

# Multimodal Transportation Indicators February 2012



U.S. Department of Transportation Research and Innovative Technology Administration

# **Table of Contents**

Economy	
Transportation Services Index	5
Personal Spending on Transportation	6
Transportation Employment	7
U.S. Surface Trade U.SCanada and U.SMexico	8
Fuel Prices	
Motor Fuel Prices: Retail Gasoline Prices1	0
Motor Fuel Prices: Retail Diesel Prices1	1
Domestic Airline Jet Fuel Prices	2
Index of Railroad Fuel Prices1	3
End-User Prices	
Air Travel Price Index1	4
Amtrak Ticket Prices and Yields1	5
Freight Rail Yields1	7
Passenger Usage	
U.S. Airline Passengers18	8
U.S. Airline Revenue Passenger-Miles and Load Factor19	9
Amtrak Ridership2	1
Amtrak Revenue Passenger-Miles and Load Factor2	2
Transit Ridership2	4

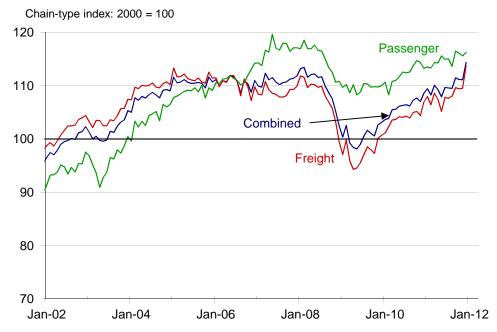
# **Table of Contents (continued)**

# Freight Usage

U.S. Air Carrier Cargo Revenue Ton-Mile	25
Rail Freight: Revenue Ton-Miles	26
System Performance	
U.S. Highway Vehicle Miles Traveled	27
Major U.S. Air Carriers On-Time Performance	28
Amtrak On-Time Performance	29
Inland Waterway Commercial Vessel and Tow Delay	30
Capital Expenditures	
National Highway Construction Cost Index	32
State and Local Government Transportation Construction Value	33

## **Transportation Services Index**

Monthly data, seasonally adjusted



The Transportation Services Index (TSI) is a measure of the month-to-month changes in the output of services provided by the for-hire transportation industry. The index can be examined together with other economic indicators to produce a better understanding of the current and future course of the economy.

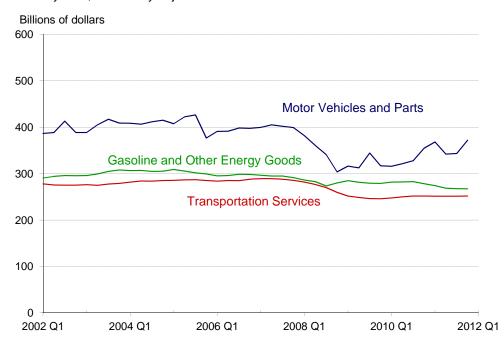
Transportation Services Index	Nov-11	Dec-11
Combined (Index: 2000 = 100)	111.11	114.38
Percent change from previous month	0.0	2.9
Freight (Index: 2000 = 100)	109.49	113.73
Percent change from previous month	0.1	3.9
Passenger (Index: 2000 = 100)	115.58	116.26
Percent change from previous month	-0.5	0.6

**NOTES**: TSI is updated monthly with the index numbers for the latest four months considered to be preliminary. With the release of the preliminary number for the latest month, BTS also replaces the number for the oldest preliminary month with a revised number.

**SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, *Transportation Services Index*, available at http://www.bts.gov/ as of February 2012.

#### **Personal Spending on Transportation**

Quarterly data, seasonally adjusted annual rate



Personal spending on transportation measures consumption of transportation by households. It is also a component of gross domestic product. The historic series is a signal of long-term structural changes.

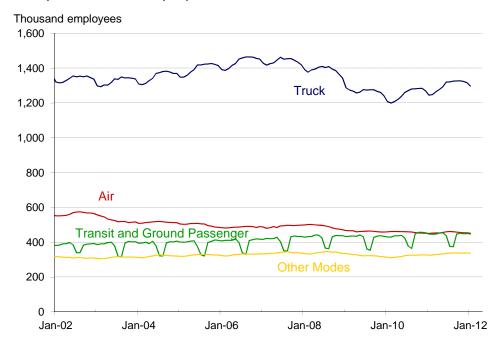
2011 Q3	2011 Q4
343.5	372.1
0.4	8.3
267.5	267.2
-0.4	-0.1
251.4	251.7
0.1	0.1
	343.5 0.4 267.5 -0.4 251.4

**NOTE**: The 2009 revision of the National Economic Accounts combined "Motor vehicle fuels, lubricants, and fluids" with "Fuel oil and other fuels" to form the category "Gasoline and other energy goods." For the 2002-2006 period, the "Motor vehicle fuels, lubricants, and fluids" component accounted for 93% of the combined total.

**SOURCE**: U.S. Department of Commerce, Bureau of Economic Analysis, *National Income and Product Accounts*, available at http://www.bea.gov/ as of February 2012.

## **Transportation Employment**

Monthly data, not seasonally adjusted



Employment in for-hire transportation industries is a signal of demand in the economy. In the May 2010 edition of *Occupational Employment Statistics*, 67 percent of employees in for-hire transportation industries are in transportation and material moving positions (Standard Occupational Classification 53). That share is 76 percent for truck transportation, but only 44 percent for air transportation. (OES data are not directly comparable to 2009 because of revision of the SOC.)

