



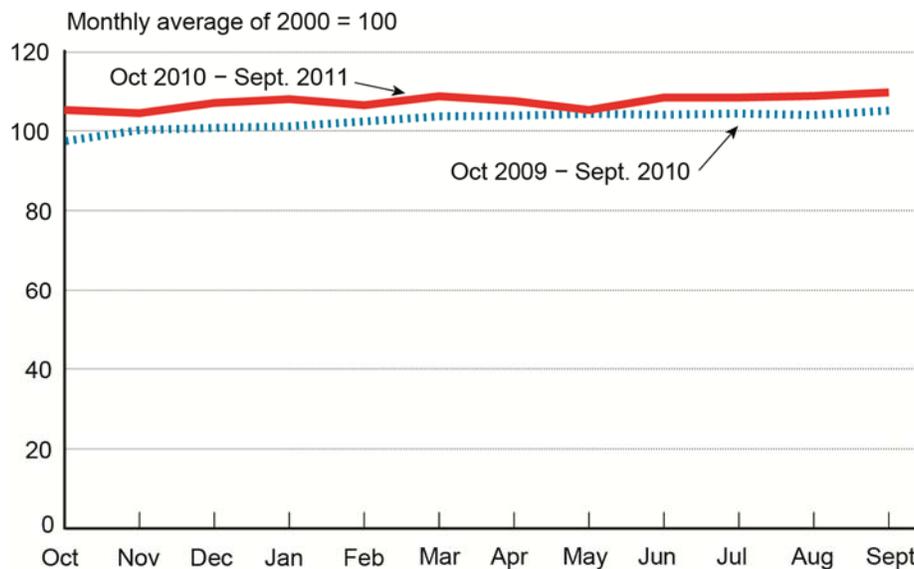
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BTS Data

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Contact: Dave Smallen
Tel: 202-366-5568

Freight Shipments Rose 0.9% in September from August

Freight Transportation Services Index, October 2009-September 2011



The amount of freight carried by the for-hire transportation industry rose 0.9 percent in September from August, reaching the highest level since July 2008, according to the U.S. Department of Transportation's Bureau of Transportation Statistics' (BTS) Freight Transportation Services Index (TSI) released today (Table 1).

BTS, a part of the Research and Innovative Technology Administration, reported that the level of freight shipments, measured by the Freight TSI, rose 4.2 percent in the last four months to reach the new level (Table 2A).

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The Freight TSI measures the month-to-month changes in freight shipments by mode of transportation in ton-miles, which are then combined into one index. The index measures the output of the for-hire freight transportation industry and consists of data from for-hire trucking, rail, inland waterways, pipelines and air freight.

Trend: Shipments in September 2011 (109.6 on the index) were at the highest level since July 2008 (109.9). July 2008 was followed by six straight months of decline. After dipping to a recent low in April 2009 (94.3), freight shipments increased in 20 of the last 28 months. Shipments rose 16.2 percent over the last 29 months starting from April 2009 after declining 15.5 percent from February 2008 to April 2009 (Tables 2, 2A). For additional historic data, go to <http://www.bts.gov/xml/tsi/src/index.xml>.

Year-to-date: For the first nine months of 2011, freight shipments measured by the index were up 2.5 percent (Table 3).

Index highs and lows: Freight shipments in September 2011 (109.6 on the index) rose 16.2 percent from the recent low in April 2009 (94.3). In April 2009, freight shipments were at their lowest level since June 1997 (92.3). The September 2011 level is down 3.3 percent from the historic freight shipment peak reached in January 2005 (113.3).

Long-term trend: Freight shipments are down 1.4 percent in the five years from September 2006. Shipments are up 11.8 percent in the 10 years from September 2001 despite declines in recent years (Table 5).

Same month of previous year: Although September 2011 freight shipments rose 4.4 percent from September 2010 and 11.9 percent from September 2009, they remain below the all-time high for the month of September (111.2) reached in 2006 (Tables 4, 5).

3rd Quarter Changes: The Freight TSI rose 1.2 percent in the third quarter, following one quarterly decline. The index rose in eight of the last nine quarters (Table 10).

The TSI is a seasonally adjusted index that measures changes from the monthly average of the base year of 2000. It includes historic data from 1990 to the present. Release of the October index is scheduled for Dec. 14.

