

DOMINION BUREAU OF STATISTICS  
TRANSPORTATION AND PUBLIC UTILITIES DIVISION  
OTTAWA

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OPERATING REVENUES, EXPENSES & STATISTICS  
RAILWAYS IN CANADA  
WITH ANNUAL OPERATING REVENUES OF  
\$500,000 OR OVER

20-4140

For Twelve Months ended December 31, 1947.

Operating revenues of Canadian railways at \$776,520,384 in 1947 were the second highest on record (exceeded only by the peak war year 1944) and registered an increase of over \$65,134,000 or 9.2 p.c. above 1946. Freight revenues totalled \$602,022,383 - a new all-time high, and were up 14.2 p.c. from \$527,048,096 in 1946, while passenger revenues declined some \$12,346,000 to \$87,128,485 or by 12.4 p.c. Express revenue rose \$2,452,727 while mail was up \$189,223.

Reflecting increases in costs of materials and wages, maintenance of way and structures expenses were 9.4 p.c. heavier at \$132,304,531 compared with \$120,899,410 while maintenance of equipment outlay increased from \$136,193,318 to \$144,345,093 or by 6 p.c. Transportation expenses rose to \$343,928,456 up \$42,152,536 or by 14.0 p.c. Total operating expenses reached \$683,045,372 - the greatest in railway history.

In the income account, hire of equipment, principally for freight cars from American lines, showed a debit of \$13,165,431 compared with \$8,733,824 in 1946 and total operating income declined from \$58,107,279 to \$52,723,507. This compares with \$118,111,506 in 1944 when operating revenues approached comparability and indicates that operating expenses have increased at a much more rapid pace than revenues. Railway taxes during 1947 were \$25,081,766 against \$23,974,185 in 1946, up \$1,707,581.

Tons of freight carried totalled 169,174,660 tons - the largest peacetime volume recorded - and compares with 154,879,308 tons in 1946, an increase of 9.2 p.c., while freight train mileage rose only 5.9 p.c. The average length of haul for revenue freight declined slightly from 356 to 354 miles in 1947 but average tons per loaded freight car mile rose from 29.3 tons to 30.1. Total revenue passengers carried was 38,122,771 against 40,487,660 in 1946. The average number of passengers per train mile dropped from 102 to 83 excluding commuters, and the average passenger journey from 115 to 97 miles.

Ratio of operating expenses to revenues increased from 87.0 in 1946 to 87.9% in 1947. Total pay roll reached an all time high at \$409,244,518 for 173,078 employees on Canadian lines compared with \$377,770,198 for 168,914 employees in 1946.

**CANADIAN NATIONAL RAILWAYS:** Operating revenues of the Canadian lines increased from \$351,701,203 in 1946 to \$377,305,095 or by 7.3 p.c. This gain of some \$25,604,000 reflected increases of \$30,402,346 in freight revenues, \$1,432,236 in express and \$119,271 in mail against declines of \$6,475,214 in passenger revenue and \$418,943 in other passenger train accounts. Freight revenue of \$289,201,479 was the highest on record and compares with \$258,799,135 in 1946 and \$283,308,693 in 1943, the previous high. Operating expenses increased from \$310,311,372 to \$346,901,766 up \$36,590,394 or 11.8 p.c. with transportation charges advancing \$23,150,124 or by 14.5 p.c. to \$185,116,677. Maintenance of way and structures rose \$7,821,505 while maintenance of equipment was up \$5,122,187 over 1946 at \$69,678,104. Hire of equipment advanced \$2,445,393 and taxes \$1,385,967 and despite the record freight traffic, operating income declined from \$35,373,056 in 1946 to \$20,647,543. The United States lines registered considerable improvement over 1946 and a debit in operating income of \$3,814,109 in 1946 was changed to a credit of \$3,063,080 in 1947 due principally to advanced freight rates in the United States. Total operating income for the system was \$23,710,623 against \$31,558,947 in 1946 and does not include interest charges (which were some \$45,000,000 in 1946) and other income items.

