## APPENDIX A. SELECTED METRIC TABLES

Table 2-1M. Freight Shipments by Weight and Value

|  | Metric Tonnes (millions) |  | Value (\$ billions) |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Mode | $\mathbf{1 9 9 8}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 2 0}$ | $\mathbf{1 9 9 8}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 2 0}$ |
| Total | $\mathbf{1 3 , 8 5 4}$ | $\mathbf{1 9 , 3 9 2}$ | $\mathbf{2 3 , 4 4 9}$ | $\mathbf{9 , 3 1 2}$ | $\mathbf{1 8 , 3 3 9}$ | $\mathbf{2 9 , 9 5 4}$ |
| Domestic | $\mathbf{1 2 , 2 3 2}$ | $\mathbf{1 7 , 0 7 3}$ | $\mathbf{2 0 , 4 4 5}$ | $\mathbf{7 , 8 7 6}$ | $\mathbf{1 5 , 1 5 2}$ | $\mathbf{2 4 , 0 7 5}$ |
| $\quad$ Air | 8 | 16 | 24 | 545 | 1,308 | 2,246 |
| Highway | 9,470 | 13,544 | 16,447 | 6,656 | 12,746 | 20,241 |
| Rail | 1,773 | 2,293 | 2,625 | 530 | 848 | 1,230 |
| Water | 982 | 1,220 | 1,349 | 146 | 250 | 358 |
| International | $\mathbf{1 , 6 2 1}$ | $\mathbf{2 , 3 1 9}$ | $\mathbf{3 , 0 0 4}$ | $\mathbf{1 , 4 3 6}$ | $\mathbf{3 , 1 8 7}$ | $\mathbf{5 , 8 7 9}$ |
| $\quad$ Air | 8 | 15 | 22 | 530 | 1,182 | 2,259 |
| Highway | 380 | 665 | 970 | 772 | 1,724 | 3,131 |
| Rail | 325 | 470 | 634 | 116 | 248 | 432 |
| Water | 123 | 181 | 236 | 17 | 34 | 57 |
| Other ${ }^{1}$ | 784 | 989 | 1,142 | NA | NA | NA |

Key: NA = Not available.
'Other includes international shipments that moved via pipeline or by an unspecified mode.
Notes: Domestic shipments by pipeline are excluded. Modal numbers may not add to totals due to rounding.
1 ton = 0.91 metric tonne.

Table 2-3M. U.S. Merchandise Trade with Canada and Mexico by Transportation Mode

| Mode | 1997 |  | 2000 |  | $2001{ }^{1}$ |  | 2004 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Value (\$ billions) | $\begin{array}{r} \text { Weight } \\ \text { (millions of } \\ \text { metric tonnes) } \end{array}$ | Value (\$ billions) | $\begin{array}{r} \text { Weight } \\ \text { (millions of } \\ \text { metric tonnes) } \end{array}$ | Value (\$ billions) | $\begin{array}{r} \text { Weight } \\ \text { (millions of } \\ \text { metric tonnes) } \end{array}$ | Value (\$ billions) | $\begin{array}{r} \text { Weight } \\ \text { (millions of } \\ \text { metric tonnes) } \end{array}$ |
| Truck | 323 | NA | 429 | NA | 395 | 164 | 453 | NA |
| Rail | 70 | NA | 94 | NA | 93 | 88 | 108 | NA |
| Air | 28 | <1 | 45 | <1 | 37 | <1 | 32 | <1 |
| Water | 22 | 173 | 33 | 194 | 29 | 194 | 46 | 222 |
| Pipeline | 14 | NA | 24 | NA | 26 | 72 | 39 | NA |
| Other | 19 | NA | 29 | NA | 31 | 1 | 34 | NA |
| Total | 475 | 479 | 653 | 526 | 612 | 519 | 712 | NA |

