

Class I Railroad Statistics

ASSOCIATION OF AMERICAN RAILROADS

MAY 1, 2017

U.S. Class I Railroads

U.S. Class I Railroads are line haul freight railroads with 2015 operating revenue of \$457.91 million or more. The threshold is expected to be lower for 2016, probably around \$447.4. The U.S. Class I railroads in 2017 are: BNSF Railway, CSX Transportation, Grand Trunk Corporation, Kansas City Southern Railway, Norfolk Southern Combined Railroad Subsidiaries, Soo Line Corporation, and Union Pacific Railroad. Two Canadian railroads, CN and Canadian Pacific, have enough revenue that they would be U.S. Class I railroads if they were U.S. companies. Both companies also own railroad systems in the United States that, by themselves, qualify to be Class I railroads. Grand Trunk Corporation consists of almost all of CN's U.S. operations. Soo Line Corporation is all of Canadian Pacific's U.S. operations. Two Mexican railroads, Ferrocarril Mexicano and Kansas City Southern de México, would also be Class I railroads if they were U.S. railroads.

	2015	2016p
Number of Railroads	7	7

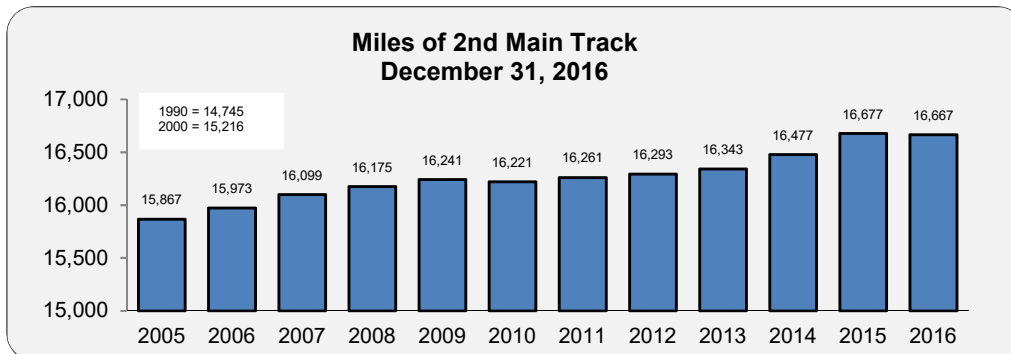
Resources

Miles of Road Operated Less Trackage Rights	93,628	93,339
Miles of Track Operated Less Trackage Rights	160,692	160,141
Miles of High-Density "A" Track Maintained	66,132	63,091
Locomotives in Service	26,574	26,719
Freight Cars in Service, North America (million)	1.61	1.63

Note: High-Density track has a freight density of at least 20 million gross ton-miles per track mile per year. Changes in traffic can cause some track to enter or leave the High-Density category.

Employment

Number of Employees	169,394	152,702
Average Wages (includes bonuses)	\$86,321	\$84,761
Average Total Compensation Including Benefits	\$120,893	n.a.



Class I Railroad Statistics (continued)

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	2014	2015	2016p
Traffic			
Carloads Originated (million, from FCS)	30.22	29.16	27.63
Intermodal Units (million):			
Containers	11.97	12.24	12.31
Trailers	<u>1.53</u>	<u>1.47</u>	<u>1.18</u>
Total (see notes)	13.50	13.71	13.49
Tons Originated (billion)	1.840	1.704	1.554
Ton-miles (revenue ton-miles in trillions)	1.851	1.745	1.585
Operating Statistics			
Freight Revenue Per Ton-Mile	4.054¢	3.952¢	3.989¢
Average Tons Per Carload	60.9	58.4	56.2
Average Tons Per Train	3,606	3,562	3,533
Average Length of Haul (miles)	1006.0	1023.7	1020.6
Financial			
Freight Revenue (billion)	\$75.1	\$69.0	\$63.2
Operating Revenue (billion)	\$77.7	\$71.7	\$65.8
Operating Expense (billion)	\$54.1	\$48.7	\$44.9
Net Income (billion)	\$14.4	\$14.5	\$13.2
Operating Ratio	69.7%	68.0%	68.3%
Return on Average Equity	13.38%	11.85%	9.73%
Return on Year-End Assets	6.86%	6.27%	5.47%

n.a. - not yet available

Notes

Miles of Road is the aggregate length of roadway, excluding yard tracks and sidings, and does not reflect the fact that a mile of road may include two, three, or more parallel tracks. Miles of road operated figures will be higher than mileage owned since more than one railroad can operate the same roadway by having trackage rights. Figures on page 1 include mileage owned by U.S. railroads in Canada. Excluding double-counting for trackage rights, Class I railroads operated in 2012 a total of 95,264 miles of the 138,524 mile network in the United States.

Freight Cars in Service includes any owner in North America. Because Canadian railroads have significant operations in the USA, and non-railroads own a significant number of freight cars, freight car counts herein are for Canada, Mexico, and the U.S. – for all owners.

Carloads, as reported here and in *Freight Commodity Statistics*, include intermodal traffic and will differ from the AAR's *Weekly Railroad Traffic* which segregates intermodal traffic from carloads and does not include Canadian-owned railroads in the U.S. railroad totals. These figures also will not match carloads from the Carload Waybill Sample, which is an estimate (based on a sample) for all railroads in the United States.

Intermodal on this page includes one former Class I railroad and excludes two Canadian-owned Class I railroads. The Class I portion is a subset of other traffic figures herein.

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Type of Freight Carried for Year 2016

Commodity Group	Tons Originated		Gross Revenue**	
	(000)	% of Total	(million)	% of Total
Coal	491,654	31.6 %	\$9,091	13.9 %
Chemicals & allied products	176,235	11.3	9,998	15.3
Farm products	155,977	10.0	6,103	9.3
Non-metallic minerals	154,132	9.9	2,821	4.3
* Misc. mixed shipments	118,887	7.7	8,819	13.5
Food & kindred products	98,823	6.4	5,635	8.6
Refined petroleum & coke	52,711	3.4	2,656	4.1
Metallic ores	51,934	3.3	472	0.7
Metals & products	42,327	2.7	2,228	3.4
Stone, clay & glass products	41,521	2.7	1,706	2.6
Waste & scrap materials	39,556	2.5	1,153	1.8
Pulp, paper & allied prod.	31,268	2.0	2,204	3.4
Lumber & wood products	24,511	1.6	1,917	2.9
Motor vehicles & equip.	22,279	1.4	5,540	8.5
Crude petroleum, nat. gas	20,615	1.3	1,075	1.6
* Apparel & otr finished textiles	4,763	0.3	452	0.7
* Semi-trailers returned empty	4,226	0.3	643	1.0
All other commodities	22,082	1.4	2,907	4.4
Total	1,553,501	100.0 %	\$65,420	100.0 %

* Category is over 99 percent intermodal traffic. Some intermodal traffic is also included in commodity-specific categories. STCC 46, 23, and 422 account for about 70 percent of intermodal tonnage.

** Gross Revenue is not adjusted for absorption (incentive rebates etc.) or correction.

Chemicals herein is STCC 28 plus part of 29. Crude petroleum is STCC 131. Semi-Trailers category is STCC 422.

2016 Class I Railroad Tons Originated

