



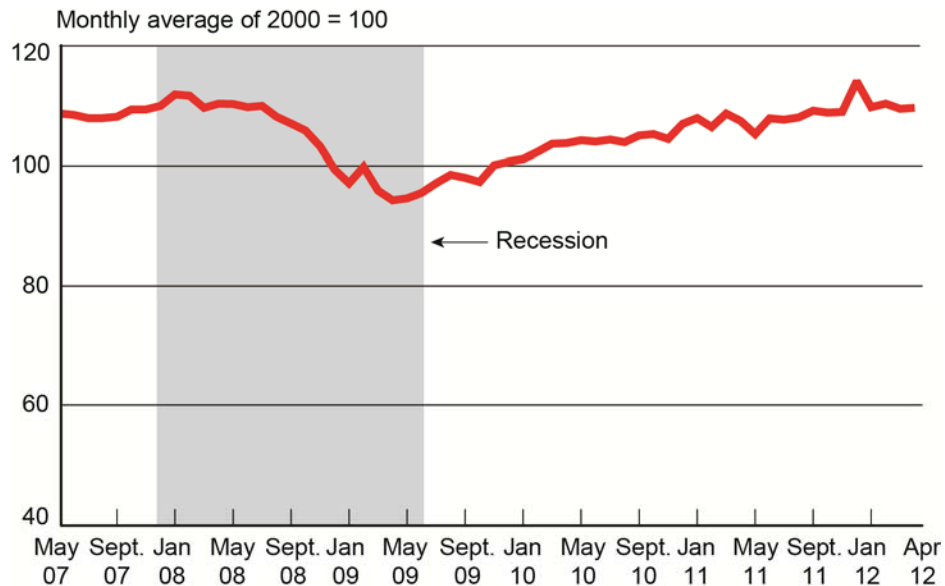
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## BTS Data

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### Freight Shipments Rose 0.2% in April from March

**Five Years: Freight Transportation Services Index, May 2007-April 2012**



The amount of freight carried by the for-hire transportation industry rose 0.2 percent in April from March, rising after a one-month decline, according to the U.S. Department of Transportation's Bureau of Transportation Statistics' (BTS) Freight Transportation Services Index (TSI) released today. The April 2012 level was 16.2 percent above the April 2009 low during the recession (Tables 1, 2A).

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## TRANSPORTATION SERVICES INDEX RELEASE ADD ONE

BTS, a part of the Research and Innovative Technology Administration, reported that the level of freight shipments measured by the Freight TSI, 109.6, declined from December 2011's revised mark of 114.0 which was the all-time high since 1990 when BTS' TSI records began (Table 2A). See historical [TSI data](#).

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.

**Analysis:** The Freight TSI has shown little change since dropping in January from its December peak. The recent plateauing of the freight TSI since January appears to reflect slowing growth in the general economy. [Gross Domestic Product](#) (GDP) growth slowed to 1.9 percent in first quarter of 2012, from 3.0 percent in fourth quarter of 2011, according to the Bureau of Economic Analysis (BEA). Changes in employment and personal income suggest that the slower growth continued in April, which is consistent with the lack of change in the freight TSI. [Personal income](#) grew by only 0.2 percent in April after higher growth in the previous four months, according to BEA, and [total nonfarm employment](#) grew by only 77,000 jobs, down from 143,000 in March, and over 200,000 in each of the prior two months, according to the Bureau of Labor Statistics.

**Trend:** Freight shipments in April 2012 (109.6) were at the fourth highest level since the early recession month of July 2008 despite the 3.8 percent decline from December 2011 (114.0 on the index), which was the highest level in the 22-year history of the series. After dipping to a recent low in April 2009 (94.3) during the recession, freight shipments increased in 24 of the last 36 months, rising 16.2 percent during that period (Tables 2, 2A). For additional historical data, go to <http://www.bts.gov/xml/tsi/src/index.xml>.

**Index highs and lows:** Freight shipments in April 2012 (109.6) rose 16.2 percent from the recent low in April 2009 during the recession (94.3). In April 2009, freight shipments were at their lowest level since June 1997 (92.3). The April 2012 level is down 3.8 percent from the historic freight shipment peak reached in December 2011 (114.0).

**Long-term trend:** Freight shipments are up 0.4 percent in the five years from the pre-recession level of April 2007 and up 10.0 percent in the 10 years from April 2002 despite declines in recent years (Table 5).