Key: NA = not available.
${ }^{1} 2001$ data are from the U.S. Department of Transportation, Bureau of Transportation Statistics, International Trade and Freight
Transportation Trends (Washington, DC: 2003), tables 22 and C-11, available at www.bts.gov as of July 12, 2004. "Other" includes
"flyaway aircraft" (i.e., aircraft moving from the manufacturer to a customer and not carrying any freight), vessels moving under their own power, pedestrians carrying freight, and miscellaneous.
Notes: Individual modal totals may not sum to exact totals due to rounding. 1 ton $=0.91$ metric tonne. For value, "Other" includes the difference between the total value and the sum of the modes.
table 2-1M. Freight Shipments by Weight and Value
Source: U.S. Department of Transportation, Federal Highway Administration, Freight Analysis Framework, 2002.

Table 2-9M. Top 25 Airports by Landed Weight of All-Cargo Operations ${ }^{1}$

| Airport | $\begin{aligned} & 2003 \\ & \text { Rank } \end{aligned}$ | Landed weight (thousands of metric tonnes) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2000 | 2001 | 2002 | 2003 |
| Anchorage, AK (Ted Stevens Anchorage International ${ }^{2}$ | 1 | 7,333 | 7,055 | 8,159 | 8,171 |
| Memphis, TN (Memphis international) | 2 | 5,732 | 6,228 | 8,007 | 7,947 |
| Louisville, KY (Louiswille International-Standiford Field) | 3 | 3,617 | 3.653 | 3,812 | 3,785 |
| Miami, FL (Miami International) | 4 | 2,657 | 2,771 | 2,879 | 2,938 |
| Los Angeles, CA (Los Angeles Intemational) | 5 | 2.624 | 2.657 | 2,756 | 2,830 |
| New York, NY (John F, Kennedy International) | 6 | 2.534 | 2.307 | 2,642 | 2,664 |
| Chicago, IL. (OHMere international) | 7 | 2.616 | 2,862 | 2,121 | 2,133 |
| Indianapolis, N (indlanapolis international) | 8 | 1,870 | 1825 | 2,011 | 2,065 |
| Newark, NJ ( Newark Liberty International) | 9 | 1,779 | 1,528 | 1,595 | 1,664 |
| Oakland, CA (Metropolitan Oakland International) | 10 | 1,643 | 1,487 | 1,584 | 1,537 |
| Fort Worth, TX (Dallas/Fort Worth international) | 11 | 1,534 | 1,402 | 1,343 | 1,344 |
| Priladelphia, PA (Philadelphia International) | 12 | 1,319 | 1,318 | 1,330 | 1,238 |
| Ontario, CA (Ontario international) | 13 | 1,107 | 1,172 | 1,310 | 1,213 |
| San Francisco, CA (5an Francisco International) | 14 | 989 | 946 | 1,058 | 1,089 |
| Atlanta GA (William B. Hartsfield International) | 15 | 828 | 889 | 946 | 1,083 |
| Covington/Cincinnati. OH (Gincinnati/Northern Kentucky International) | 16 | 1.149 | 918 | 939 | 996 |
| Honolulu, HI (Honolulu international) | 17 | 628 | 716 | 880 | 923 |
| Seattle, WA (Seattle-Tacoma international) | 18 | 2.026 | 1,310 | 814 | 722 |
| Dayton, OH (lames M. Cox Dayton International) | 19 | 961 | 869 | 799 | 712 |
| Phoenix, AZ (Sky Harbor International) | 20 | 835 | 760 | 787 | 707 |
| Portiand, OR (Portland international) | 21 | 800 | 732 | 740 | 679 |
| Denver, CO (Derwer international) | 22 | 817 | 729 | 710 | 678 |
| Minneapolis, MN (Minneapolis-St Paul intemational/Wold Chamberlain) | 23 | 564 | 532 | 564 | 624 |
| Houston, TX (George Bush Intercontinental) | 24 | 435 | 420 | 437 | 60.4 |
| San Juan, PR (Luls Munoz Marin internationall | 25 | 440 | 379 | 48) | 591 |
| Top 25 airports |  | R) 46,835 | (R) 45,563 | (R) 48,709 | 48,940 |
| United States, all airports? |  | R) 67,815 | (R) 64,796 | (R) 66,488 | 66,290 |
| Top 25 as \% of U.S. total |  | 69.1\% | 70.3\% | 73.3\% | 73.8\% |