On Sept. 14, BTS presented a [webinar](#) on the Freight TSI and its relationship to the cycles of the general economy. It is available [here](#).

For a video explanation of the TSI, see [Overview of the Transportation Services Index](#). A BTS report explaining the TSI, [Transportation Services Index and the Economy](#), is available for download.

Passenger Index: The TSI for passengers rose 0.9 percent in September from its August level (Table 6). The Passenger TSI September 2011 level of 116.5 was 2.4 percent above the September 2010 level (Table 7). The index is up 5.4 percent in five years and up 45.0 percent in 10 years (Table 5). The passenger TSI rose 0.7 percent in the third quarter, rising for the ninth time in the past 10 quarters (Table 11).

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The passenger TSI measures the month-to-month changes in travel conducted in the for-hire passenger transportation sector. The seasonally adjusted index consists of data from air, local transit and intercity rail.

Combined Index: The combined freight and passenger TSI rose 0.9 percent in September from its August level (Table 8). The combined TSI September 2011 level of 111.4 was 3.9 percent above the September 2010 level (Table 9). The combined index is up 0.4 percent in five years and up 20.3 percent in 10 years despite recent declines (Table 5). The combined TSI rose 1.1 percent in the third quarter, for the ninth consecutive quarterly increase (Table 12). The combined TSI merges the freight and passenger indexes into a single index.

Revisions: TSI numbers for May (Freight, Passenger and Combined) were revised because of revisions in the output data of the component transportation services. The May Freight TSI is 105.2, revised from 105.6 reported in last month's release. The May Passenger TSI is 115.6, revised from 116.3. The May Combined TSI is 107.9, revised from 108.4. The TSI for June, July, August and September are preliminary.

TSI revision policy: TSI is updated monthly with the latest four months' index numbers considered preliminary. Each month BTS releases the latest preliminary TSI, and replaces the oldest preliminary TSI with a revised TSI. More information about the monthly revision policy, is available at <http://www.bts.gov/xml/tsi/src/index.xml>

More information about the comprehensive revision conducted with the March release is provided under 2011 Comprehensive Revision at <http://www.bts.gov/xml/tsi/src/index.xml>.

Table 1: Freight, Passenger and Combined Transportation Services Indexes since March 2011

Percent Change by Month
(Seasonally Adjusted, Monthly Average of 2000 = 100)

	Freight		Passenger		Combined	
	Index	Pct. Change	Index	Pct. Change	Index	Pct. Change
March	108.6	2.0	114.3	0.9	110.1	1.7
April	107.4	-1.0	114.3	-0.1	109.2	-0.8
May ^R	105.2	-2.1	115.6	1.2	107.9	-1.2
June ^P	108.3	3.0	115.7	0.1	110.3	2.2
July ^P	108.3	0.0	117.1	1.2	110.6	0.3
August ^P	108.7	0.4	115.4	-1.4	110.5	-0.1
September^P	109.6	0.9	116.5	0.9	111.4	0.9

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary; R = revised

NOTE: Percent changes based on numbers prior to rounding.

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Table 2: Freight Transportation Services Index Monthly Changes, 2008-2011
Percent change from previous month

	2008 % Change	2009 % Change	2010 % Change	2011 % Change
January	1.8	-2.4	0.5	1.0
February	-0.2	2.8	1.1	-1.4
March	-1.7	-4.0	1.2	2.0
April	0.6	-1.6	0.1	-1.0
May	-0.1	0.3	0.5	(R) -2.1
June	-0.4	1.0	-0.1	(P) 3.0
July	0.2	1.6	0.3	(P) 0.0
August	-1.7	1.5	-0.4	(P) 0.4
September	-1.0	-0.5	1.1	(P) 0.9
October	-1.1	-0.7	0.2	
November	-2.5	2.9	-0.7	
December	-3.6	0.6	2.4	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary; R = revised

Table 2A: Freight Transportation Services Index by Month, 2008-2011

	2008	2009	2010	2011
January	111.8	97.1	101.1	107.9
February	111.6	99.8	102.3	106.4
March	109.6	95.9	103.6	108.6
April	110.3	94.3	103.7	107.4
May	110.2	94.6	104.2	(R) 105.2
June	109.7	95.5	104.0	(P) 108.3
July	109.9	97.1	104.3	(P) 108.3
August	108.1	98.5	103.9	(P) 108.7
September	107.0	98.0	105.0	(P) 109.6
October	105.8	97.3	105.2	
November	103.2	100.1	104.4	
December	99.4	100.7	106.9	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary; R = revised