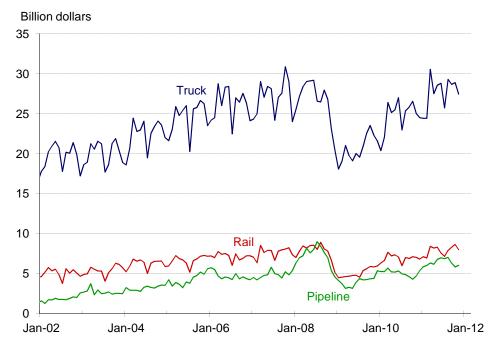
Transportation Employment	Jan-11	Jan-12
Truck Transportation Employees (thousands)	1,244.7	1,296.6
Percent change from same month previous year	3.1	4.2
Air Transportation Employees (thousands)	450.8	451.9
Percent change from same month previous year	-1.9	0.2
Transit and Ground Passenger Transportation Employees (thousands)	446.6	447.8
Percent change from same month previous year	3.6	0.3
Other Transportation Modes Employees (thousands)	325.3	337.7
Percent change from same month previous year	3.7	3.8

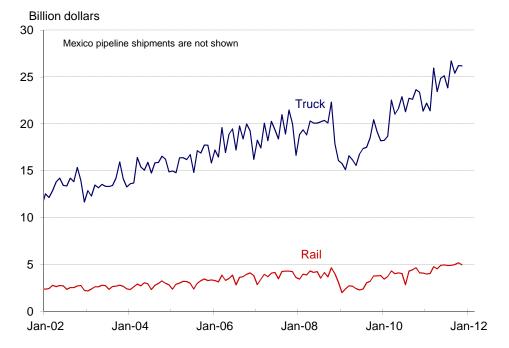
**NOTES**: Other Transportation Modes includes rail, water, and pipeline transportation. Data do not include the sightseeing, support activity, courier, or warehousing industries.

**SOURCE**: U.S. Department of Labor, Bureau of Labor Statistics, *Current Employment Statistics*, available at http://www.bls.gov/ as of February 2012.

# U.S. Surface Trade with Canada and Mexico

Value of U.S. - Canada trade (monthly data, not seasonally adjusted)





Value of U.S. - Mexico trade (monthly data, not seasonally adjusted)

**NOTES:** Transborder freight data is useful in monitoring the value and modal patterns of trade with Canada and Mexico, our North American Free Trade Agreement (NAFTA) partners. Canada is our largest trading partner, and Mexico ranks third. Surface modes include not only truck, rail, and pipeline, but also mail and other miscellaneous modes not shown here.

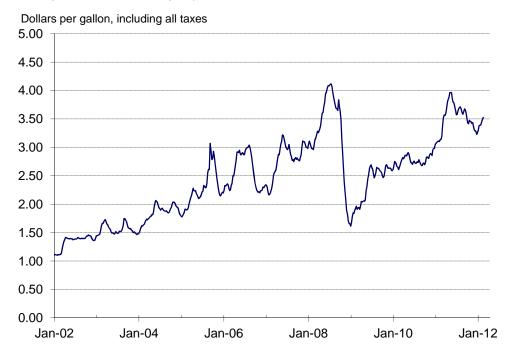
U.S Canada Trade	Nov-10	Nov-11
Truck (billions of dollars)	25.04	27.47
Percent change from same month previous year	12.2	9.7
Rail (billions of dollars)	7.03	8.00
Percent change from same month previous year	20.7	13.9
Pipeline (billions of dollars)	4.70	6.03
Percent change from same month previous year	7.4	28.3

U.S Mexico Trade	Nov-10	Nov-11
Truck (billions of dollars)	23.38	26.18
Percent change from same month previous year	22.2	12.0
Rail (billions of dollars)	4.11	4.97
Percent change from same month previous year	8.6	21.0
Pipeline (billions of dollars)	0.19	0.26
Percent change from same month previous year	117.0	37.3

**NOTE**: The current value is compared to the value from the same period in the previous year to account for seasonality. **SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, *TransBorder Freight Data*, available at http://www.bts.gov/ntda/tbscd/prod.html as of February 2012.

### **Motor Fuel Prices: Retail Gasoline Prices**

Weekly data, not seasonally adjusted



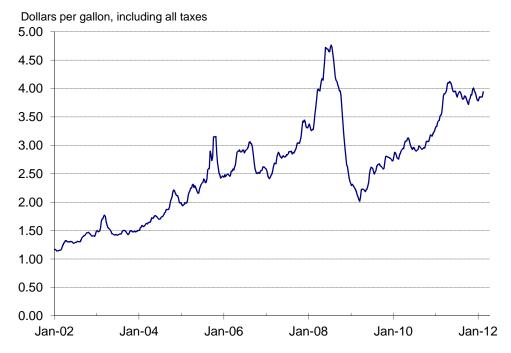
Gasoline prices are an important cost component of highway transportation. Changes in gasoline prices affect the demand for highway transportation, especially as can be seen in vehicle-miles traveled. In the United States, motor gasoline prices follow world crude oil prices more closely than motor diesel prices.

Retail Gasoline Prices (Regular Grade)	6-Feb-12	13-Feb-12
Average regular grade, all formulations (Current dollars per gallon, including all taxes)	3.48	3.52
Percent change from previous week	1.3	1.2

**SOURCE**: U.S. Department of Energy, Energy Information Administration, *Weekly Retail Gasoline Prices*, available at http://eia.doe.gov/ as of February 2012.