**CANADIAN PACIFIC RAILWAY COMPANY:** Operating revenues were \$321,223,099 compared with \$294,545,601 in 1946, an improvement of \$26,677,498 or 9.1 p.c., while operating expenses increased by \$24,745,281 or 9.7 p.c. to \$279,520,795. Freight revenues registered a gain of \$32,328,383 at \$249,866,918 and were up 14.9 p.c. over 1946, but passenger revenue fell \$5,093,150 or 11.3 p.c. from the preceding year. Transportation charges for the year at \$133,952,979 were \$16,055,016 or 13.6 p.c. heavier while maintenance of way and structures increased \$4,285,999 at \$54,776,657 and maintenance of equipment rose \$3,086,323 to \$62,285,265. Taxes were down some \$700,000 and operating income showed a gain of \$2,049,139, rising from \$20,843,050 in 1946 to \$22,892,189 in the year under review. Revenue freight traffic measured in ton miles advanced by 10.8 p.c. while revenue passenger mileage declined 21.7 p.c. Pay roll at \$159,412,263 for 65,400 employees compared with \$147,764,775 for 64,192 in 1946, the average per employee increasing from \$2,302 to \$2,438 or by 6 p.c.



Subject to Revision

OPERATING REVENUES, EXPENSES AND STATISTICS OF CANADIAN RAILWAYS

For Twelve Months ended December 31, 1947

	ALL RAILWAYS		CANADIAN NATIONAL RAILWAYS		CANADIAN PACIFIC RAILWAY CO.	
	1 9 4 7	1 9 4 6	1 9 4 7	1 9 4 6	1 9 4 7	1 9 4 6
<u>OPERATING REVENUES</u>						
Freight	\$ 602,022,383	\$ 527,048,096	\$ 289,201,479	\$ 258,799,133	\$ 249,866,918	\$ 217,538,535
Passenger	87,128,485	99,474,928	39,622,363	46,097,577	39,906,621	44,999,771
Mail	8,694,345	8,505,122	3,830,045	3,710,774	4,172,010	4,170,574
Express	29,934,515	27,481,788	X 20,912,084	X 19,479,846	7,307,324	7,101,565
Other passenger train	9,613,731	10,551,868	3,898,600	4,317,543	5,500,433	5,999,139
Water line	3,117,269	2,673,512	-	-	1,479,893	1,424,371
All other	36,009,656	35,650,885	19,840,524	19,296,330	12,989,900	13,311,646
Total Railway Operating Revenues	776,520,384	711,386,199	X 377,305,095	X 351,701,203	321,223,099	294,545,601
<u>OPERATING EXPENSES</u>						
Maintenance of way and structures	132,304,531	120,899,410	65,492,809	57,671,304	54,776,657	50,492,658
Maintenance of equipment	144,345,093	/ 136,193,318	69,675,104	64,550,917	62,285,265	59,198,942
Traffic	15,065,474	13,735,148	6,849,104	6,331,936	7,073,114	6,405,678
Transportation	343,928,456	301,775,920	183,116,677	159,966,553	133,952,979	117,897,963
Miscellaneous operations	12,619,239	13,514,776	3,950,768	4,357,177	7,224,984	7,879,733
General	34,782,579	32,761,946	17,819,304	17,433,485	14,207,796	12,900,540
Total Railway Operating Expenses	683,045,372	/ 618,880,518	346,901,766	310,311,372	279,520,795	254,775,514
<u>OPERATING INCOME</u>						
Net operating revenue	93,475,012	/ 92,505,681	30,403,329	41,389,831	41,702,304	39,770,087
Railway tax accruals	25,681,766	23,974,185	5,504,975	4,119,008	16,172,935	16,877,264
Hire of equipment	Dr. 13,165,431	Dr. 8,733,824	Dr. 4,368,081	Dr. 1,922,688	Dr. 1,442,876	Dr. 1,150,667
Joint facilities rents	Dr. 1,904,308	Dr. 1,690,393	Cr. 117,270	Cr. 24,921	Dr. 1,194,304	Dr. 899,106
Operating income	52,723,507	/ 58,107,279	20,647,543	35,373,056	22,892,189	20,843,050
<u>OPERATING STATISTICS</u>						
Average miles of road operated	42,549.35	42,562.94	21,729.51	21,741.33	17,034.7	17,036.9
/ No. of tons carried (Rev.Fr.)	169,174,660	154,879,308	71,457,824	66,010,011	59,034,547	51,400,892
No. of tons carried one mile " " Thous.	59,949,934	55,112,431	28,608,088	26,966,941	26,201,731	23,479,533
No. of tons carried one mile (All Fr.) "	65,076,844	/ 59,882,508	31,569,995	29,619,197	28,252,902	25,503,062
Gross ton miles, excl. of locomotive & tender "	138,026,748	128,009,354	66,709,636	62,753,378	58,737,593	53,887,046
No. of revenue passengers carried	38,122,771	40,487,660	19,838,823	20,829,833	14,636,353	15,583,990
No. of revenue passengers carried one mile "	3,699,691	4,620,312	1,695,374	2,103,111	1,665,585	2,126,066