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Table 3: Freight, Passenger and Combined Transportation Services Indexes Year-to-Date Change, 2002-2011

Percent change from December of previous year
December to September

Year	Freight	Passenger	Combined
2002	4.9	4.4	4.8
2003	-0.1	0.5	0.1
2004	2.0	3.0	2.3
2005	0.5	3.4	1.3
2006	-0.2	1.3	0.3
2007	-1.5	3.2	-0.2
2008	-2.7	-3.2	-2.8
2009	-1.5	-1.0	-1.3
2010	4.3	3.4	4.0
2011^P	2.5	2.8	2.6

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

Table 4: Freight Transportation Services Index from Year-to-Year Percent Change in the September Freight TSI (Monthly average of 2000 = 100)

	September Freight TSI	Percent change from same month previous year
2002	102.6	4.7
2003	104.3	1.7
2004	109.6	5.0
2005	110.7	1.0
2006	111.2	0.5
2007	108.1	-2.8
2008	107.0	-1.1
2009	98.0	-8.4
2010	105.0	7.1
2011^P	109.6	4.4

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

NOTE: Percent changes based on numbers prior to rounding.

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**Table 5: Transportation Services Indexes from Previous Years
Percent Change to 2011 (September to September)**

Since September ...	Duration in years	Freight TSI Percent change to September 2011	Passenger TSI Percent change to September 2011	Combined TSI Percent change to September 2011
2010	1	4.4	2.4	3.9
2009	2	11.9	6.2	10.3
2008	3	2.5	2.7	2.5
2007	4	1.4	-1.2	0.7
2006	5	-1.4	5.4	0.4
2005	6	-1.0	5.8	0.9
2004	7	0.0	12.6	3.5
2003	8	5.1	18.9	8.9
2002	9	6.8	24.2	11.5
2001	10	11.8	45.0	20.3

SOURCE: Bureau of Transportation Statistics

Note: The percent changes to September 2011 are all preliminary.

**Table 6: Passenger Transportation Services Index Monthly Changes, 2008-2011
Percent change from previous month**

	2008 % Change	2009 % Change	2010 % Change	2011 % Change
January	-0.2	-1.0	0.6	0.2
February	1.4	0.5	-2.1	-0.2
March	-1.3	-1.4	2.3	0.9
April	0.0	1.4	0.2	-0.1
May	0.6	-1.7	0.6	(R) 1.2
June	-0.9	0.5	0.8	(P) 0.1
July	-0.1	1.5	-0.2	(P) 1.2
August	-1.3	-0.1	0.2	(P) -1.4
September	-1.4	-0.6	1.0	(P) 0.9
October	-0.8	0.1	0.9	
November	-1.7	-0.1	-0.3	
December	0.1	0.2	-1.0	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary; R = revised

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**Table 7: Passenger Transportation Services Index from Year-to-Year
Percent change in the September Passenger TSI
(Monthly average of 2000 = 100)**

	September Passenger TSI	Percent change from same month previous year
2002	93.8	16.8
2003	98.0	4.4
2004	103.4	5.6
2005	110.1	6.4
2006	110.5	0.4
2007	117.9	6.6
2008	113.4	-3.8
2009	109.7	-3.3
2010	113.7	3.7
2011^P	116.5	2.4

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

NOTE: Percent changes based on numbers prior to rounding.

**Table 8: Combined Transportation Services Index Monthly Changes, 2008-2011
Percent change from previous month**

	2008 % Change	2009 % Change	2010 % Change	2011 % Change
January	1.2	-2.0	0.5	0.7
February	0.2	2.2	0.2	-1.1
March	-1.6	-3.3	1.5	1.7
April	0.4	-0.8	0.1	-0.8
May	0.1	-0.3	0.5	(R) -1.2
June	-0.6	0.9	0.1	(P) 2.2
July	0.1	1.6	0.1	(P) 0.3
August	-1.6	1.1	-0.2	(P) -0.1
September	-1.1	-0.5	1.0	(P) 0.9
October	-1.0	-0.5	0.4	
November	-2.3	2.1	-0.6	
December	-2.6	0.5	1.5	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary; R = revised