## Motor Fuel Prices: Retail Diesel Prices

Weekly data, not seasonally adjusted



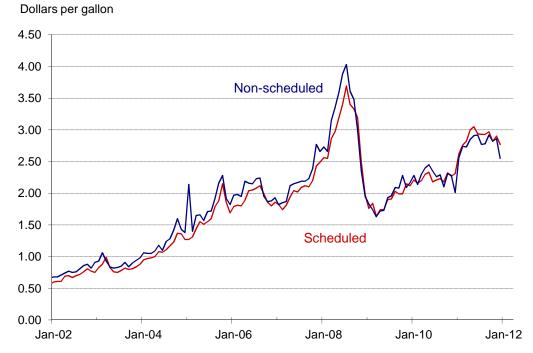
Diesel prices are an important cost component of freight trucking transportation. Changes in diesel prices impact the behavior of producers and consumers, modal mix, and ultimately the overall demand for transportation. Changes in diesel prices affect the profit margins of motor carriers, particularly trucking firms.

Retail On-Highway Diesel Prices (Average All Types)	6-Feb-12	13-Feb-12
Retail on-highway diesel prices (Current dollars per gallon, including all taxes)	3.86	3.94
Percent change from previous week	0.2	2.3

**SOURCE**: U.S. Department of Energy, Energy Information Administration, *Weekly On-Highway Diesel Prices*, available at http://eia.doe.gov/ as of February 2012.

# **Domestic Airline Jet Fuel Prices**

Monthly data, not seasonally adjusted



Jet fuel prices reported to the Bureau of Transportation Statistics (BTS) differ from producer prices. Reports to BTS show the cost per gallon of fuel used by an airline during the month rather than the price charged by a producer on a single day. Fuel costs for scheduled airline services reflect contractual and storage advantages available to large buyers, while fuel costs for non-scheduled airline services reflect economic conditions for smaller buyers. Jet fuel prices also reflect seasonality due to both the seasonality of aviation and because jet fuel has refining requirements similar to heating oil.

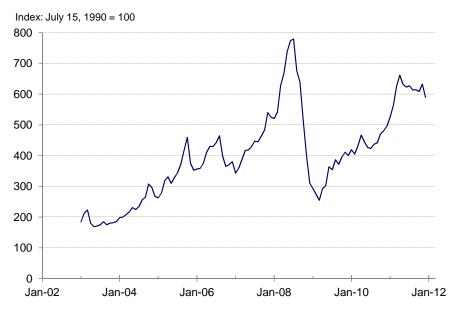
Average Jet Fuel Price by Type of Service	Dec-10	Dec-11
For Domestic Non-scheduled Airline Service (Current dollars per gallon)	2.01	2.55
Percent change from same month previous year	-7.4	26.9
For Domestic Scheduled Airline Service (Current dollars per gallon)	2.31	2.77
Percent change from same month previous year	9.0	19.9

**NOTES**: The current value is compared to the value from the same period in the previous year to account for seasonality. Data for September 2011 to December 2011 are preliminary due to late reports by carriers.

**SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, Office of Airline Information, *Airline Fuel Cost and Consumption*, available at http://www.bts.gov/programs/airline\_information/ as of February 2012.

#### **Index of Railroad Fuel Prices**

Monthly data, not seasonally adjusted



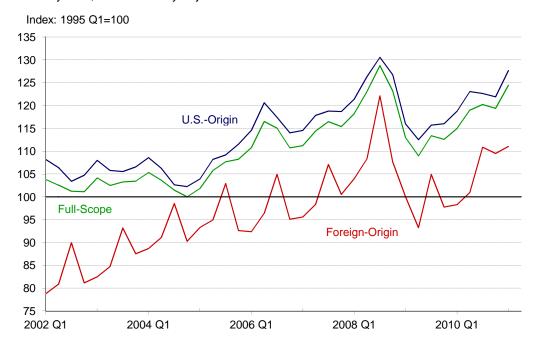
This data series represents the average monthly price for fuels purchased by freight railroads during a month, which includes federal excise taxes, transportation and handling expenses.

Index of Railroad Fuel Prices	Dec-10	Dec-11
Railroad Fuel Prices (Index: July 15, 1990 = 100)	496.4	589.3
Percent change from same month previous year	23.9	18.7

**NOTE**: The current value is compared to the value from the same period in the previous year to account for seasonality. **SOURCE**: Association of American Railroads, *Monthly Railroad Fuel Price Indexes*, available at http://www.aar.org/ as of February 2012.

## **Air Travel Price Index**

Quarterly data, not seasonally adjusted



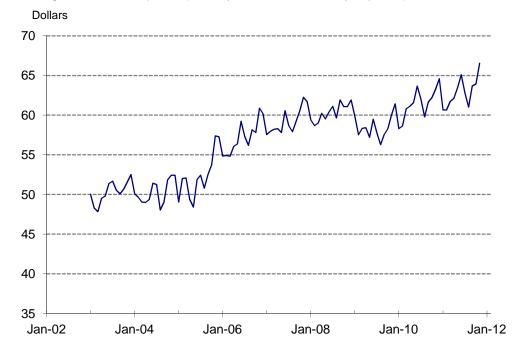
The U.S.-Origin Air Travel Price Index (ATPI) measures change in the cost of itineraries originating in the United States, whether the destinations are domestic or international. The Foreign-Origin ATPI measures change in the cost of itineraries with a foreign origin and a U.S. destination. The Full-Scope ATPI combines the domestic and foreign-origin itineraries.

	2010	2011	Average Annual % Growth Rate
Air Travel Price Index	Quarter 1	Quarter 1	(2001-2011)
U.S Origin Air Travel Price (Index: 1995 Q1 = 100)	118.8	127.7	0.88
Foreign - Origin Air Travel Price (Index: 1995 Q1 = 100)	98.3	111.0	2.81
Full - Scope Air Travel Price (Index: 1995 Q1 = 100)	115.0	124.4	1.07

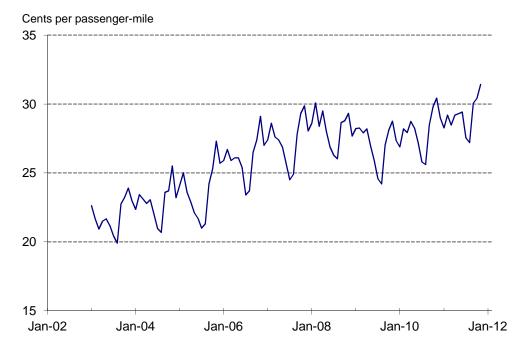
**NOTE:** The current value is compared to the value from the same period in the previous year to account for seasonality. **SOURCE:** U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, *Air Travel Price Index*, available at http://www.bts.gov/ as of February 2012.