Key: R = revised
Ail-Cargo operations are operations dedicated to the exclusive transportation of eargo. This does not include aircraft earrying pasengers
 sirtraft manufaoturens.
AAnctiorige inciudes a targe proportion of ell-cargo operacions in-tramait.
Limited to airports with an agaregate landed weight in excess of 45.380 metric tonnes $\$ 50,000$ short fonal annually.
Note: 1 thant ton $=0.91$ matric tonnal.

Table 2-10M. U.S. Hazardous Materials Shipments by Transportation Mode: 2002

|  | Value |  | Metric tonnes |  | Tonne-kilometers |  | Average kilometers |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Transportation mode | \$ Billion | Percent | (Millions) | Percent | (Billions) | Percent | per shipment |
| TOTAL all modes | 660.2 | 100.0 | 1,988.1 | 100.0 | 477.0 | 100.0 | 219 |
| Single modes, total | 644.5 | 97.6 | 1,958.2 | 98.5 | 455.4 | 95.5 | 169 |
| Truck ${ }^{1}$ | 419.6 | 63.6 | 1,051.9 | 52.9 | 160.8 | 33.7 | 138 |
| For-hire | 189.8 | 28.8 | 407.8 | 20.5 | 95.1 | 19.9 | 459 |
| Private ${ }^{2}$ | 226.7 | 34.3 | 637.0 | 32.0 | 64.4 | 13.5 | 61 |
| Rail | 31.3 | 4.7 | 99.2 | 5.0 | 105.2 | 22.1 | 1,118 |
| Water | 46.9 | 7.1 | 207.0 | 10.4 | 103.1 | 21.6 | S |
| Air | 1.6 | 0.2 | 0.1 | 0.003 | 0.1 | 0.03 | 3,347 |
| P ipeline ${ }^{3}$ | 145.0 | 22.0 | 600.0 | 30.2 | S | S | S |
| Multiple modes, total | 9.6 | 1.5 | 17.0 | 0.9 | 18.2 | 3.8 | 1,366 |
| Parcel, U.S. Postal Service or courier | 4.3 | 0.6 | 0.2 | 0.01 | 0.2 | 0.04 | 1,347 |
| Other | 5.4 | 0.8 | 16.8 | 0.8 | 18.1 | 3.8 | 2,206 |
| Unknown and other modes, total | 6.1 | 0.9 | 12.9 | 0.6 | 3.4 | 0.7 | 92 |

Key: S = data are not published because of high sampling variability or other reasons.
${ }^{1}$ Truck as a single mode includes shipments that went by private truck only, for-hire truck only, or a combination of both.
${ }^{2}$ Private truck refers to a truck operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment. ${ }^{3}$ Excludes most shipments of crude oil.
Note: 1 ton $=0.91$ metric tonne; 1 ton-mile $=1.46$ tonne-kilometer.