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**Table 9: Combined Transportation Services Index from Year-to-Year
Percent change in the September Combined TSI
(Monthly average of 2000 = 100)**

	September Combined TSI	Percent change from same month previous year
2002	99.9	7.9
2003	102.4	2.4
2004	107.7	5.2
2005	110.4	2.5
2006	111.0	0.5
2007	110.7	-0.2
2008	108.7	-1.8
2009	101.0	-7.0
2010	107.3	6.2
2011^P	111.4	3.9

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

NOTE: Percent changes based on numbers prior to rounding.

**Table 10: Freight Transportation Services Index Change by Quarter, 2002-2011
Percent change from the last month of the previous quarter**

Year	1st Quarter (Jan-Mar) % Growth	2nd Quarter (Apr-Jun) % Growth	3rd Quarter (Jul-Sep) % Growth	4th Quarter (Oct-Dec) % Growth
2002	0.9	3.0	1.0	1.8
2003	-0.9	-1.0	1.8	3.0
2004	1.9	0.5	-0.4	0.6
2005	1.4	-0.6	-0.3	0.7
2006	-0.5	0.9	-0.6	-1.3
2007	0.9	-2.2	-0.2	1.6
2008	-0.2	0.1	-2.5	-7.0
2009	-3.6	-0.4	2.6	2.8
2010	2.9	0.5	0.9	1.9
2011	1.5	(P) -0.2	(P) 1.2	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

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Table 11: Passenger Transportation Services Index Change by Quarter, 2002-2011
Percent change from the last month of the previous quarter

Year	1st Quarter (Jan-Mar) % Growth	2nd Quarter (Apr-Jun) % Growth	3rd Quarter (Jul-Sep) % Growth	4th Quarter (Oct-Dec) % Growth
2002	3.8	1.6	-1.0	3.9
2003	-4.0	0.1	4.5	2.5
2004	1.8	2.1	-0.9	2.9
2005	1.9	0.5	0.9	-0.9
2006	2.0	0.1	-0.8	3.3
2007	2.1	0.4	0.7	-0.6
2008	-0.1	-0.3	-2.7	-2.3
2009	-1.9	0.1	0.8	0.3
2010	0.7	1.6	1.0	-0.4
2011	1.0	(P) 1.2	(P) 0.7	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

Table 12: Combined Transportation Services Index Change by Quarter, 2002-2011
Percent change from the last month of the previous quarter

Year	1st Quarter (Jan-Mar) % Growth	2nd Quarter (Apr-Jun) % Growth	3rd Quarter (Jul-Sep) % Growth	4th Quarter (Oct-Dec) % Growth
2002	1.7	2.6	0.4	2.4
2003	-1.7	-0.7	2.6	2.9
2004	1.8	1.0	-0.5	1.2
2005	1.5	-0.2	0.0	0.2
2006	0.2	0.7	-0.7	0.0
2007	1.3	-1.5	0.0	1.0
2008	-0.2	0.0	-2.6	-5.8
2009	-3.1	-0.2	2.1	2.1
2010	2.3	0.8	0.9	1.2
2011	1.4	(P) 0.2	(P) 1.1	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

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Brief Explanation of the TSI

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 industries. The freight index measure changes in freight shipments while the passenger index measures changes in passenger travel.

The TSI tells us how the output of transportation services has increased or decreased from month to month. The index can be examined together with other economic indicators to produce a better understanding of the current and future course of the economy. The movement of the index over time can be compared with other economic measures to understand the relationship of changes in transportation output to changes in Gross Domestic Product (GDP).

The freight transportation index consists of:

For-hire trucking,

Railroad freight services (including rail based intermodal shipments such as containers on flat cars),

Inland waterways transportation,

Pipeline transportation (including principally petroleum and petroleum products and natural gas), and

Air freight.

The index does not include international or coastal waterborne movements, private trucking, courier services, or the US Postal Service.

The passenger transportation index consists of:

Local transit,

Intercity passenger rail, and

Passenger air transportation.

The index does not include intercity bus, sight seeing services, ferry services, taxi service, private automobile usage, or bicycling and other non-motorized transportation.

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