

# FREIGHT

## Freight Shipments To, From, and Within Arizona

The following tables summarize data from the new and improved version of the Freight Analysis Framework (FAF<sup>2</sup>). FAF<sup>2</sup> integrates data from several sources to estimate commodity flows and related freight transportation activity among major metropolitan areas, states, regions, and international gateways. FAF<sup>2</sup> data should not be compared with the original FAF data because estimation methods have been improved and data coverage is more complete. Additional information is available at [www.ops.fhwa.dot.gov/freight/freight\\_analysis/faf](http://www.ops.fhwa.dot.gov/freight/freight_analysis/faf).

### Shipments by Weight: 2002 and 2035 (Millions of Tons)

	2002						2035					
	Within State		From State		To State		Within State		From State		To State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total</b>	123.3	100	49.6	100	91.9	100	251.3	100	139.6	100	200.4	100
<b>Truck</b>	103.0	84	17.1	34	28.8	58	225.0	90	51.0	37	80.7	40
<b>Rail</b>	12.1	10	1.6	3	24.3	3	2.9	1	1.1	<1	54.0	27
<b>Water</b>	<0.1	<1	<0.1	<1	<0.1	<1	<0.1	<1	<0.1	<1	<0.1	<1
<b>Air, air &amp; truck</b>	<0.1	<1	<0.1	<1	<0.1	4	0.2	<1	0.1	<1	0.1	<1
<b>Truck &amp; rail</b>	<0.1	<1	0.1	<1	1.0	2	<0.1	<1	<0.1	<1	2.4	1
<b>Other intermodal<sup>1</sup></b>	<0.1	<1	0.2	<1	0.4	18	0.1	<1	0.3	<1	2.0	1
<b>Pipeline &amp; unknown<sup>2</sup></b>	8.0	7	30.6	62	37.3	15	23.1	9	87.0	62	61.1	30

<sup>1</sup>Other intermodal includes U.S. Postal Service and courier shipments and all intermodal combinations except air and truck; <sup>2</sup>Pipeline and unknown shipments are combined because data on region-to-region flows by pipeline are statistically uncertain. Note: Numbers may not add to totals due to rounding.

### Shipments by Value: 2002 and 2035 (\$ Millions)

	2002						2035					
	Within State		From State		To State		Within State		From State		To State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total</b>	80,668.3	100	73,088.8	100	84,748.6	100	210,188.1	100	143,432.5	100	327,735.5	100
<b>Truck</b>	75,442.4	94	34,235.6	47	49,255.6	58	199,403.8	95	83,245.6	58	204,673.3	62
<b>Rail</b>	388.9	<1	1,577.5	2	2,593.3	3	185.9	<1	1,048.8	<1	5,633.9	2
<b>Water</b>	< 0.1	<1	0.2	<1	0.2	<1	< 0.1	<1	0.4	<1	0.6	<1
<b>Air, air &amp; truck</b>	170.6	<1	15,255.1	21	3,374.3	4	219.5	<1	11,009.3	8	20,215.4	6
<b>Truck &amp; rail</b>	73.8	<1	204.6	<1	1,368.8	2	53.9	<1	28.9	<1	5,456.0	2
<b>Other intermodal<sup>1</sup></b>	1,826.9	2	12,897.0	18	15,235.8	18	3,684.3	2	25,715.3	18	67,794.1	21
<b>Pipeline &amp; unknown<sup>2</sup></b>	2,765.6	3	8,918.8	12	12,920.5	15	6,640.6	3	22,384.2	16	23,962.2	7

<sup>1</sup>Other intermodal includes U.S. Postal Service and courier shipments and all intermodal combinations except air and truck; <sup>2</sup>Pipeline and unknown shipments are combined because data on region-to-region flows by pipeline are statistically uncertain. Note: Numbers may not add to totals due to rounding.

## Top Commodities by Weight and Value: 2002

Tons (millions)			Value (\$ millions)		
Within State	From State	To State	Within State	From State	To State
<b>Total</b> 123.3	<b>Total</b> 49.6	<b>Total</b> 91.9	<b>Total</b> 80,668.3	<b>Total</b> 73,088.8	<b>Total</b> 84,748.6
Gravel 19.8	Coal, n.e.c. <sup>1</sup> 25.0	Coal, n.e.c. <sup>1</sup> 39.0	Mixed freight 18,028.5	Electronics 26,995.0	Electronics 11,703.5
Coal, n.e.c. <sup>1</sup> 12.8	Coal 5.4	Coal 15.5	Machinery 14,906.5	Mixed freight 8,205.2	Coal, n.e.c. <sup>1</sup> 11,406.6
Waste/scrap 10.6	Mixed freight 3.8	Nonmetal min. prods. <sup>2</sup> 4.2	Unknown 6,474.7	Coal, n.e.c. <sup>1</sup> 7,506.5	Machinery 6,455.2
Coal 10.6	Gravel 2.3	Other foodstuffs 4.0	Electronics 4,574.2	Misc. mfg. prods. <sup>4</sup> 4,017.5	Motorized vehicles <sup>4</sup> 5,491.5
Nonmetal min. prods. <sup>2</sup> 9.1	Base metals <sup>3</sup> 1.6	Wood prods. 3.2	Articles-base metal 3,061.1	Machinery 3,857.7	Pharmaceuticals 5,065.2

<sup>1</sup>Coal and petroleum products, not elsewhere classified; <sup>2</sup>Nonmetallic mineral products; <sup>3</sup>Base metal in primary or semi-finished forms and in finished basic shapes; <sup>4</sup>Motorized and other vehicles (including parts).

## Top Trading Partners: 2002

	Tons (millions)		Value (\$ millions)		
	Number	Percent	Number	Percent	
<b>Total</b>	141.5	100	<b>Total</b>	157,837.4	100
Foreign	10.1	7	Foreign	12,160.0	8
CA	40.8	29	CA	40,314.7	26
NM	39.1	28	NM	13,944.6	9
NV	12.6	9	TX	12,750.1	8
CO	12.2	9	NV	9,026.7	6

Note: Numbers may not add to totals due to rounding.

## Top Trading Partners: 2035

	Tons (millions)		Value (\$ millions)		
	Number	Percent	Number	Percent	
<b>Total</b>	340.0	100	<b>Total</b>	471,168.1	100
Foreign	27.6	8	Foreign	77,737.0	16
CA	124.3	37	CA	133,278.6	28
NM	62.2	18	TX	37,626.2	8
CO	38.8	11	NV	32,827.1	7
NV	36.1	11	NM	28,624.3	6

Note: Numbers may not add to totals due to rounding.

## For more information, please contact

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FHWA-HOP-07-013  
EDL 14179



Freight Analysis Framework



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of Transportation

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