Table 2-11M. U.S. Hazardous Materials Shipments by Hazard Class: 2002

|  |  | Value |  | Metric tonnes |  |  | Tonne-kilometers |  |
| :--- | :--- | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Hazard Class | Description | \$ Billions | Percent | Millions | Percent | Billions | Percent |  |
| Class 1 | Explosives | 7.9 | 1.2 | 4.5 | 0.2 | 2.3 | 0.5 |  |
| Class 2 | Gases | 73.9 | 11.2 | 193.6 | 9.7 | 54.4 | 11.4 |  |
| Class 3 | Flammable liquids | 490.2 | 74.3 | $1,622.9$ | 81.6 | 319.1 | 66.9 |  |
| Class 4 | Flammable solids | 6.6 | 1.0 | 10.3 | 0.5 | 6.4 | 1.3 |  |
| Class 5 | Oxidizers and organic peroxides | 5.5 | 0.8 | 11.5 | 0.6 | 6.2 | 1.3 |  |
| Class 6 | Toxics | 8.3 | 1.3 | 7.7 | 0.4 | 6.2 | 1.3 |  |
| Class 7 | Radioactive materials | 5.9 | 0.9 | 0.1 | 0.003 | 0.1 | 0.01 |  |
| Class 8 | Corrosive materials | 38.3 | 5.8 | 82.3 | 4.1 | 52.9 | 11.1 |  |
| Class 9 | Miscellaneous dangerous goods | 23.6 | 3.6 | 55.4 | 2.8 | 29.4 | 6.2 |  |
| Total |  | $\mathbf{6 6 0 . 2}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{1 , 9 8 8 . 1}$ | $\mathbf{1 0 0 . 0}$ | $\mathbf{4 7 7 . 0}$ | $\mathbf{1 0 0 . 0}$ |  |

Key: $Z=$ zero or less than 1 unit of measure.
Note: 1 ton = 0.91 metric tonne; 1 ton-mile $=1.46$ tonne-kilometer.

Figure 2-5M. U.S. International Merchandise Trade by Transportation Mode: 2001


Note: 1 short ton = 1 metric tonne.

Table 3-1M. Kilometers of Infrastructure by Transportation Mode

|  | 1980 | 1990 | 2000 | 2003 | Percent change, 1980-2003 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Public roads, route kilometers | 6,211,806 | 6,223,214 | 6,358,681 | 6,421,036 | 3.4 |
| National Highway System ( ${ }^{\text {NH5 }}$ ) | N | N | 259,409 | 260,393 | N |
| Interstates | 66,176 | 72,540 | 75,113 | 75,267 | 13.7 |
| Other NHS | N | N | 184,296 | 185,126 | N |
| Freight Intermodal connectors ${ }^{1}$ | N | N | N | 2,982 | NA |
| Other | N | N | 6,099,272 | 6,160,544 | N |
| Strategic Highway Corridor Network (STRAHNET) | N | N | 99,886 | 100,706 | N |
| Interstate | N | N | 75,116 | 75,274 | N |
| Non-nterstate | N | N | 24,766 | 25,432 | N |
| Railroad | 294,634* | 283,098 | 274,412 | 226,819 | -23.0 |
| Class I | NA | 214,347 | 194,082 | 159,235 | NA |
| Regional | NA | 29,572 | 33,761 | 25,183 | NA |
| Local | NA | 39,167 | 46,570 | 42,401 | NA |
| Inland waterways |  |  |  |  |  |
| Nawigable channels | 17,703 | 17,703 | 17,703 | 17,703 | 0.0 |
| Great Lakes-St. Lawrence Seaway | 3,769 | 3,769 | 3,769 | 3,769 | 0.0 |
| Pipelines |  |  |  |  |  |
| Oil | 351,469 | 335,954 | 284,847 | 258,892 | -263 |
| Gas | 1,692.666 | (f) 1,913,832 | (R) $2,203,675$ | 2,292,028 | 35.4 |

Key: $\mathbb{N}=$ not applioable: NA - not available: A =fevised.
Exclurlen Class ill railrourda
Note: 1 mile - 1.61 kilomelers

Sources: Public roads; U.S. Department of Traneportation, Federal Highway Administration, Highway Stadtatics iWhahington, DC: Annual isaues).
Freight intermsodal connectors: U.S. Depsertment of Transportation, Federal Highwary Administration, Office of Planning. National Highway System Intermodel Connectors, available at htipolwww.ftwadotgowhep10inhsintermodelconnectoraindex.html as of July 5, 2005.
Rail: Associstion of American Railroads, Railrosd Facts (Washington, DC: vevious iesueel.
Navigable channels: U.S. Army Corpa of Engineara. Great Lakes-St. Lawrentee Seawar: Great Lakes-St. Lawrence
Seaway System, "Seawoy Facts," avilable at http:/iwaw grestlakes-sesway coevioniabouturiveawayfacts.html as of July 6, 2006.
Oil pipelines; 1980-2000: ENO Transportation Foundation, Tranasortafion it A/merica, 2002 Mashington, DC. 20021 2003: U.S. Department of Transportation. Pipeline and Hazardous Msteriale Ssefety Administration, Office of Pipeline Safery, Pipelines Statistics, Incernet site http:ffopa.doc.gov/stata/lpo.htem ae of July 5, 2005.
Gas Pipelines: American Gas Asvociation, Gas Facts (Arlington, VA: Annual ivsues),