**Same month of previous year:** April 2012 freight shipments rose 2.0 percent from April 2011 and 16.2 percent from April 2009, during the recession, but remain below the level in April 2008 (110.3) prior to the recession (Tables 4, 5).

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 May index is scheduled for July 11.

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For a webinar on the TSI, see [Past Webinars](#). 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 0.8 percent in April from its March level (Table 6). The Passenger TSI April 2012 level of 117.6 was 2.9 percent above the April 2011 level (Table 7). The index is up 1.1 percent in five years and up 25.4 percent in 10 years (Table 5). 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 0.4 percent in April from its March level (Table 8). The combined TSI April 2012 level of 111.7 was 2.3 percent above the April 2011 level (Table 9). The combined index is up 0.6 percent in five years and up 14.2 percent in 10 years despite recent declines (Table 5). The combined TSI merges the freight and passenger indexes into a single index.

**Revisions:** TSI numbers for December (Freight, Passenger and Combined) were revised because of revisions in the output data of the component transportation services. The December Freight TSI is 114.0, revised from 113.7 reported in last month's release. The December Passenger TSI is 116.4 revised from 116.3. The December Combined TSI is 114.6, revised from 114.4. The TSI for January, February, March and April 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 BTS revision policies is available at [monthly revision policy](#) and [2011 Comprehensive Revision](#).

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

### Percent Change by Month

(Seasonally Adjusted, Monthly Average of 2000 = 100)

	Freight		Passenger		Combined	
	Index	Pct. Change	Index	Pct. Change	Index	Pct. Change
October	108.8	-0.3	114.8	-0.4	110.4	-0.3
November	108.9	0.1	115.3	0.5	110.6	0.2
December <sup>R</sup>	114.0	4.7	116.4	0.9	114.6	3.6
January <sup>P</sup>	109.7	-3.8	116.4	0.0	111.5	-2.7
February <sup>P</sup>	110.3	0.5	116.1	-0.3	111.8	0.3
March <sup>P</sup>	109.4	-0.8	116.7	0.5	111.3	-0.4
<b>April<sup>P</sup></b>	<b>109.6</b>	<b>0.2</b>	<b>117.6</b>	<b>0.8</b>	<b>111.7</b>	<b>0.4</b>

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary; R = revised

NOTE: Percent changes based on numbers prior to rounding.

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TRANSPORTATION SERVICES INDEX RELEASE  
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**Table 2: Freight Transportation Services Index Monthly Changes, 2009-2012**  
Percent change from previous month

	2009 % Change	2010 % Change	2011 % Change	2012 % Change
January	-2.4	0.5	1.0	(P) -3.8
February	2.8	1.1	-1.4	(P) 0.5
March	-4.0	1.2	2.0	(P) -0.8
<b>April</b>	<b>-1.6</b>	<b>0.1</b>	<b>-1.0</b>	<b>(P) 0.2</b>
May	0.3	0.5	-2.1	
June	1.0	-0.1	2.5	
July	1.6	0.3	-0.2	
August	1.5	-0.4	0.4	
September	-0.5	1.1	1.1	
October	-0.7	0.2	-0.3	
November	2.9	-0.7	0.1	
December	0.6	2.4	(R) 4.7	

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary; R = revised

**Table 2A: Freight Transportation Services Index by Month, 2009-2012**

	2009	2010	2011	2012
January	97.1	101.1	107.9	(P) 109.7
February	99.8	102.3	106.4	(P) 110.3
March	95.9	103.6	108.6	(P) 109.4
<b>April</b>	<b>94.3</b>	<b>103.7</b>	<b>107.4</b>	<b>(P) 109.6</b>
May	94.6	104.2	105.2	
June	95.5	104.0	107.8	
July	97.1	104.3	107.6	
August	98.5	103.9	108.0	
September	98.0	105.0	109.1	
October	97.3	105.2	108.8	
November	100.1	104.4	108.9	
December	100.7	106.9	(R) 114.0	

