

FREIGHT

Freight Shipments To, From, and Within Michigan

The following tables summarize data from the new and improved version of the Freight Analysis Framework (FAF^{2.2}). FAF^{2.2} integrates data from several sources to estimate commodity flows and related freight transportation activity among major metropolitan areas, states, regions, and international gateways. FAF^{2.2} 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.

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
Total	349.3	100	138.9	100	263.6	100	611.1	100	520.2	100	409.0	100
Truck	275.8	79	87.0	63	87.2	33	503.1	82	378.5	73	144.5	35
Rail	6.5	2	16.0	12	40.6	15	3.3	<1	53.4	10	73.8	18
Water	15.3	4	12.3	9	0.3	<1	17.6	3	34.1	7	0.6	<1
Air, air & truck	<0.1	<1	0.1	<1	<0.1	<1	<0.1	<1	0.5	<1	0.1	<1
Truck & rail	<0.1	<1	2.2	2	0.9	<1	<0.1	<1	7.0	1	0.6	<1
Other intermodal¹	4.1	1	8.6	6	4.6	2	1.4	<1	14.7	3	2.1	<1
Pipeline & unknown²	47.5	14	12.7	9	130.1	49	85.6	14	32.0	6	187.1	46

¹Other intermodal includes U.S. Postal Service and courier shipments and all intermodal combinations except air and truck; ²Pipeline 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
Total	231,954.3	100	241,387.7	100	238,487.9	100	520,182.9	100	1,105,156.0	100	430,035.7	100
Truck	209,573.4	90	171,683.8	71	145,209.9	61	471,167.0	91	805,714.9	73	268,375.3	62
Rail	364.5	<1	19,509.2	8	39,954.4	17	502.7	<1	64,521.8	6	70,417.6	16
Water	231.5	<1	354.1	<1	20.9	<1	705.0	<1	2,769.6	<1	38.9	<1
Air, air & truck	14.8	<1	2,125.9	<1	1,350.9	<1	42.4	<1	13,026.3	1	6,856.6	2
Truck & rail	20.8	<1	18,020.8	7	1,703.0	<1	42.8	<1	63,860.2	6	2,022.7	<1
Other intermodal¹	6,458.6	3	19,337.8	8	14,710.0	6	18,220.1	4	128,385.9	12	37,361.7	9
Pipeline & unknown²	15,290.8	7	10,356.1	4	35,538.8	15	29,502.9	6	26,877.4	2	44,963.0	10

¹Other intermodal includes U.S. Postal Service and courier shipments and all intermodal combinations except air and truck; ²Pipeline 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
Total 349.3	Total 138.9	Total 263.6	Total 231,954.3	Total 241,387.7	Total 238,487.9
Gravel 41.1	Coal, n.e.c. ¹ 17.5	Coal, n.e.c. ¹ 94.7	Motor vehicles ² 51,769.9	Motor vehicles ² 80,920.9	Motor vehicles ² 79,953.3
Gasoline 35.2	Motor vehicles ² 13.1	Crude petroleum 33.3	Machinery 41,870.6	Machinery 33,013.6	Machinery 34,387.2
Waste/scrap 30.2	Gravel 12.1	Coal 20.7	Mixed freight 21,256.9	Plastics/rubber 11,511.6	Coal, n.e.c. ¹ 27,008.0
Coal, n.e.c. ¹ 29.3	Base metals ³ 9.5	Motor vehicles ² 17.6	Unknown 11,089.9	Furniture 10,282.8	Base metals ³ 9,409.2
Cereal grains 23.3	Other foodstuffs 9.5	Base metals ³ 13.2	Coal, n.e.c. ¹ 10,181.4	Electronics 10,126.5	Mixed freight 9,325.0

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

Top Trading Partners: 2002

	Tons (millions)		Value (\$ millions)		
	Number	Percent	Number	Percent	
Total	402.5	100	Total	479,875.6	100
Foreign	62.8	16	Foreign	115,061.0	24
OH	69.7	17	OH	61,509.3	13
IN	45.3	11	IL	41,800.5	9
TX	43.9	11	IN	38,513.1	8
IL	31.7	8	WI	22,829.3	5

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

Top Trading Partners: 2005

	Tons (millions)		Value (\$ millions)		
	Number	Percent	Number	Percent	
Total	929.2	100	Total	1,535,191.8	100
Foreign	147.7	16	Foreign	347,951.0	23
OH	138.4	15	OH	161,821.9	11
IN	123.9	13	IL	140,872.3	9
IL	103.4	11	IN	122,170.8	8
LA	72.9	8	CA	62,454.8	4

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

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Freight Analysis Framework



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