Table 3-3M. Truck Kilometers by Products Carried: 2002¹

| Products carried Millions of | ilometers |
| :---: | :---: |
| Total ${ }^{2}$ | 233,632 |
| Animals and fish, live | 1,182 |
| Animal feed and products of animal origin | 3,360 |
| Grains, cereal | 2,202 |
| All other agricultural products | 4,283 |
| Basic chemicals | 1,410 |
| Fertilizers and fertilizer materials | 2,681 |
| Pharmaceutical products | 491 |
| All other chemical products and preparations | 2,174 |
| Alcoholic beverages | 1,808 |
| Bakery and milled grain products | 5,717 |
| Meat, seafood, and their preparations | 4,918 |
| Tobacco products | 717 |
| All other products foodstuff | 11,954 |
| Logs and other wood in the rough | 1,849 |
| Paper or paperboard articles | 5,053 |
| Printed products | 1,231 |
| Pulp, newsprint, paper, paperboard | 3,115 |
| Wood products | 5,731 |
| Articles of base metal | 5,301 |
| Base metal in primary or semifinished forms | 4,637 |
| Nometallic mineral products | 4,906 |
| Tools, nonpowered | 12,487 |
| Tools, powered | 10,425 |
| Electronic and other electrical equipment | 4,866 |
| Furniture, mattresses, lamps, etc. | 3,288 |
| Machinery | 5,190 |
| Miscellaneous manufactured products | 6,449 |
| Precision instruments and apparatus | 1,181 |
| Textile, leather, and related articles | 2,475 |
| Vehicles, including parts | 6,186 |
| All other transportation equipment | 1,024 |
| Coal | 484 |
| Crude petroleum | 212 |
| Gravel or rushed stone | 4,490 |
| Metallic ores and concentrates | 73 |
| Monumental or building stone | 744 |
| Natural sands | 1,753 |
| All other nonmetallic minerals | 802 |
| Fuel oils | 1,983 |
| Gasoline and aviation turbine fuel | 1,366 |
| Plastic and rubber | 3,851 |
| All other coal and refined petroleum products | 1,886 |
| Hazardous waste (EPA manifest) | 306 |
| All other waste and scrape (non-EPA manifest) | 4,261 |
| Recyclable products | 1,484 |
| Mail and courier parcels | 7,660 |
| Empty shipping containers | 1,278 |
| Passengers | 440 |
| Mixed freight | 23,591 |
| Products, equipment , or materials not elsewhere classified | 426 |
| Products not specified | 10,232 |
| Not applicable ${ }^{3}$ | 241 |
| No product carried | 46,634 |

${ }^{1}$ Excludes pickups, panels, minivans, sport utilities, and station wagons.
${ }^{2}$ Detail lines may not add to total because multiple products/hazardous materials may be carried at the same time.
${ }^{3}$ Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent. Note: 1 mile $=1.61$ kilometers.

## Table 3-3M. Truck Kilometers by Products Carried: 2002

Source: U.S. Department of Commerce, Census Bureau, Vehicle Inventory and Use Survey 2002: United States (Washington, DC: 2004), available at http://www.census.gov/svsd/www/02vehinv. html as of July 6, 2005.