# **Amtrak Ticket Prices and Yields**

Average Amtrak ticket prices (monthly data, not seasonally adjusted)



Amtrak ticket yield (monthly data, not seasonally adjusted)



Ticket yield is a normalized measure of revenue, based on the amount of service provided.

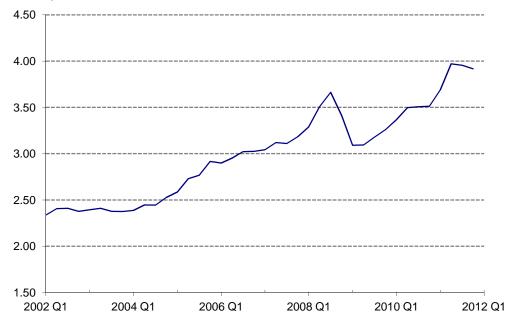
Amtrak Ticket Prices and Yields	Nov-10	Nov-11
Average Amtrak ticket prices (dollars)	63.29	66.54
Percent change from same month previous year	5.5	5.1
Amtrak ticket yield (cents per passenger-mile)	30.43	31.42
Percent change from same month previous year	5.8	3.3

**NOTE**: The current value is compared to the value from the same period in the previous year to account for seasonality. **SOURCE**: National Railroad Passenger Corporation (Amtrak), *Monthly Performance Reports*, available at http://www.amtrak.com/ as of February 2012.

# **Freight Rail Yields**

Operating Yield (quarterly data, not seasonally adjusted)

Cents per ton-mile



For freight, operating yield is a measure of revenue per ton-mile. This is a way of showing the average price paid by freight rail users. Yields break down into costs (such as fuel and labor) and profits associated with rail operations, which may vary by commodity hauled and geography.

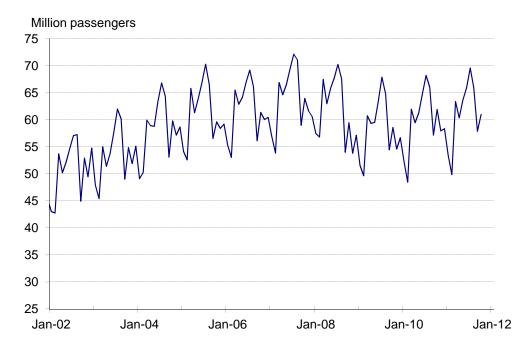
	2010	2011
Freight Rail Operating Yields (Class I only)	Quarter 4	Quarter 4
Operating Yield (cents per ton-mile)	3.51	3.92
Percent change from same quarter previous year	7.7	11.5

NOTE: The current value is compared to the value from the same period in the previous year to account for seasonality.

**SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, calculations based upon Surface Transportation Board, Office of Economics, Environmental Analysis, and Administration, *Quarterly Earnings Reports*, available at http://www.stb.dot.gov/ as of February 2012.

#### **U.S. Airline Passengers**

Monthly data, not seasonally adjusted



In 2010, airlines based in the United States originated 718 million passengers. Eighty-eight percent of passengers had a destination in the United States, and 12 percent had an international destination. For international air travel trips originating in the U.S., domestic carriers originated 56 percent of the passengers.

U.S. Airline Passengers	Oct-10	Oct-11
Scheduled System (Domestic and International) U.S. Airlines Total Passengers	61,898,388	60,977,630
Percent change from same month previous year	5.7	-1.5
NOTE: The current value is compared to the value from the same period in the provious year to a	count for soason	ality

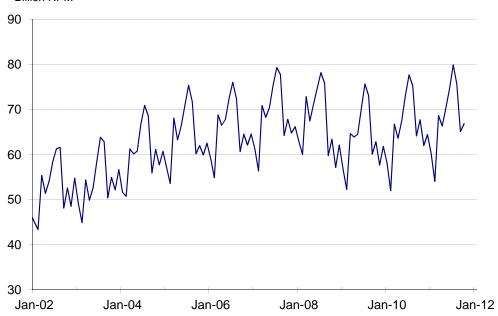
**NOTE**: The current value is compared to the value from the same period in the previous year to account for seasonality.

**SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, Office of Airline Information, available at http://www.bts.gov/programs/airline\_information/ as of February 2012.

# U.S. Airline Revenue Passenger-Miles and Load Factor

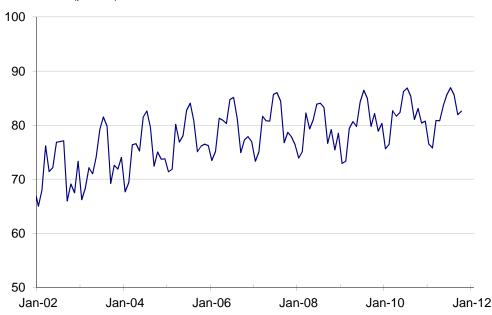
Revenue Passenger-Miles (monthly data, not seasonally adjusted)

Billion RPM



#### Load Factor (monthly data, not seasonally adjusted)

Load factor (percent)



Airline revenue passenger-miles (RPM) are a measure of intensity of use of the air travel system. In 2010, the 718 million passengers traveling on U.S.-based airlines collectively traveled 792 billion miles. On average, a passenger traveling domestically traveled 878 miles. An international passenger traveling on a U.S.-based airline traveled an average of 2,714 miles to the first destination outside the U.S.

