fuels, including special fuels, coming under the purview of the state motor-fuel tax laws. "Special fuels" include diesel fuel and, to the extent they can be quantified, liquefied petroleum gases such as propane. Gasohol, a blend of gasoline and fuel alcohol, is included with gasoline.

**SOURCE:** U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2003*, Washington, DC: 2004, table MF-21, available at <http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.htm> as of Dec. 1, 2004.

**Table 7-5: Alternative-Fueled Vehicles in Use by Fuel Type: 2002  
(Number of vehicles)**

State	Fuel Type					Total
	Liquefied petroleum gases	Natural gas	Methanol	Ethanol	Electricity	
Alabama	4,289	1,341	0	2,713	636	8,979
Alaska	145	401	0	720	11	1,277
Arizona	1,082	7,243	201	1,583	1,662	11,771
Arkansas	2,199	340	0	300	0	2,839
California	21,537	24,990	4,787	9,517	10,670	71,501
Colorado	5,611	2,694	3	3,491	126	11,925
Connecticut	379	2,762	1	1,849	156	5,147
Delaware	85	489	10	783	11	1,378
District of Columbia	7	1,462	50	1,408	316	3,243
Florida	4,171	4,152	6	7,856	357	16,542
Georgia	4,418	4,484	39	2,076	4,550	15,567
Hawaii	842	0	0	1,467	204	2,513
Idaho	1,581	3,412	0	240	0	5,233
Illinois	5,259	3,120	17	6,916	89	15,401
Indiana	1,426	3,397	0	1,670	91	6,584
Iowa	2,179	18	27	1,903	12	4,139
Kansas	3,565	748	1	1,649	22	5,985
Kentucky	2,214	1,191	0	2,313	0	5,718
Louisiana	1,117	896	3	1,309	0	3,325
Maine	158	77	0	134	21	390
Maryland	2,570	3,634	7	2,901	45	9,157
Massachusetts	249	1,006	36	1,331	78	2,700
Michigan	4,822	991	48	4,840	1,606	12,307
Minnesota	2,162	509	0	3,361	0	6,032
Mississippi	1,193	140	0	543	0	1,876
Missouri	2,642	476	95	3,878	11	7,102
Montana	2,980	268	0	309	0	3,557
Nebraska	4,338	370	0	1,095	11	5,814
Nevada	1,487	3,111	0	973	0	5,571
New Hampshire	718	42	0	169	167	1,096
New Jersey	358	2,723	4	2,681	190	5,956
New Mexico	6,069	1,969	11	2,140	435	10,624
New York	6,213	13,100	88	3,723	9,299	32,423
North Carolina	4,560	559	0	4,539	112	9,770
North Dakota	1,310	155	0	354	0	1,819
Ohio	2,487	2,647	26	4,537	242	9,939
Oklahoma	17,839	3,322	0	1,122	0	22,283
Oregon	3,084	1,034	20	1,528	212	5,878
Pennsylvania	1,107	2,299	108	4,008	89	7,611
Rhode Island	122	331	0	391	0	844
South Carolina	3,047	362	0	4,051	0	7,460
South Dakota	1,374	44	0	384	0	1,802
Tennessee	2,623	763	0	3,068	200	6,654
Texas	39,279	9,961	162	6,706	82	56,190
Utah	3,227	1,961	8	1,966	0	7,162
Vermont	366	5	0	199	178	748
Virginia	927	4,735	7	3,740	1,086	10,495
Washington	4,397	1,925	73	2,760	11	9,166
West Virginia	39	378	0	595	0	1,012
Wisconsin	1,459	1,207	35	3,075	37	5,813
Wyoming	2,368	303	0	87	22	2,780
United States, total	187,680	123,547	5,873	120,951	33,047	471,098

**NOTES:** "Natural gas" includes compressed natural gas (CNG) and liquefied natural gas (LNG). "Methanol" includes M85 and M100. "Ethanol" includes E85 and E95. This table does not include data on gasoline-electric hybrids. Components may not add to totals due to rounding.

**SOURCE:** U.S. Department of Energy, Energy Information Administration, Office of Coal, Nuclear, Electric, and Alternate Fuels, *DOE/GSA Federal Automotive Statistical Tool (FAST)*, available at [http://www.eia.doe.gov/cneaf/alternate/page/datatables/afvtable4\\_03.xls](http://www.eia.doe.gov/cneaf/alternate/page/datatables/afvtable4_03.xls) as of Aug. 26, 2004.

**Table 7-6: Top 20 States for Gasoline-Electric Hybrid Automobile Registrations: 2003**

<b>State</b>	<b>Rank</b>	<b>Registrations</b>
California	1	11,425
Virginia	2	3,376
Florida	3	1,996
Washington	4	1,972
Maryland	5	1,851
New York	6	1,653
Texas	7	1,651
Illinois	8	1,502
Massachusetts	9	1,335
Pennsylvania	10	1,217
Ohio	11	1,211
Oregon	12	1,043
North Carolina	13	937
Colorado	14	899
Arizona	15	855
New Jersey	16	854
Georgia	17	791
Michigan	18	770
Wisconsin	19	759
Indiana	20	571
<b>Top 20, total</b>		<b>36,668</b>
<b>United States, total</b>		<b>43,435</b>
<b>Top 20 as % of U.S. total</b>		<b>84.4</b>

**SOURCE:** Based on R. L. Polk & Co., 2003 Motor Vehicle Registrations, available at [http://www.polk.com/news/releases/2004\\_0422.asp](http://www.polk.com/news/releases/2004_0422.asp) as of Oct. 26, 2004.