Table 3-4M. Number and Vehicle-Kilometers Traveled (VKT) of Trucks by Average Weight (Including Vehicle and Load) ${ }^{1}$

|  | 1987 |  | 1992 |  | 1997 |  | 2002 |  | Percent change, 1987-2002 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number |  | Number |  | Number |  | Number | VKT |  |  |
| Average weight (kilograms) | (thousands) | (millions) | (thousands) | (millions) | (thousands) | (millions) | (thousands) | (millions) | Number | VKT |
| Total | 3,624 | 144,796 | 4,008 | 168,960 | 4,701 | 237,983 | 5,415 | 234,359 | 49 | 62 |
| Light-heavy | 1,030 | 17,329 | 1,259 | 22,551 | 1,436 | 31,890 | 1,914 | 42,254 | 86 | 144 |
| 4,536 to 6,350 | 525 | 8,754 | 694 | 12,875 | 819 | 18,510 | 1,142 | 24,440 | 118 | 179 |
| 6,351 to 7,257 | 242 | 4,407 | 282 | 4,791 | 316 | 6,359 | 396 | 9,508 | 64 | 116 |
| 7,258 to 8,845 | 263 | 4,168 | 282 | 4,885 | 301 | 7,021 | 376 | 8,306 | 43 | 99 |
| Medium-heavy | 766 | 12,200 | 732 | 13,104 | 729 | 16,302 | 910 | 18,935 | 19 | 55 |
| 8,846 to 11,793 | 766 | 12,200 | 732 | 13,104 | 729 | 16,302 | 910 | 18,935 | 19 | 55 |
| Heavy-heavy | 1,829 | 115,266 | 2,017 | 133,305 | 2,536 | 189,791 | 2,591 | 173,169 | 42 | 50 |
| 11,794 to 14,969 | 377 | 8,708 | 387 | 9,163 | 428 | 11,414 | 437 | 9,407 | 16 | 8 |
| 14,969 to 18,144 | 209 | 6,619 | 233 | 8,505 | 257 | 10,612 | 229 | 6,067 | 10 | -8 |
| 18,144 to 22,680 | 292 | 12,271 | 339 | 15,485 | 400 | 21,047 | 318 | 10,779 | 9 | -12 |
| 22,680 to 27,216 | 188 | 11,518 | 227 | 13,999 | 311 | 20,362 | 327 | 14,404 | 74 | 25 |
| 27,216 to 36,287 | 723 | 73,127 | 781 | 82,147 | 1,070 | 120,256 | 1,179 | 124,707 | 63 | 71 |
| 36,288 to 45,359 | 28 | 2,018 | 33 | 2,460 | 46 | 3,906 | 69 | 4,747 | 144 | 135 |
| 45,360 to 58,967 | 8 | 708 | 12 | 1,181 | 18 | 1,691 | 26 | 2,528 | 238 | 257 |
| 58,967 or more | 4 | 298 | 5 | 365 | 6 | 502 | 6 | 530 | 43 | 78 |

${ }^{1}$ Excludes trucks with an average weight of 10,000 pounds or less.
Notes: Weight includes the empty weight of the vehicle plus the average weight of the load carried; 1 mile $=1.61$ kilometers; 1 pound $=0.45$ kilogram.

Table 5-7M. Fuel Consumption by Transportation Mode

|  | $\mathbf{1 9 8 0}$ | $\mathbf{1 9 9 0}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 3}$ |
| :--- | ---: | ---: | ---: | ---: |
| Highway |  |  |  |  |
| Gasoline, diesel and other fuels (million litres) | 435,171 | 494,962 | 615,338 | 642,099 |
| Truck, total | 75,557 | 92,705 | 133,356 | 142,276 |
| $\quad$ Single-unit 2-axle 6-tire or more truck | 26,206 | 31,635 | 36,200 | 40,467 |
| $\quad$ Combination truck | 49,350 | 61,070 | 97,156 | 101,809 |
| Truck (percent of total) | 17.4 | 18.7 | 21.7 | 22.2 |
| Rail, Class I (in freight service) |  |  |  |  |
| Distillate / diesel fuel (million litres) | 14,778 | 11,792 | 14,006 | 14,483 |
| Water |  |  |  |  |
| Residual fuel oil (million litres) | 33,887 | 23,947 | 24,264 | 14,665 |
| Distillate / diesel fuel oil (million litres) | 5,595 | 7,817 | 8,559 | 8,392 |
| Gasoline (million litres) | 3,982 | 4,921 | 4,255 | 4,192 |
| Pipeline |  |  |  |  |
| Natural gas (million cubic meters) | 17,970 | 18,684 | 18,185 | 18,830 |

Notes: 1 gallon $=3.8$ liters; 1 cubic foot $=0.03$ cubic meters.