In 2010, capacity utilization for domestic carriers was 82.2 percent of available seat-miles (ASM) occupied by passengers for domestic flights, and 81.7 percent of ASM occupied for international flights. Foreign airlines that originated flights in the U.S. had a load factor of 81.5 percent.

U.S. Airline Revenue Passenger-Miles and Load Factor	Oct-10	Oct-11
Scheduled System (Domestic and International) U.S. Airlines Total RPM (billions)	67.72	66.86
Percent change from same month previous year	7.8	-1.3
Scheduled System (Domestic and International) U.S. Airlines' Load Factor (percent)	83.09	82.59
Difference from same month previous year*	0.9	-0.5

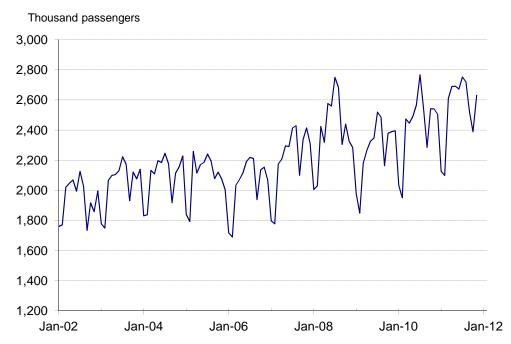
\* Current month minus same month previous year. This is generally used in the case of bound numbers, such as proportions that cannot exceed 100%.

NOTE: The current value is compared to the value from the same period in the previous year to account for seasonality.

**SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, Office of Airline Information, available at http://www.bts.gov/programs/airline\_information/ as of February 2012.

## **Amtrak Ridership**

Monthly data, not seasonally adjusted



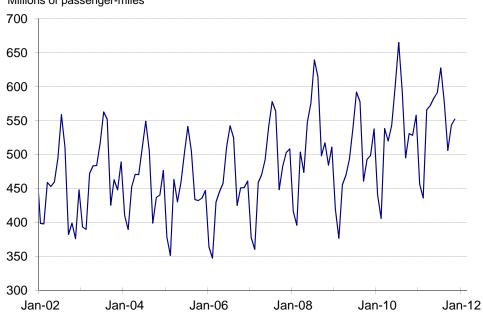
The National Railroad Passenger Corporation (Amtrak) officially began service in May 1971. Amtrak serves more than 500 stations in 46 states and operates over a network of more than 21,000 route miles. Ridership is highly seasonal, with July and August being the highest volume months. In 2000, Amtrak introduced high-speed rail service in the northeast U.S., which helped increase ridership.

Amtrak Ridership	Nov-10	Nov-11
Amtrak Ridership	2,541,087	2,631,290
Percent change from same month previous year	6.3	3.5
NOTE: The current value is compared to the value from the same period in the previous year to account for seasonality.		

**SOURCE**: U.S. Department of Transportation, Federal Railroad Administration, Office of Safety Analysis, *Operational Data Tables*, Table 1.02, available at http://safetydata.fra.dot.gov/OfficeofSafety/ as of February 2012.

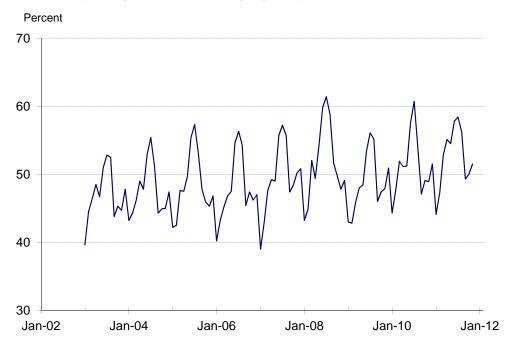
# Amtrak Revenue Passenger-Miles and Load Factor

Revenue Passenger-Miles (monthly data, not seasonally adjusted)



Millions of passenger-miles

Load Factor (monthly data, not seasonally adjusted)



The National Railroad Passenger Corporation (Amtrak) officially began service in May 1971. Amtrak serves more than 500 stations in 46 states and operates over a network of more than 21,000 route miles. Ridership is highly seasonal, with July and August being the highest volume months. In 2000, Amtrak introduced high-speed rail service in the northeast U.S., which helped increase ridership.

Load factor measures usage by capacity. It is calculated by dividing passenger-miles (the aggregation of trip lengths for individual passengers) by seat-miles (the sum of the products of total seats available and total miles traveled for individual trains). Data are available beginning in January 2003.

Amtrak Revenue Passenger-Miles and Load Factor	Nov-10	Nov-11
Amtrak revenue passenger-miles (millions)	528.4	552.4
Percent change from same month previous year	5.9	4.5
Passenger load factor (percent)	48.9	51.5
Difference from same month previous year*	1.0	2.6

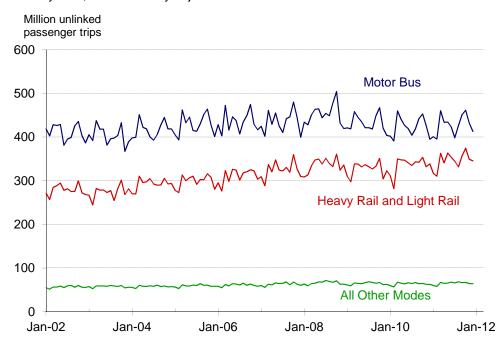
\* Current month minus same month previous year. This is generally used in the case of bound numbers, such as proportions that cannot exceed 100%.

NOTE: The current value is compared to the value from the same period in the previous year to account for seasonality.