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, 2003-2012**

Percent change from December to April

<b>Year</b>	<b>Freight</b>	<b>Passenger</b>	<b>Combined</b>
2003	-0.9	-6.8	-2.5
2004	2.4	2.8	2.5
2005	1.8	2.3	1.9
2006	-0.7	2.0	0.1
2007	-0.5	1.8	0.1
2008	0.4	-0.2	0.2
2009	-5.2	-0.6	-3.9
2010	3.0	0.9	2.4
2011	0.5	0.9	0.6
<b>2012<sup>P</sup></b>	<b>-3.8</b>	<b>1.0</b>	<b>-2.5</b>

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

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

	<b>April Freight TSI</b>	<b>Percent change from same month previous year</b>
2003	103.5	3.9
2004	110.0	6.3
2005	112.2	1.9
2006	110.6	-1.4
2007	109.2	-1.3
2008	110.3	1.0
2009	94.3	-14.5
2010	103.7	9.9
2011	107.4	3.7
<b>2012<sup>P</sup></b>	<b>109.6</b>	<b>2.0</b>

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 2012 (April to April)**

Since April ...	Duration in years	Freight TSI Percent change to April 2012	Passenger TSI Percent change to April 2012	Combined TSI Percent change to April 2012
2011	1	2.0	2.9	2.3
2010	2	5.8	6.0	5.8
2009	3	16.2	6.8	13.6
2008	4	-0.6	0.6	-0.3
2007	5	0.4	1.1	0.6
2006	6	-0.9	5.6	0.9
2005	7	-2.3	8.0	0.6
2004	8	-0.4	13.9	3.5
2003	9	5.9	29.3	12.1
2002	10	10.0	25.4	14.2

SOURCE: Bureau of Transportation Statistics

Note: The percent changes to April 2012 are all preliminary.

**Table 6: Passenger Transportation Services Index Monthly Changes, 2009-2012  
Percent change from previous month**

	2009 % Change	2010 % Change	2011 % Change	2012 % Change
January	-1.0	0.6	0.2	(P) 0.0
February	0.5	-2.1	-0.2	(P) -0.3
March	-1.4	2.3	0.9	(P) 0.5
<b>April</b>	<b>1.4</b>	<b>0.2</b>	<b>-0.1</b>	<b>(P) 0.8</b>
May	-1.7	0.6	1.2	
June	0.5	0.8	-0.6	
July	1.5	-0.2	0.1	
August	-0.1	0.2	-1.2	
September	-0.6	1.0	1.4	
October	0.1	0.9	-0.4	
November	-0.1	-0.3	0.5	
December	0.2	-1.0	(R) 0.9	

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 April Passenger TSI  
(Monthly average of 2000 = 100)**

	April Passenger TSI	Percent change from same month previous year
2003	90.9	-3.1
2004	103.3	13.6
2005	108.9	5.4
2006	111.3	2.2
2007	116.3	4.4
2008	116.9	0.5
2009	110.2	-5.8
2010	111.0	0.7
2011	114.3	3.0
<b>2012<sup>P</sup></b>	<b>117.6</b>	<b>2.9</b>

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, 2009-2012  
Percent change from previous month**

	2009 % Change	2010 % Change	2011 % Change	2012 % Change
January	-2.0	0.5	0.7	(P) -2.7
February	2.2	0.2	-1.1	(P) 0.3
March	-3.3	1.5	1.7	(P) -0.4
<b>April</b>	<b>-0.8</b>	<b>0.1</b>	<b>-0.8</b>	<b>(P) 0.4</b>
May	-0.3	0.5	-1.2	
June	0.9	0.1	1.6	
July	1.6	0.1	-0.1	
August	1.1	-0.2	-0.1	
September	-0.5	1.0	1.2	
October	-0.5	0.4	-0.3	
November	2.1	-0.6	0.2	
December	0.5	1.5	(R) 3.6	

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 April Combined TSI  
(Monthly average of 2000 = 100)**

	<b>April Combined TSI</b>	<b>Percent change from same month previous year</b>
2003	99.7	1.9
2004	108.0	8.3
2005	111.1	2.9
2006	110.7	-0.4
2007	111.1	0.3
2008	112.1	0.9
2009	98.4	-12.2
2010	105.6	7.3
2011	109.2	3.5
<b>2012<sup>P</sup></b>	<b>111.7</b>	<b>2.3</b>

SOURCE: Bureau of Transportation Statistics

NOTE: P = preliminary

NOTE: Percent changes based on numbers prior to rounding.

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# TRANSPORTATION SERVICES INDEX RELEASE

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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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