Table 3-4M. Number and Vehicle-Kilometers Traveled (VKT) of Trucks by Average Weight
Sources: U.S. Department of Commerce, Census Bureau, 2002 Vehicle Inventory and Use Survey: United
States (Washington, DC: 2004), available at http://www.census.gov/svsd/www/02vehinv.html as of July 1, 2005; U.S. Department of Commerce, Census Bureau, 1992 Truck Inventory and Use Survey: United States (Washington, DC: 1995), available at http://www.census.gov/econ/www/viusmain.html as of July 1, 2004.

Table 5-7M. Fuel Consumption by Transportation Mode
Sources: Highway: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics (Washington, DC: Annual issues), table VM-1 and similar tables in earlier editions.
Rail: Association of American Railroads, Railroad Facts (Washington, DC: October 2004), p. 40.
Water: U.S. Department of Energy, Energy Information Administration, Fuel Oil and Kerosene Sales (Washington, DC: Annual issues), tables 2, 4, and similar tables in earlier editions.
Pipeline: U.S. Department of Energy, Natural Gas Annual 2003, DOE/EIA-0131(02) (Washington, DC: January 2005),
table 15 and similar tables in earlier editions.

Table 5-8M. Single-Unit 2-Axle 6-Tire or More Truck Fuel Consumption and Travel

|  | $\mathbf{1 9 8 0}$ | $\mathbf{1 9 9 0}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 3}$ |
| :--- | ---: | ---: | ---: | ---: |
| Number registered (thousands) | 4,374 | 4,487 | 5,926 | 5,667 |
| Vehicle kilometers (millions) | 64,073 | 83,527 | 113,459 | 124,824 |
| Fuel consumed (million litres) | 26,206 | 31,635 | 36,200 | 40,466 |
| Average kilometers traveled per vehicle | 14,649 | 18,615 | 19,146 | 22,027 |
| Average kilometers traveled per litre | 2.4 | 2.6 | 3.1 | 3.1 |
| Average fuel consumed per vehicle (litres) | 5,992 | 7,050 | 6,109 | 7,141 |

Notes: 1 mile $=1.61$ kilometers; 1 gallon $=3.8$ litres .

Table 5-9M. Combination Truck Fuel Consumption and Travel

|  | $\mathbf{1 9 8 0}$ | $\mathbf{1 9 9 0}$ | $\mathbf{2 0 0 0}$ | $\mathbf{2 0 0 3}$ |
| :--- | ---: | ---: | ---: | ---: |
| Number registered (thousands) | 1,417 | 1,709 | 2,097 | 2,245 |
| Vehicle kilometers traveled (millions) | 110,527 | 151,827 | 217,294 | 222,608 |
| Fuel consumed (million litres) | 49,350 | 61,070 | 97,155 | 101,809 |
| Average kilometers traveled per vehicle | 78,008 | 88,845 | 103,640 | 99,153 |
| Average kilometers traveled per gallon | 2.2 | 2.5 | 2.2 | 2.2 |
| Average fuel consumed per vehicle (litres) | 34,831 | 35,737 | 46,339 | 45,347 |

Notes: 1 mile $=1.61$ kilometers; 1 gallon $=3.8$ litres .


Table 5-8M. Single-Unit 2-Axle 6-Tire or More Truck Fuel Consumption and Travel
Source: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics, (Washington, DC: Annual issues).

Table 5-9M. Combination Truck Fuel Consumption and Travel
Source: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics (Washington, DC: Annual issues).