**Table 7-7: Air Pollution in the 50 Largest Metropolitan Areas  
(Number of days with AQI values greater than 100)**

Metropolitan area	AQI days > 100				
	1999	2000	2001	2002	2003
Atlanta, GA	66	30	14	30	11
Austin-San Marcos, TX	8	6	0	5	3
Baltimore, MD	40	16	26	39	10
Boston, MA-NH	8	1	12	13	3
Buffalo-Niagara Falls, NY	8	5	13	21	7
Chicago, IL	14	1	16	20	4
Cincinnati, OH-KY-IN	26	9	6	26	7
Cleveland-Lorain-Elyria, OH	20	4	17	29	6
Columbus, OH	21	6	7	19	5
Dallas, TX	25	22	16	15	12
Denver, CO	3	2	2	7	17
Detroit, MI	14	3	16	21	7
Fort Lauderdale, FL	1	1	2	1	0
Honolulu, HI	2	2	2	2	U
Houston, TX	51	43	28	23	30
Indianapolis, IN	24	4	8	23	11
Jacksonville, FL	2	0	0	0	0
Kansas City, MO-KS	3	10	4	7	10
Las Vegas, NV-AZ	0	0	1	2	2
Los Angeles-Long Beach, CA	19	45	37	35	61
Louisville, KY-IN	44	10	10	26	7
Memphis, TN-AR-MS	35	24	13	16	9
Miami, FL	5	0	1	0	1
Milwaukee-Waukesha, WI	17	4	12	12	8
Minneapolis-St. Paul, MN-WI	0	0	2	1	1
New Orleans, LA	18	17	5	2	8
New York, NY	25	11	16	30	7
Norfolk-VA Beach-Newport News, VA-NC	16	5	6	15	4
Oklahoma City, OK	4	6	2	2	2
Orlando, FL	4	3	3	1	0
Philadelphia, PA-NJ	32	17	27	33	13
Phoenix-Mesa, AZ	10	9	6	6	7
Pittsburgh, PA	23	4	19	28	7
Portland-Vancouver, OR-WA	0	0	0	1	0
Providence-Fall River-Warwick, RI-MA	2	2	10	9	4
Richmond-Petersburg, VA	21	5	12	21	3
Riverside-San Bernardino, CA	96	98	92	96	102
Sacramento, CA	40	31	35	39	36
St. Louis, MO-IL	29	16	14	32	11
Salt Lake City-Ogden, UT	4	7	4	7	3
San Antonio, TX	9	0	0	17	4
San Diego, CA	16	14	17	13	6
San Francisco, CA	0	0	0	0	0
San Jose, CA	3	1	3	6	6
Seattle-Bellevue-Everett, WA	0	0	0	0	0
Tampa-St. Petersburg-Clearwater, FL	9	6	4	0	4
Tucson, AZ	1	0	0	1	1
Tulsa, OK	13	10	4	5	7
Washington, DC-MD-VA-WV	39	11	22	34	8
West Palm Beach-Boca Raton, FL	1	0	1	0	0

**KEY:** AQI = Air Quality Index; U = data are not available.

**NOTES:** The Air Quality Index (AQI) integrates information on 5 major pollutants (particulate matter less than 10 microns in diameter, sulfur dioxide, carbon monoxide, ozone, and nitrogen dioxide, and for 2000-2003 particulate matter less than 2.5 microns in diameter is also included as a sixth major pollutant) across an entire monitoring network into a single number that represents the worst daily air quality experienced in an urban area. An AQI greater than 100 indicates that at least 1 criteria pollutant exceeded air quality standards on a given day; therefore, air quality would be in the unhealthful range on that day.

**SOURCES:**

**All data except Honolulu:** U.S. Environmental Protection Agency, Office of Air and Radiation, Air Trends, Factbook and Related Information, available at <http://www.epa.gov/airtrends/aqi10year.pdf> as of Aug. 25, 2004.  
**Honolulu:** U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, *National Air Quality and Emissions Trends Report, 2002* (Research Triangle Park, NC: 2003), table A-17. Available at [http://www.epa.gov/airtrends/table\\_a-17\\_2002.pdf](http://www.epa.gov/airtrends/table_a-17_2002.pdf) as of Sept. 30, 2003.



## **Section H**



# **Information on Data Sources**



### Airline freight and passenger data

The U.S. Department of Transportation's (USDOT) Bureau of Transportation Statistics (BTS) collects and compiles data on the volume of revenue passengers, freight, and mail traffic handled and reported by the nation's large certificated air carriers. These carriers hold Certificates of Public Convenience and Necessity (CPN) issued by the USDOT authorizing the performance of air transportation. Large certificated air carriers operate aircraft with seating capacity of more than 60 seats or a maximum payload capacity of more than 18,000 pounds or conduct international operations. Data for commuters, intrastate, nonscheduled air taxi operators, and foreign flag air carriers are not included in this BTS data.

#### Additional information:

Contact: USDOT, Bureau of Transportation Statistics, Office of Airline Information

Internet: <http://www.bts.gov>

### Commodity Flow Survey

The Commodity Flow Survey (CFS) provides data on the movement of freight by type of commodity shipped and by mode of transport. In 2002, 50,000 domestic establishments were randomly selected from a universe of approximately 750,000 engaged in mining, manufacturing, wholesale, warehouses of multi-establishment companies, and some selected activities in retail and service. The survey excluded establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail. For the 2002 CFS, each selected establishment reported on average about 25 outbound shipments for a one-week period in each of four calendar quarters in 2002. This produced a total sample of over 2.4 million shipments. Due to industry-wide reporting problems, shipments by oil and gas extraction establishments were excluded from data tabulations.

For each sampled 2002 CFS shipment, zip code of origin and destination, 5-digit Standard Classification of Transported Goods (SCTG) code, weight, value, and modes of transport were provided. Information on whether the shipment

was a hazardous material or an export was also obtained. Route-distance for each mode, for each shipment, is imputed from a Mode-Distance Table developed by Oak Ridge National Laboratory. Distance was used to compute ton-mileage by mode of transport. The 2002 CFS provides nationwide geographic coverage and in state and selected substate areas.

#### Additional information:

Contact: USDOT, Bureau of Transportation Statistics, Office of Statistical Programs

Print source: USDOT, Bureau of Transportation Statistics and U.S. Department of Commerce (USDOC), Bureau of the Census, *2002 Commodity Flow Survey*. Washington, DC: forthcoming.

Internet: <http://www.bts.gov> and <http://www.census.gov>

### Commuting data

Commuting data are derived from the decennial census "long form" administered to approximately 1 in 6 households (about 19 million) in 2000.

#### Additional information:

Contact: USDOC, U.S. Census Bureau

Internet: <http://www.census.gov>

### Gas and hazardous liquid pipeline data

U.S. fatality and injury data for natural gas pipelines and hazardous liquid pipelines are based on reports filed with the U.S. Department of Transportation, Office of Pipeline Safety (OPS) under 49 CFR 191. Accidents must be reported as soon as possible, but no later than 30 days after discovery. Undetected releases are a possible source of error; even if subsequently detected and reported, it may not be possible to accurately reconstruct the accident. Property damage figures are estimates.

Gas pipeline incidents involve: 1) releases of gas from a pipeline or liquefied natural gas (LNG) or gas from an LNG facility that results in a) death or personal injury necessitating in-patient hospitalization, or b) estimated property damage, including cost of gas lost, of the operator or others, or both, of \$50,000 or more; 2) an event that results in an emergency shutdown of an LNG facility; or

## Data Sources

3) an event that is significant, in the judgment of the operator, even though it did not meet the criteria of 1) or 2).