**SOURCES**: Revenue Passenger-Miles — U.S. Department of Transportation, Federal Railroad Administration, Office of Safety Analysis, *Operational Data Tables,* Table 1.02, available at http://safetydata.fra.dot.gov/OfficeofSafety/ as of February 2012. Load Factor — National Railroad Passenger Corporation (Amtrak), *Monthly Performance Reports*, available at http://www.amtrak.com/ as of February 2012.

## **Transit Ridership**

Monthly data, not seasonally adjusted



Transit riders in the United States took 9.9 billion unlinked passenger trips in 2010. Approximately 51% of these trips occurred on motor bus, 36% on heavy rail, and roughly four-and-a-half percent each on commuter rail and light rail.

Transit Ridership	Dec-10	Dec-11
Motor Bus Ridership (million unlinked passenger trips)	394.9	413.0
Percent change from same month previous year	-2.2	4.6
Heavy Rail and Light Rail Ridership (million unlinked passenger trips)	338.5	345.6
Percent change from same month previous year	4.9	2.1
All Other Modes Ridership (million unlinked passenger trips)	62.6	63.9
Percent change from same month previous year	0.3	2.0

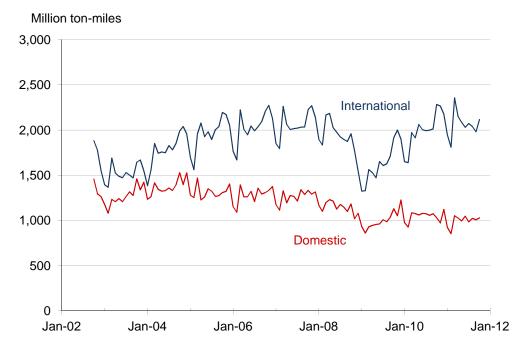
**NOTES:** All other modes includes commuter rail, monorail, cable car, automated guideway, inclined plane, demand response, demand response taxi, trolley bus, van pool, and ferry boat.

Data for the most recent two months are estimated for agencies that have yet to report.

**SOURCE**: U.S. Department of Transportation, Federal Transit Administration, *National Transit Database*, available at http://www.ntdprogram.gov/ as of February 2012.

## U.S. Air Carrier Cargo Revenue Ton-Miles

Monthly data, not seasonally adjusted



The air mode is generally used for cargoes that are time-sensitive and high-value. BTS collects data for air freight and mail that moves on U.S. carriers' domestic and international operating entities.

U.S. Air Carrier Cargo Revenue Ton-Miles	Oct-10	Oct-11
International Cargo Revenue Ton-Miles (millions)	2,284	2,117
Percent change from same month previous year	19.2	-7.3
Domestic Cargo Revenue Ton-Miles (millions)	1,032	1,029
Percent change from same month previous year	-8.7	-0.3

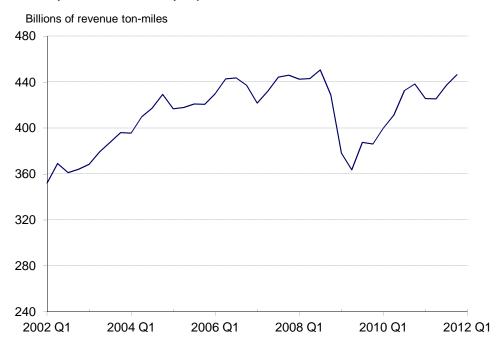
NOTES: The current value is compared to the value from the same period in the previous year to account for seasonality.

International data in this file cover all non-domestic operating entities of U.S. air carriers. The non-domestic operating entity categories include "Atlantic," "Latin America," "Pacific," and "International." The "International" operating entity classification covers operations for carriers that do not classify certain operations as being conducted by the other three operating entities. Data for September 2002 and earlier are not strictly comparable to more recent data due to a change in reporting requirements. More carriers became required to report starting October 2002.

**SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, Office of Airline Information, available at http://www.transtats.bts.gov/ as of February 2012.

# **Rail Freight Revenue Ton-Miles**

Quarterly data, not seasonally adjusted

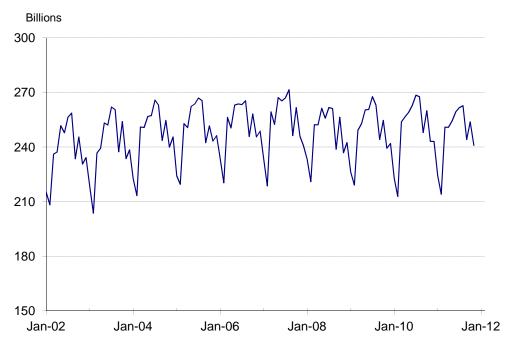


Rail Freight Revenue Ton-Miles (Class I only)	2010 Quarter 4	2011 Quarter 4
Rail Freight Revenue Ton-Miles (billions)	438.3	446.4
Percent change from same quarter previous year	13.5	1.9
NOTE: The current value is compared to the value from the same period in the provious v	war to account for coacon	olity

**NOTE**: The current value is compared to the value from the same period in the previous year to account for seasonality. **SOURCE**: Surface Transportation Board; Office of Economics, Environmental Analysis, and Administration; *Quarterly Earnings Reports*; available at http://www.stb.dot.gov/ as of February 2012.

#### **U.S. Highway Vehicle-Miles Traveled**

Monthly data, not seasonally adjusted



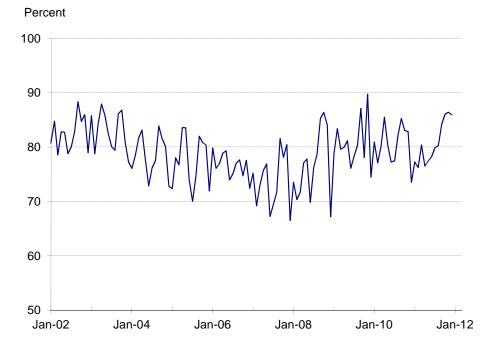
Vehicle-miles traveled (VMT) are key data for highway planning and management, and a common measure of roadway use. Along with other data, VMT are often used in estimating congestion, air quality, and potential gas-tax revenues, and can provide a general measure of the level of the nation's economic activity.

Vehicle-Miles Traveled	Nov-10	Nov-11
Highway miles (millions)	243,085	240,943
Percent change from same month previous year	1.6	-0.9

**NOTE:** The current value is compared to the value from the same period in the previous year to account for seasonality. **SOURCE:** U.S. Department of Transportation, Federal Highway Administration, Office of Highway Policy Information, *Traffic Volume Trends*, available at http://www.fhwa.dot.gov/ as of February 2012.

#### **U.S. Major Air Carriers On-time Performance**

U.S. Major Air Carrier Domestic On-time Arrival Performance (monthly data, not seasonally adjusted)



The share of flights arriving on time is a measure of service quality. Not only is this indicator strongly seasonal, but the data also reflect the effects of weather. For the ten-year period ending 2010, 19.5% of flights were delayed, 1.6% were cancelled, and 0.2% were diverted. These data only cover major airlines, which are required to report delays.

Flight On-Time Performance	Dec-10	Dec-11
Number of scheduled flights	295,401	284,671
Percent change from same month previous year	1.5	-3.6
Percentage of flights arriving on-time	73.53	85.95
Difference from same month previous year*	-0.9	12.4

\* Current month minus same month previous year. This is generally used in the case of bound numbers, such as proportions that cannot exceed 100%.

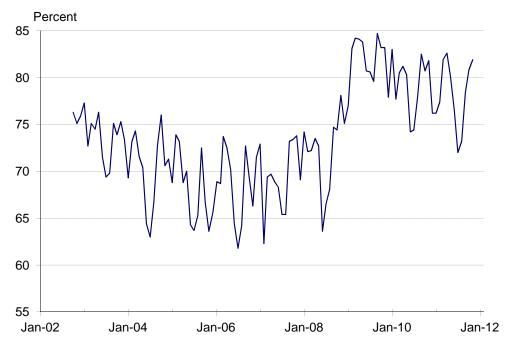
**NOTES**: The current value is compared to the value from the same period in the previous year to account for seasonality. Data are available for those carriers that had at least 1% of domestic enplanements in the previous year. The last 25 months of data include only carriers that reported in each of the last 25 months to retain comparability. Earlier data includes all reporting carriers.

A scheduled operation consists of any nonstop segment of a flight. The term "late" is defined as 15 minutes after the scheduled departure or arrival time. A "cancelled" flight is a flight that was not operated but was in the carrier's computer reservation system within 7 days of the scheduled departure. A "diverted" flight is a flight which is operated from the scheduled origin point to a point other than the scheduled destination point in the carrier's published schedule.

**SOURCE**: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics, Office of Airline Information, *Flight Delays at-a-Glance*, available at http://www.bts.gov/programs/airline\_information/ as of February 2012.

## **Amtrak On-Time Performance**

Monthly data, not seasonally adjusted



National Railroad Passenger Corporation (Amtrak) trips of up to 250 miles are considered on-time if they arrive less than 10 minutes beyond the scheduled arrival time; 251–350 miles, 15 minutes; 351–450 miles, 20 minutes; 451–550 miles, 25 minutes; and greater than 550 miles, 30 minutes.

Amtrak On-Time Performance	Nov-10	Nov-11
On-time performance (percent on-time)	81.8	81.9
Difference from same month previous year*	-1.4	0.1

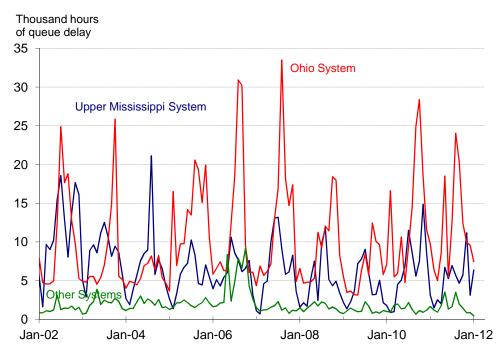
\* Current month minus same month previous year. This is generally used in the case of bound numbers, such as proportions that cannot exceed 100%.

**NOTES**: The current value is compared to the value from the same period in the previous year to account for seasonality. Data are for endpoint arrival delays.

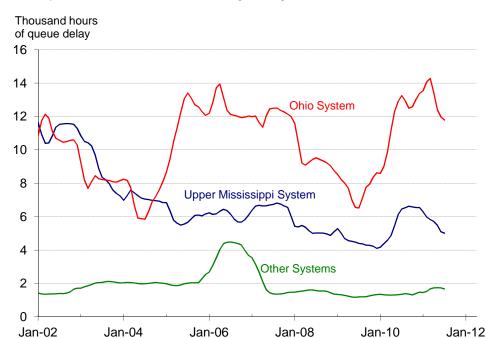
**SOURCE**: National Railroad Passenger Corporation (Amtrak), *Monthly Performance Reports*, available at http://www.amtrak.com/ as of February 2012.

# Inland Waterway Commercial Vessel and Tow Delay

Monthly data, not seasonally adjusted



For reporting rivers, inland commercial traffic in 2010 spent 236,117 hours in lockage and 250,376 hours waiting for lockage. The greatest total delay in 2010 was at Lock 52 on the Ohio River, with 45,270 hours.