For hazardous liquids pipelines, an accident report is required for each failure in a pipeline system in which there is a release of the hazardous liquid or carbon dioxide transported resulting in any of the following: 1) explosion or fire not intentionally set by the operator; 2) loss of 5 or more gallons of hazardous liquid or carbon dioxide; 3) escape to the atmosphere of more than 5 barrels (0.8 cubic meters) a day of highly volatile liquids; 4) death of any person; 5) bodily harm to any person resulting in one or more of the following: a) loss of consciousness, b) an individual being carried from the scene, c) medical treatment, or d) disability which prevents the discharge of normal duties or the pursuit of normal activities beyond the day of the accident; or 6) estimated property damage, including cost of clean-up and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding \$50,000.

### **Additional information:**

Contact: USDOT, Research and Special Programs Administration, Office of Pipeline Safety

Internet: <http://ops.dot.gov>

### **Government transportation revenue and expenditure data**

The U.S. Department of Commerce, U.S. Census Bureau conducts an Annual Survey of Government Finances. Alternatively, every five years, in years ending in a '2' or '7', a Census of Governments, including a finance portion, is conducted. The survey coverage includes all state and local governments in the United States. For both the Census and annual survey, the finance detail data encompasses revenue, expenditure, debt, and assets. BTS compiles these data to produce *Government Transportation Financial Statistics*.

The data collection for the annual survey by the U.S. Census Bureau uses two methods: mail canvas and central collection from state sources. Data for local governments includes county, municipal, township, special district, and school district data. Data for state governments are compiled from state government audits, budgets, and other financial

reports into the classification categories used for reporting by the Census Bureau.

Reporting of government finances by the Census Bureau involves presentation of data in uniform categories. While often similar to, or identical to, the classification used by the state or local government, there could be instances in which a significant difference exists between the name used by a state for a financial item and the final category to which it is assigned by the Census Bureau.

Like financial transactions are combined. The financial categories for revenue involve grouping of items by source. Revenue items of the same kind are merged. Financial transactions for expenditures are classified both by function and by object category. Debt items are classified by term (short- and long-term), as well as by type of debt and, to a limited extent, by purpose. Assets also are put into uniform categories, grouped by type of holding, with holdings for insurance trust systems grouped separately from general government.

The share of government sector financial totals contributed by a state government or by local governments differs materially from one state to another. Users can review the *Government Finance and Employment Classification Manual* for additional information regarding the financial categories. The financial amounts in the tables and files are statistical in nature and do not represent accounting statements or conditions.

The local government statistics are developed from a sample survey. Therefore, the local totals, as well as state and local aggregates, are considered estimated amounts subject to sampling error. State government finance data are not subject to sampling. Consequently, state-local aggregates for individual states are more reliable (on a relative standard error basis) than the local government estimates they include.

### **Additional information:**

Contact: USDOC, U.S. Census Bureau, Finance Branch or the Bureau of Transportation Statistics.

Internet: <http://www.census.gov> and <http://www.bts.gov>

### **Hazardous materials incidents data**

Incidents resulting in certain unintentional releases of hazardous materials must be reported under 49 CFR 171.16. Each carrier must submit a report to the USDOT, Research and Special Programs Administration (RSPA) within 30 days of the incident, including information on the mode of transportation involved, results of the incident, and a narrative description of the accident. These reports are generally made available on RSPA's incident database within 90 days of receipt.

Fatalities and injuries are counted only if directly caused by a hazardous material. For example, a truck operator killed by impact forces during a motor vehicle crash would not be counted as a hazardous-material fatality. RSPA contacts the submitting carrier by telephone to verify all reported fatalities.

Although RSPA acknowledges that there is some level of underreporting, it believes that the underreporting is mostly limited to small, nonserious incidents. The reporting requirements were extended to intrastate highway carriers on October 1, 1998. Property damage figures are estimates determined by the carrier prior to the 30-day reporting deadline, and are generally not subsequently updated. Property damage figures, therefore, may underestimate actual damages.

#### **Additional information:**

Contact: USDOT, Research and Special Programs Administration, Office of Hazardous Materials Planning and Analysis

Print source: USDOT, Research and Special Programs Administration, Office of Hazardous Materials Safety, *Hazmat Summary by State for Calendar Year 2003*. Washington, DC: 2004

Internet: <http://hazmat.dot.gov>

### **Highway mileage, condition, and use, driver licenses, and highway vehicle registrations data**

Data on roadway mileage, condition, and use are extracted from the Highway Performance Monitoring System (HPMS), which uses a stratified simple random sample of highway links (small sections of roadway) selected from state inventory

files. The HPMS sample was designed as a fixed sample to minimize data collection costs, but adjustments to maintain representativeness are carried out periodically. The HPMS also consists of universe reporting (a complete census) for the Interstate and the National Highway System, and tabular summary reporting of limited information.

Data are collected independently by the 50 states, Metropolitan Planning Organizations (MPOs), and lower jurisdictions. Many of the geometric data items rarely change, such as number of lanes; others change frequently, such as traffic. The U.S. Department of Transportation, Federal Highway Administration (FHWA) provides guidelines for data collection in the HPMS *Field Manual*, which the states follow to varying extents depending on matters such as staff, resources, state perspective, uses of the data, and state/MPO/local needs for the data. State Departments of Transportation (DOTs) report HPMS data annually to the FHWA.

HPMS data are subject to sampling and nonsampling error. Nonsampling error is the major concern with these data. For some of the most variable and important data items, such as traffic, guidelines for measurement and data collection have been produced. States have the option of using the guidelines or using their own procedures. Many data items are difficult and costly to collect and are reported as estimates not based on direct measurement. The data are collected and reported by many entities and individuals within the responsible organizations. Most do a reasonably good job, but staff turnover, cost, equipment issues, etc., can create difficulties.

States provide vehicle registration data to the FHWA. Vehicle registration data are shown on a calendar-year basis. Efforts are made to exclude transfers, re-registrations, and any other factors that could result in duplication in the vehicle counts. Registration practices for commercial vehicles differ greatly among the states. Some states register a tractor-semitrailer combination as a single unit; others register the tractor and the semitrailer separately. Some states register buses with trucks or automobiles, while many states do not report house and light utility trailers separately from commercial trailers or semitrailers. Some states do not require registration of car or light utility trailers. In some

## Data Sources

instances, FHWA has supplemented the data supplied by the states with information obtained from other sources.

States also provide driver licensing data to the FHWA. Although efforts are made to minimize license duplication, drivers who move from one state to another are sometimes counted in both states until the license from the previous state of residence expires. Problems with the data also arise from the fact that: 1) some individuals obtain their drivers licenses in states other than those of legal residence; 2) some individuals fraudulently obtain multiple licenses; 3) not all individuals who drive are licensed; and 4) the purging of expired licenses or licenses from deceased individuals is not performed on a continual basis.

### **Additional information:**

Contact: USDOT, Federal Highway Administration, Office of Highway Policy Information

Print source: USDOT, Federal Highway Administration, *Highway Statistics*. Washington, DC: Annual issues.

Internet: <http://www.fhwa.dot.gov/ohim/index.html>

### **Highway safety data**

*Fatalities:* Highway fatality data are extracted from the Fatality Analysis Reporting System (FARS), which is compiled by the U.S. Department of Transportation (USDOT), National Highway Traffic Safety Administration (NHTSA). Data are gathered from a census of police accident reports (PARs), state vehicle registration files, state drivers licensing files, state highway department data, vital statistics, death certificates, coroner/medical examiner reports, hospital medical reports, and emergency medical service reports. A separate form is completed for each fatal crash. Blood alcohol concentration (BAC) is estimated when not known. Statistical procedures used for unknown data in FARS can be found in the NHTSA report, *A Method for Estimating Posterior BAC Distributions for Persons Involved in Fatal Traffic Accidents*, DOT HS 807 094 (Washington, DC: July 1986).

Data are collected from relevant state agencies and electronically submitted for inclusion in the FARS database on a continuous basis. Cross-verification

of PARs with death certificates helps prevent undercounting. Moreover, when data are entered, they are checked automatically for acceptable range values and consistency, enabling quick corrections when necessary. Several programs continually monitor the data for completeness and accuracy. Periodically, sample cases are analyzed for accuracy and consistency.

FARS data do not include motor vehicle fatalities on nonpublic roads. These are thought to account for about 2 percent or fewer of the total motor vehicle fatalities per year.

*Injuries and crashes:* NHTSA's General Estimates System (GES) data are a nationally representative sample of police-reported crashes that contributed to an injury or fatality or resulted in property damage and involved at least one motor vehicle traveling on a trafficway. GES data collectors randomly sample PARs and forward copies to a central contractor for coding into a standard GES system format. Documents such as police diagrams or supporting text provided by the officers might be further reviewed to complete a data entry. A NHTSA study of injuries from motor vehicle crashes estimated the total count of nonfatal injuries at over 5 million compared with the GES's estimate of 3.2 million in 1998.

### **Additional information:**

Contact: USDOT, National Highway Traffic Safety Administration, National Center for Statistics and Analysis

Print source: USDOT, National Highway Traffic Safety Administration, *Traffic Safety Facts*. Washington, DC: Annual issues.

Internet: <http://www.nhtsa.dot.gov>

### **International visitors data**

Data on international visitors to the United States are based on international arrivals by air to the United States (excluding those from Canada and Mexico). Information is derived from the Immigration and Naturalization Service's (INS) Visitor Arrivals Program (I-94) and the U.S. Department of Commerce, Tourism Industries Office's Survey of International Air Travelers. The survey obtains data on overseas travel patterns, characteristics, and spending patterns of



international travelers to and from the United States. Between 69,000 and 95,000 travelers are surveyed each year. The survey results are weighted so they represent the international travel populations of U.S. residents and non-residents based upon Immigration and Naturalization Service data.

#### **Additional information:**

Contact: U.S. Department of Commerce (USDOC), International Trade Administration, Tourism Industries Office

Print source: USDOC, International Trade Administration, Tourism Industries Office, *Overseas Visitors to Select U.S. States and Territories*. Washington, DC: Annual issues; and USDOC, International Trade Administration, Tourism Industries Office, *Overseas Visitors to Select U.S. Cities/Hawaiian Islands*. Washington, DC: Annual issues.

Internet: <http://tinet.ita.doc.gov>

#### **Passenger border crossing data**

U.S. Custom Service personnel collect passenger border-crossing entry data for all U.S. land, air, and maritime ports. These numbers reflect all entries, and it is not possible to divide these data into separate entries for same-day and overnight travel or by country of residence for the traveler.

Additionally, for border-crossing figures, the total number of people is not the number of unique individuals, but rather indicates the number of border crossings. Multiple crossings by the same individual count as multiple border crossings.

#### **Additional information:**

Contact: USDOT, Bureau of Transportation Statistics, Office of Transportation Analysis

Internet: <http://www.bts.gov>

#### **Railroad industry and shipments data**

The Association of American Railroads (AAR) database aggregates data from several sources concerning the freight railroad industry and movement of freight, both nationally and statewide. The state-specific data include commerce, employment, and financial contributions.

The primary source of data for Class I railroads is Schedule 700 of the R-1 Annual Report to the Surface Transportation Board (STB) by individual carriers (100 percent reporting) and the Carload Waybill Sample. The primary source of data for non-Class I railroads is AAR's Profiles of U.S. Railroads from statistics supplied annually by nearly all operating U.S. freight railroads. Some of the data are estimated based on more aggregated, national figures.

The STB defines Class I railroads as having operating revenues at or above a threshold indexed to a base of \$250 million (1991) and adjusted annually in concert with changes in the Railroad Freight Rate Index published by the Bureau of Labor Statistics. Declassification from Class I status occurs when a railroad falls below the applicable threshold for three consecutive years. Although few in number, Class I railroads account for over 90 percent of the industry's revenue.

The AAR determines the number of non-Class I railroads through an annual survey sent to each U.S. freight railroad.

Historical reliability may vary due to changes in the railroad industry, including bankruptcies, mergers, and declassification by the STB. Small data errors may also have occurred because of independent rounding in this series by the AAR.

#### **Additional information:**

Contact: Association of American Railroads, Policy and Economics Department

Internet: <http://www.aar.org>

#### **Railroad safety data**

Railroads are required to file a report for each accident or incident to the Federal Railroad Administration (FRA). These include: 1) train accidents, reported on Form F 6180.54, comprised of collisions, derailments, and other events involving the operation of on-track equipment and causing reportable damage above an established threshold (\$6,700 in 2003); 2) highway-rail grade crossing incidents, reported on Form F 6180.57, involving impact between railroad on-track equipment and highway users at crossings; and 3) other incidents, reported on Form F 6180.55a, involving all other reportable incidents or

## Data Sources

exposures that cause a fatality or injury to any person or an occupational illness to a railroad employee.

Railroads are required by FRA regulations to use the current *FRA Guide for Preparing Accident/Incident Reports* when preparing reports.

The Systems Support Division of FRA maintains the Railroad Accident/Incident Reporting System (RAIRS), consisting of four databases: rail equipment, injury/illness, grade-crossing accidents, and railroad summary (freight and passenger). These databases include information on all railroad accidents, grade-crossing accidents, railroad employee casualties, and any other injuries on railroad property, and provide the basis for accident analyses and assessment as well as annual reports. The databases are updated monthly from information submitted by the railroads.