Monthly data, 12-month centered moving average

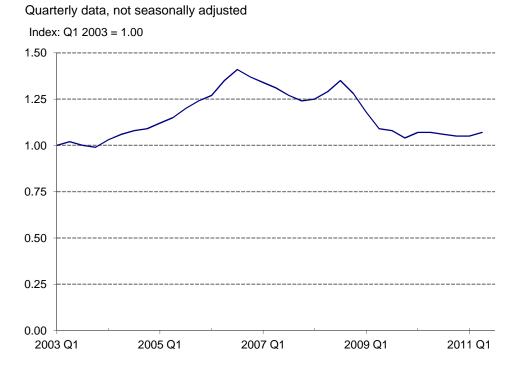
A moving average facilitates analysis of trends in highly variable data series.

Commercial Vessel and Tow Delay	Jan-11	Jan-12
Total Ohio River System Hours of Delay	9,731	7,456
Percent change from same month previous year	36.8	-23.4
Total Upper Mississippi River System Hours of Delay	3,135	6,358
Percent change from same month previous year	77.0	102.8
Total Other Waterway Systems Hours of Delay	1,671	448
Percent change from same month previous year	66.6	-73.2

**NOTES:** Data for the Upper Mississippi River System includes the Mississippi (north of the Ohio confluence), Illinois, Chicago, and Kaskaskia Rivers. Data for the Ohio River System includes the Ohio, Cumberland, Green, Barren, Kanawha, Allegheny, and Monongahela Rivers. Other rivers for which data are available are the Arkansas River, which has a confluence with the Mississippi below the Ohio, and the Tennessee and Clinch Rivers, which ultimately flow into the Ohio, but also feed traffic to the Tennessee-Tombigbee Waterway.

**SOURCE**: U.S. Army Corps of Engineers, Navigation Information Connection, *Operations and Maintenance of Navigation Installations Report 10W*, available at http://www2.mvr.usace.army.mil/nic2/default.cfm as of February 2012.

## **National Highway Construction Cost Index**



The National Highway Construction Cost Index (NHCCI) is a price index that tracks price changes associated with highway construction costs.

	2010	2011
National Highway Construction Cost Index	Quarter 2	Quarter 2
National Highway Construction Cost Index (Index: Q1 2003 = 1.00)	1.07	1.07
Percent change from same quarter previous year	-1.8	0.0

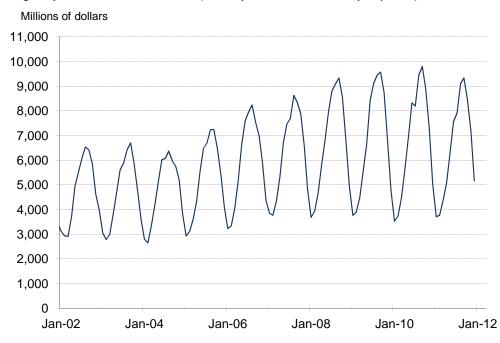
**NOTES**: The current value is compared to the value from the same period in the previous year to account for seasonality. The NHCCI is updated quarterly and has a base period of the First Quarter of 2003. The data series began with 45 states in 2003 and currently includes 48 states; Alaska and Hawaii are excluded due to unique cost issues.

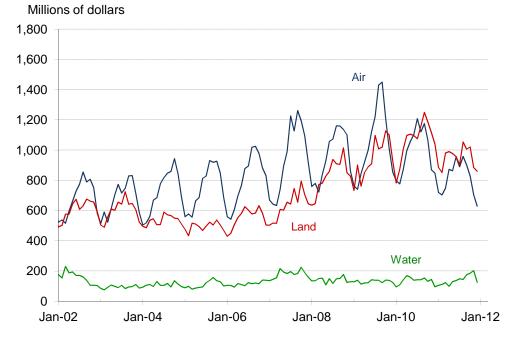
The NHCCI does not have the exact same coverage as the C30 (Value of Construction Put in Place) dataset from the Census Bureau. The C30 data only covers the value of new construction, and the NHCCI tracks materials and services purchased by states.

**SOURCE**: U.S. Department of Transportation, Federal Highway Administration, Office of Highway Policy Information, National Highway Construction Cost Index, available at http://www.fhwa.dot.gov/policyinformation/index.cfm as of February 2012.



Highway and Street Construction (monthly data, not seasonally adjusted)





Air, Land, and Water Transportation Construction (monthly data, not seasonally adjusted)

Transportation construction includes new infrastructure put in place, as well as conversions, expansions, reconstructions, and rehabilitations of existing transportation infrastructure; it does not include maintenance or land acquisition. State and local governments spent \$107.7 billion on transportation infrastructure construction in 2010, a 0.9% increase from 2009. Federal expenditures on highway and other transportation construction were \$3.2 billion in 2010, as most of the revenues collected at the federal level are redistributed to the states.

State and Local Transportation Construction Value	Dec-10	Dec-11
Highway and Street Construction (millions of dollars)	5,029	5,160
Percent change from same month previous year	4.8	2.6
Air Transportation Construction (millions of dollars)	847	629
Percent change from same month previous year	-1.1	-25.7
Land Transportation Construction (millions of dollars)	1,040	860
Percent change from same month previous year	11.8	-17.3
Water Transportation Construction (millions of dollars)	96	126
Percent change from same month previous year	-23.2	31.3

**NOTES**: The current value is compared to the value from the same period in the previous year to account for seasonality.

Air transportation includes terminals, runways, towers, and other facilities. Land transportation includes terminals, transit facilities, railroad track and bridges, and other facilities. Water transportation includes docks, wharves, marinas, and other terminals, but does not include levees, locks, jetties, or sea walls.

**SOURCE**: U.S. Department of Commerce, Census Bureau, *Construction Spending*, available at http://www.census.gov/construction/c30/c30index.html as of February 2012.