### **Additional information:**

Contact: USDOT, Federal Railroad Administration, Office of Safety

Print publication: USDOT, Federal Railroad Administration, *Railroad Safety Statistics*. Washington, DC: Annual issues.

Internet: <http://www.fra.dot.gov>

### **Recreational boating safety and vehicles data**

The U.S. Coast Guard, of the U.S. Department of Homeland Security, collects data on recreational boating accidents from two sources: 1) Boating Accident Report (BAR) data forwarded to the Coast Guard by jurisdictions with an approved boat numbering and casualty reporting system, and 2) reports of Coast Guard investigations of fatal boating accidents that occurred on waters under federal jurisdiction. Recreational Boating Accident Investigation data are used if submitted to the Coast Guard and are relied on as much as possible to provide accident statistics. In the absence of investigations, information is collected from reports filed by boat operators.

Boat operators are required to file a BAR if an accident results in 1) loss of life, 2) personal injury that requires medical treatment beyond first aid,

3) damage to the vessel and other property exceeding \$2,000, or 4) complete loss of the vessel.

Boat operators are required to report their accidents to authorities in the state where the accident occurred. States with approved boat numbering systems furnish the Coast Guard with BAR data. The minimum reporting requirements are set by federal regulation, but states are allowed to have stricter requirements. The Coast Guard reports recreational boating safety data in the report *Boating Statistics*, which only covers accidents meeting the federal minimum reporting requirements.

The statistics in *Boating Statistics* cover boating accidents reported on waters of joint federal and state jurisdiction, and exclusive state jurisdiction.

The Coast Guard believes over 90 percent of fatal accidents are included in *Boating Statistics*. A smaller percentage of nonfatal accidents are reported because of reporting thresholds, ignorance of the law, and difficulties enforcing the law. Federal law does not require the reporting of accidents on private waters where states have no jurisdiction. Reports of accidents on such waters are included when received by the Coast Guard if they satisfy the other requirements of inclusion. Accidents excluded are those in which the boat was used as a platform for other activities (e.g., swimming), and those in which a person dies of natural causes aboard a boat. However, the data do include accidents involving people in the water who are struck by their boat or another boat.

### **Additional information:**

Contact: U.S. Department of Homeland Security (USDHS), U.S. Coast Guard, Office of Boating Safety

Print source: USDHS, U.S. Coast Guard, Office of Boating Safety, *Boating Statistics*, Washington, DC: Annual issues.

Internet: <http://www.uscgboating.org>

### **Transborder surface freight data**

The Transborder Surface Freight Dataset is extracted from the Census Foreign Trade Statistics Program and made available by the Bureau of Transportation Statistics. Import and export data

are extracted from administrative records required by the Departments of Commerce and Treasury. This dataset incorporates all shipments entering or exiting the United States by surface modes of transport (that is, other than air or maritime vessel) to and from Canada or Mexico. Prior to January 1997, this dataset also included transshipments in its detailed tables, that is, shipments entering or exiting the United States by way of U.S. Customs ports on the northern or southern borders, even when the actual origin or final destination of the goods was other than Canada or Mexico. Shipments that neither originate nor terminate in the United States (i.e., intransit shipments) are beyond the scope of this dataset because they are not considered U.S. international trade shipments.

Users should be aware that the trade data fields (such as value and commodity classification) are typically more rigorously reviewed than transportation data fields (i.e., mode of transportation and port of entry/exit). Users should also be aware that the use of foreign trade data to describe physical transportation flows might not be direct. For example, this dataset provides surface transportation information for individual Customs districts and ports on the northern and southern borders. However, because of filing procedures for trade documents, these ports may or may not reflect where goods physically crossed the border. This is because the filer of information may choose to file trade documents at one port, while shipments actually enter or exit at another port.

Import data are generally more accurate than export data. This is primarily due to the fact that Customs uses import documents for enforcement purposes, while it performs no similar function for exports.

#### **Additional information:**

Contact: USDOT, Bureau of Transportation Statistics, Office of Transportation Analysis

Internet: <http://www.bts.gov>

#### **Transit operating, financial, and safety data**

Transit data are from the National Transit Database (NTD) produced by the USDOT, Federal Transit Administration (FTA). Data are collected from transit agencies that receive Urbanized Area

Formula Program funds. Transit operators that do not report to FTA are those that do not receive federal funding, typically private, small, and rural operators. FTA reviews and validates information submitted by individual transit agencies. Reliability may vary because some transit agencies cannot obtain accurate information or may interpret certain data definitions differently than intended.

Approximately 600 agencies submit data to the NTD. Of that total, about 70 transit agencies receive exemptions from detailed reporting because they operate 9 or fewer vehicles. Thus, about 530 individual reporters are included in the NTD accounting for 90 to 95 percent of transit passenger-miles.

Data are collected on a range of variables including capital and operating funding, transit service supplied and consumed, and transit safety and security. Transit operators must report fatalities, injuries, accidents, incidents, and property damage in excess of \$7,500.

#### **Additional information:**

Contact: USDOT, Federal Transit Administration

Print source: USDOT, Federal Transit Administration, *Data Tables*. Washington, DC: Annual issues; and USDOT, Federal Transit Administration, *National Transit Database Reporting Manual*. Washington, DC: Annual issues.

Internet: <http://www.fta.dot.gov>

#### **Transportation establishment, employees, and payroll data**

Data on employees, establishments, and payroll are taken from County Business Patterns, a database of employment in the United States using the North American Industry Classification System (NAICS). Data are collected annually. Data are extracted from the Business Register, the Census Bureau's file of all known single and multi-establishment companies. The Annual Company Organization Survey and quinquennial Economic Censuses provide individual establishment data for multi-location firms. Data for single-location firms are obtained from various programs conducted by the Census Bureau, such as the Economic Censuses, the Annual Survey of Manufactures, and Current Business

## Data Sources

Surveys. They are also obtained from administrative records of the Internal Revenue Service (IRS), the Social Security Administration (SSA), and the Bureau of Labor Statistics (BLS).

### **Additional information:**

Contact: USDOC, U.S. Census Bureau, Economic Planning and Coordination Division

Print source: USDOC, U.S. Census Bureau, [State]: *County Business Patterns 2002*. Washington, DC: 2004.

Internet: <http://www.census.gov/epcd/cbp/view/cbpview.html>

### **Waterborne shipments data**

The U.S. Army Corps of Engineers' (Corps) Navigation Data Center (NDC) collects data on waterborne commodity and vessel movements, domestic commercial vessel characteristics, port and waterway facilities, and navigation dredging projects.

The NDC's databases contain information on physical characteristics, infrastructure, and commodities for principal facilities on the U.S. coast, Great Lakes, and inland ports. The data consists of listings of port area's waterfront facilities, including information on berthing, cranes, transit sheds, grain elevators, marine repair plants, fleeting areas, and docking and storage facilities.

All vessel operators of record report their domestic waterborne traffic movements to the Corps via ENG Forms 3925 and 3925b. Cargo movements are reported according to points of loading and unloading. Excluded cargo movements are: 1) cargo carried on general ferries, 2) coal and petroleum products loaded from shore facilities directly into vessels for fuel use, 3) military cargo moved in U.S. Department of Defense vessels, and 4) cargo weighing less than 100 tons moved on government equipment. The Corps calculates ton-miles by multiplying the cargo's tonnage by the distance between points of loading and unloading.

An annual survey of companies that operate inland waterway vessels is the principal source of data for inland non self-propelled vessels, self-propelled vessels, and flag passenger and cargo vessels. More than 3,000 surveys are sent to these companies, and response rates are typically above 90 percent.

### **Additional information:**

Contact: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

Print source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*. New Orleans, LA: Annual issues.

Internet: <http://www.wrsc.usace.army.mil>

# **Section I**



# **Appendices and Glossary**

**Appendix 1: Data Sources and Availability**

Publication/database	Source	Website	Tables	Update available (approx.)
Air Carrier Activity Information System (ACAIS)	U.S. DOT, Federal Aviation Administration, Office of Airports	<a href="http://www1.faa.gov/arp/planning/stats/">http://www1.faa.gov/arp/planning/stats/</a>	1-11, 1-12, 3-9	4th quarter 2005
Air Traffic Statistics	U.S. DOT, Bureau of Transportation Statistics	<a href="http://www.bts.gov">http://www.bts.gov</a>	3-8, 4-6, 4-7	3rd quarter 2005
Boating Statistics	U.S. Coast Guard	<a href="http://www.uscgboating.org">http://www.uscgboating.org</a>	2-17, 2-18, 5-6	4th quarter 2005
Border Crossing Data	U.S. DOT, Bureau of Transportation Statistics	<a href="http://www.bts.gov/programs/international/border_crossing_entry_data/">http://www.bts.gov/programs/international/border_crossing_entry_data/</a>	3-12, 3-13, 3-14, 3-15, 3-16, 3-17, 3-18, 3-19, 3-20, 3-21, 3-22, 3-23, 4-9, 4-10, 4-11, 4-12, 4-13, 4-14, 4-15, 4-16, 4-17, 4-18, 4-19, 4-20	2nd quarter 2005
Census 2000	U.S. Census Bureau	<a href="http://www.census.gov">http://www.census.gov</a>	4-1	2012
Commodity Flow Survey	U.S. DOT, Bureau of Transportation Statistics	<a href="http://www.bts.gov/cfs/">http://www.bts.gov/cfs/</a>	3-1, 3-2, 3-3	1st quarter 2009
County Business Patterns	U.S. Census Bureau	<a href="http://www.census.gov/epcd/cbp/view/cbpview.html">http://www.census.gov/epcd/cbp/view/cbpview.html</a>	6-1, 6-2, 6-3, 6-4, 6-5, 6-6	2nd quarter 2005
General Aviation and Air Taxi Activity Survey	U.S. DOT, Federal Aviation Administration	<a href="http://api.hq.faa.gov/pubs.asp">http://api.hq.faa.gov/pubs.asp</a>	5-7	2nd quarter 2005
Government Transportation Financial Statistics	U.S. DOT, Bureau of Transportation Statistics	<a href="http://www.bts.gov">http://www.bts.gov</a>	6-8, 6-9	4th quarter 2005
Hazmat Summary by State	U.S. DOT, RSPA, Office of Hazardous Material Safety	<a href="http://hazmat.dot.gov/">http://hazmat.dot.gov/</a>	2-19, 2-20	1st quarter 2005
Highway Statistics	U.S. DOT, Federal Highway Administration	<a href="http://www.fhwa.dot.gov/ohim/ohimstat.htm">http://www.fhwa.dot.gov/ohim/ohimstat.htm</a>	1-1, 1-2, 1-4, 4-2, 5-1, 5-2, 5-3, 5-4, 6-12, 7-4	4th quarter 2005
Maximum Posted Speed Limits for Passenger Vehicles	Insurance Institute for Highway Safety, Highway Loss Data Institute	<a href="http://www.hwysafety.org/safety_facts/state_laws/speed_limit_laws.htm">http://www.hwysafety.org/safety_facts/state_laws/speed_limit_laws.htm</a>	2-9	3rd quarter 2005
Motorcycle and Bicycle Helmet Laws	Insurance Institute for Highway Safety, Highway Loss Data Institute	<a href="http://www.hwysafety.org/safety_facts/state_laws/helmet_use.htm">http://www.hwysafety.org/safety_facts/state_laws/helmet_use.htm</a>	2-5	3rd quarter 2005
National Bridge Inventory: Deficient Bridges by State and Highway System	U.S. DOT, Federal Highway Administration	<a href="http://www.fhwa.dot.gov/bridge/britab.htm">http://www.fhwa.dot.gov/bridge/britab.htm</a>	1-5, 1-6, 1-7	1st quarter 2005
National Transit Database	U.S. DOT, Federal Transit Administration	<a href="http://www.ntdprogram.com">http://www.ntdprogram.com</a>	1-8, 2-16, 4-3, 4-4	1st quarter 2005

(continues)

KEY: RSPA = Research and Special Programs Administration; U.S. DOT = U.S. Department of Transportation.

**Data Sources and Availability (continued)**

<b>Publication/database</b>	<b>Source</b>	<b>Website</b>	<b>Tables</b>	<b>Update Available (Approx.)</b>
<i>Overseas Visitors to Selected U.S. States and Territories and Overseas Visitors to Select U.S. Cities/Hawaiian Islands</i>	U.S. Dept. of Commerce, International Trade Administration, Office of Tourism Industries	<a href="http://tinet.ita.doc.gov/">http://tinet.ita.doc.gov/</a>	4-21, 4-22	1st quarter 2005
<i>Petroleum Marketing Annual</i>	U.S. DOE, Energy Information Agency	<a href="http://www.eia.doe.gov">www.eia.doe.gov</a>	6-11	3rd quarter 2005
<i>Pipeline Statistics</i>	U.S. DOT, RSPA, Office of Pipeline Safety	<a href="http://ops.dot.gov">http://ops.dot.gov</a>	2-21, 2-22, 2-23	1st quarter 2005
<i>Maritime Statistics</i>	U.S. DOT, MARAD, Office of Statistical and Economic Analysis	<a href="http://www.marad.dot.gov/Marad_Statistics/index.html">http://www.marad.dot.gov/Marad_Statistics/index.html</a>	3-6, 3-7, 3-24	1st quarter 2005
<i>Public Transportation Fact Book</i>	American Public Transportation Association	<a href="http://www.apta.com/stats">http://www.apta.com/stats</a>	1-9	1st quarter 2005
<i>Railroad Safety Statistics Annual Report</i>	U.S. DOT, Federal Railroad Administration, Office of Railway Safety	<a href="http://safetydata.fra.dot.gov/OfficeofSafety">http://safetydata.fra.dot.gov/OfficeofSafety</a>	2-10, 2-11, 2-12, 2-13, 2-14, 2-15	3rd quarter 2005
<i>Railroads and States</i>	Association of American Railroads	<a href="http://www.aar.org/AboutTheIndustry/StateInformation.asp">http://www.aar.org/AboutTheIndustry/StateInformation.asp</a>	1-13, 1-14, 3-4, 6-7	1st quarter 2005
<i>Safety Belt Use</i>	U.S. DOT, National Highway Traffic Safety Administration	<a href="http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/AvailInf.html">http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/AvailInf.html</a>	2-6	4th quarter 2005
<i>State Energy Consumption Data</i>	U.S. Dept. of Energy, Energy Information Administration	<a href="http://www.eia.doe.gov/emeu/states/_use_multistate.html">http://www.eia.doe.gov/emeu/states/_use_multistate.html</a>	7-1, 7-2, 7-3	4th quarter 2005
<i>Toll Facilities in the United States: Bridges-Roads-Tunnels-Ferries</i>	U.S. DOT, Federal Highway Administration	<a href="http://www.fhwa.dot.gov/ohim/tollpage.htm">http://www.fhwa.dot.gov/ohim/tollpage.htm</a>	1-3	3rd quarter 2005
<i>Traffic Safety Facts</i>	U.S. DOT, National Highway Traffic Safety Administration	<a href="http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/">http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/</a>	2-1, 2-2, 2-3, 2-4, 2-7, 2-8	4th quarter 2005
<i>Transborder Surface Freight Data</i>	U.S. DOT, Bureau of Transportation Statistics	<a href="http://www.bts.gov/transborder/reports.html">http://www.bts.gov/transborder/reports.html</a>	3-10, 3-11, 3-24	1st quarter 2005
<i>Urban Mobility Study</i>	Texas Transportation Institute	<a href="http://mobility.tamu.edu/">http://mobility.tamu.edu/</a>	5-5	3rd quarter 2005
<i>U.S. Civil Airmen Statistics</i>	U.S. DOT, Federal Aviation Administration	<a href="http://api.hq.faa.gov/pubs.asp">http://api.hq.faa.gov/pubs.asp</a>	5-8	1st quarter 2005
<i>Waterborne Commerce in the United States</i>	U.S. Army Corps of Engineers, Navigation Data Center	<a href="http://www.iwr.usace.army.mil/ndc/wcsc.htm">http://www.iwr.usace.army.mil/ndc/wcsc.htm</a>	1-15, 1-16, 3-5	1st quarter 2005

**KEY:** MARAD = Maritime Administration; RSPA = Research and Special Programs Administration; U.S. DOE = U.S. Department of Energy; U.S. DOT = U.S. Department of Transportation.

**Appendix 2: State Departments of Transportation Contact Information**

State	Agency	Website address	Telephone
Alabama	Alabama State Department of Transportation	www.dot.state.al.us	(334) 242-6358
Alaska	Alaska Department of Transportation and Public Facilities	www.dot.state.ak.us	(907) 465-3900
Arizona	Arizona Department of Transportation	www.dot.state.az.us	(602) 712-7355
Arkansas	Arkansas State Highway and Transportation Department	www.ahtd.state.ar.us	(501) 569-2000
California	California Department of Transportation	www.dot.ca.gov	(916) 654-5266
Colorado	Colorado Department of Transportation	www.dot.state.co.us	(303) 757-9201
Connecticut	Connecticut Department of Transportation	www.dot.state.ct.us	(860) 594-2000
Delaware	Delaware Department of Transportation	www.deldot.net	(302) 760-2080
District of Columbia	District of Columbia Department of Transportation	www.ddot.dc.gov	(202) 673-6813
Florida	Florida Department of Transportation	www.dot.state.fl.us	(850) 414-4100
Georgia	Georgia Department of Transportation	www.dot.state.ga.us	(404) 656-5267
Hawaii	Hawaii Department of Transportation	www.state.hi.us/dot	(808) 587-2150
Idaho	Idaho Transportation Department	www.state.id.us/itd	(208) 334-8000
Illinois	Illinois Department of Transportation	www.dot.state.il.us	(217)782-7820
Indiana	Indiana Department of Transportation	www.in.gov/dot	(317) 232-5533
Iowa	Iowa Department of Transportation	www.dot.state.ia.us	(515) 239-1101
Kansas	Kansas Department of Transportation	www.ksdot.org	(785) 296-3566
Kentucky	Kentucky Transportation Cabinet	www.kytc.state.ky.us	(502) 564-4890
Louisiana	Louisiana Department of Transportation and Development	www.dotd.state.la.us	(225) 379-1100
Maine	Maine Department of Transportation	www.maine.gov/mdot-stage	(207) 624-3000
Maryland	Maryland Department of Transportation	www.mdot.state.md.us	(410) 865-1142
Massachusetts	MA <sup>1</sup> Executive Department of Transportation and Construction	www.state.ma.us/eotc	(617) 973-7000
Michigan	Michigan Department of Transportation	www.michigan.gov/mdot	(517) 373-2090
Minnesota	Minnesota Department of Transportation	www.dot.state.mn.us	(651) 296-3000
Mississippi	Mississippi Department of Transportation	www.mdot.state.ms.us	(601) 359-7001
Missouri	Missouri Department of Transportation	www.modot.state.mo.us	(573) 751-2551
Montana	Montana Department of Transportation	www.mdt.state.mt.us	(406) 444-6200
Nebraska	Nebraska Department of Roads	www.dor.state.ne.us	(402) 471-4567
Nevada	Nevada Department of Transportation	www.nevadadot.com	(775) 888-7000
New Hampshire	New Hampshire Department of Transportation	www.state.nh.us/dot	(603) 271-3734
New Jersey	New Jersey Department of Transportation	www.state.nj.us/transportation	(609) 530-3536
New Mexico	New Mexico Department of Transportation	www.nmshtd.state.nm.us	(505) 827-5100
New York	New York State Department of Transportation	www.dot.state.ny.us	(518) 457-6195
North Carolina	North Carolina Department of Transportation	www.ncdot.org	(919) 733-2520
North Dakota	North Dakota Department of Transportation	www.state.nd.us/dot	(701) 328-2500
Ohio	Ohio Department of Transportation	www.dot.state.oh.us	(614) 466-7170
Oklahoma	Oklahoma Department of Transportation	www.okladot.state.ok.us	(405) 522-6000
Oregon	Oregon Department of Transportation	www.odot.state.or.us	(503) 986-4366
Pennsylvania	Pennsylvania Department of Transportation	www.dot.state.pa.us	(717) 787-2838
Rhode Island	Rhode Island Department of Transportation	www.dot.state.ri.us	(401) 222-2481
South Carolina	South Carolina Department of Transportation	www.dot.state.sc.us	(803) 737-2314
South Dakota	South Dakota Department of Transportation	www.sddot.com	(605) 773-3265
Tennessee	Tennessee Department of Transportation	www.tdot.state.tn.us	(615) 741-2848
Texas	Texas Department of Transportation	www.dot.state.tx.us	(512) 463-8585
Utah	Utah Department of Transportation	www.sr.ex.state.ut.us	(801) 965-4000
Vermont	Vermont Agency of Transportation	www.aot.state.vt.us	(802) 828-2657
Virginia	Virginia Department of Transportation	www.virginiadot.org	(804) 786-2801
Washington	Washington State Department of Transportation	www.wsdot.wa.gov	(360) 705-7000
West Virginia	West Virginia Department of Transportation	www.wvdot.com	(304) 558-3456
Wisconsin	Wisconsin Department of Transportation	www.dot.state.wi.us	(608) 266-2211
Wyoming	Wyoming Department of Transportation	wydotweb.state.wy.us	(307) 777-4375
United States	United States Department of Transportation	www.dot.gov	(202) 366-4000

<sup>1</sup> MA = Massachusetts.



**British thermal unit (Btu):** The amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit (F) at or near 39.2 degrees F and 1 atmosphere of pressure.

**Certificated airport:** An airport holding an operating certificate issued by the Federal Aviation Administration in accordance with Code of Federal Regulations (CFR) Title 14, Chapter 1, Part 139 allowing it to serve scheduled or unscheduled air carrier aircraft designed for more than 30 passengers.

**Commuter rail:** Urban passenger train service for short-distance travel between a central city and adjacent suburb. Does not include rapid rail transit or light rail transit service.

**Container:** A box-like device used to store, protect, and handle a number of packages or items as a unit of transit that can be interchanged between trucks, trains, and ships without rehandling the contents.

**Controlled right-of-way:** Lanes restricted for at least a portion of the day for use by transit vehicles and other high occupancy vehicles (HOVs).

**Demand responsive:** Transit service provided without a fixed route and without a fixed schedule that operates in response to calls from passengers or their agents to the transit operator or dispatcher. Service is usually provided using cars, vans, or buses with fewer than 25 seats.

**Directional route-miles:** The mileage in each direction over which public transportation vehicles travel while in revenue service. Directional route-miles are a measure of the facility or roadway, not the service carried on the facility such as the number of routes or vehicle-miles. Directional route-miles are computed with regard to direction of service,

but without regard to the number of traffic lanes or rail tracks existing in the right-of-way.

**Dry-bulk carrier (water):** A ship with specialized holds for carrying dry cargo such as coal, grain, and iron ore in unpackaged bulk form.

**Enplanements:** The total number of revenue passengers boarding aircraft.

**Exclusive right-of-way:** Lanes reserved at all times for transit use and other high occupancy vehicles (HOVs).

**Ferryboat (transit):** Vessels that carry passengers and/or vehicles over a body of water. Generally steam or diesel-powered, ferryboats may also be hovercraft, hydrofoil, and other high-speed vessels. The vessel is limited in its use to the carriage of deck passengers or vehicles or both, operates on a short run on a frequent schedule between two points over the most direct water routes other than in ocean or coastwise service, and is offered as a public service of a type normally attributed to a bridge or tunnel.

**Full container ship:** Ships equipped with permanent container cells, with little or no space for other types of cargo.

**Heavy rail:** An electric railway with the capacity to transport a heavy volume of passenger traffic and characterized by exclusive rights-of-way, multi-car trains, high speed, rapid acceleration, sophisticated signaling, and high-platform loading. Also known as “subway,” “elevated (railway),” or metropolitan railway (metro).”

**Light rail:** A streetcar-type vehicle operated on city streets, semi-exclusive rights-of-way, or exclusive rights-of-way. Service may be provided by step-entry vehicles or by level boarding.

**Major arterial highway:** A major highway used primarily for through traffic.

**Metric ton:** 2,205 pounds (2,000 pounds divided by 0.907).

**Minor arterial:** In rural areas, roads linking cities and larger towns. In urban areas, roads distributing trips to small geographic area but not penetrating identifiable neighborhoods.

**Minor collector highway:** In rural areas, routes that serve intracounty rather than statewide travel. In urban areas, streets that provide direct access to neighborhoods and arterials.

**Mixed right-of-way:** Lanes used for general automobile traffic.

**Motor bus:** A rubber-tired, self-propelled, manually steered bus with fuel supply onboard the vehicle. Motor bus types include intercity, school, and transit.

**Natural gas distribution pipeline:** Smaller than transmission pipelines and maintained by companies that distribute natural gas locally (intrastate). Distribution pipeline systems are analogous to networks of lesser roads and residential streets that people travel after getting off the freeway.

**Natural gas transmission pipeline:** Analogous to a major freeway, it is the main interstate transportation route for moving large amounts of natural gas from the source of production to points of distribution. Transmission pipelines are designed to move large amounts of natural gas from areas where the gas is extracted and stored to the local distribution companies that provide natural gas to homes and businesses.

**Principal arterial highway:** Major streets or highways, many of multilane or freeway design, serving high-volume traffic corridor movements that connect major generators of travel.

**Short ton:** 2,000 pounds.

**Tanker:** An oceangoing ship designed to haul liquid bulk cargo in world trade.

**Ton-mile:** The movement of one ton of cargo the distance of one statute mile.

**Trackage rights:** The authority of one railroad to use the tracks of another railroad for a fee.

**Trolley bus:** Rubber-tired, electric transit vehicle, manually steered and propelled by a motor drawing current, normally through overhead wires, from a central power source.

**Unlinked passenger trips:** The number of passengers who board public transportation vehicles. A passenger is counted each time he or she boards a vehicle even if on the same journey from origin to destination.

**Vanpool:** Public-sponsored commuter service operating under prearranged schedules for previously formed groups of riders in 8- to 18-seat vehicles. Drivers are also commuters who receive little or no compensation besides the free ride.

**Vehicle-miles traveled (highway):** Miles of travel by all types of motor vehicles as determined by the states on the basis of actual traffic counts and established estimating procedures.