Freight train miles	81,822,912	77,298,582	38,900,869	37,168,712	35,892,237	33,683,991
Passenger train miles	44,753,275	45,144,522	21,515,326	21,716,915	20,030,695	20,230,251
Total Train Miles (rev. and non rev.)	129,630,031	124,965,490	62,122,519	60,394,912	56,860,562	54,672,577
Freight car miles - loaded	2,159,759,956	2,004,997,176	1,059,080,781	996,530,934	904,552,841	828,473,104
Freight car miles - empty	930,824,740	887,427,384	439,421,940	414,226,410	397,636,250	384,319,137
Passenger train car miles	396,209,321	413,848,104	190,343,852	199,623,010	173,531,377	182,089,039
Total amount of pay roll	\$ 409,244,518	3/\$377,770,198	\$ 223,487,966	\$ 205,429,076	\$ 159,412,263	1/\$147,764,775
Number of employees	173,078	168,914	97,531	94,680	65,400	64,192
Pay roll chargeable to rly. operating expenses	\$ 383,535,091	4/\$355,324,813	\$ 206,524,421	\$ 190,932,966	\$ 151,790,688	2/\$140,874,155
<u>DAILY AVERAGES PER MILE OF ROAD OPERATED</u>						
Operating revenue	\$50.00	\$45.79	\$47.57	\$44.32	\$51.66	\$47.37
Operating expenses	\$43.38	4 \$39.84	\$43.74	\$39.10	\$44.36	\$40.97
No. of tons moved one mile (Rev.Fr.)	3,860	3,548	3,607	3,398	4,214	3,776
No. of tons moved one mile (All Fr.)	4,190	4 3,855	3,980	3,732	4,544	4,101
No. of revenue passengers carried one mile	238	297	214	265	268	342
<u>AVERAGES PER FREIGHT TRAIN MILE</u>						
Freight revenue	\$7.36	\$6.82	\$7.43	\$6.96	\$6.96	\$6.46
No. of tons of freight (Rev.Fr.)	733	713	735	726	730	697
No. of tons of freight (All Fr.)	795	775	812	797	787	757
Gross ton miles	1,687	1,656	1,715	1,688	1,636	1,600
Loaded freight cars	26.4	25.9	27.2	26.8	25.2	24.6
Empty freight cars	11.4	11.5	11.3	11.1	11.1	11.4
<u>AVERAGES PER PASSENGER TRAIN MILE</u>						
Passenger train revenues	\$3.02	\$3.23	X \$3.17	X \$3.39	\$2.94	\$3.08
Passengers carried	83	102	79	97	83	105
Passenger cars	8.9	9.2	8.8	9.2	8.7	9.0
Average operating expenses per train mile	\$5.27	\$4.95	\$5.58	\$5.14	\$4.92	\$4.66
Average length of haul (Rev.Fr.) Miles	354	356	400	409	444	457
Average passenger journey Miles	97	114	85	101	114	136
Average tons per loaded freight car mile	30.1	29.9	29.8	29.7	31.2	30.8
Average freight receipt per revenue ton mile	1.004¢	0.956¢	1.011¢	0.960¢	0.954¢	0.927¢
Average passenger receipt per passenger per mile	2.355¢	2.153¢	2.337¢	2.192¢	2.396¢	2.117¢
Ratio of operating pay roll to operating revenues	49.4%	49.9%	54.7%	54.3%	47.3%	47.8%
Ratio of operating expenses to revenues	87.96%	4 87.00%	91.94%	88.23%	87.02%	86.50%

4/ Includes duplications. X Includes gross express revenue.

2/ Includes \$6,178,835 retroactive pay from June - October.

4/ " \$6,178,835 retroactive pay C.P.R." " " not shown in monthly reports.

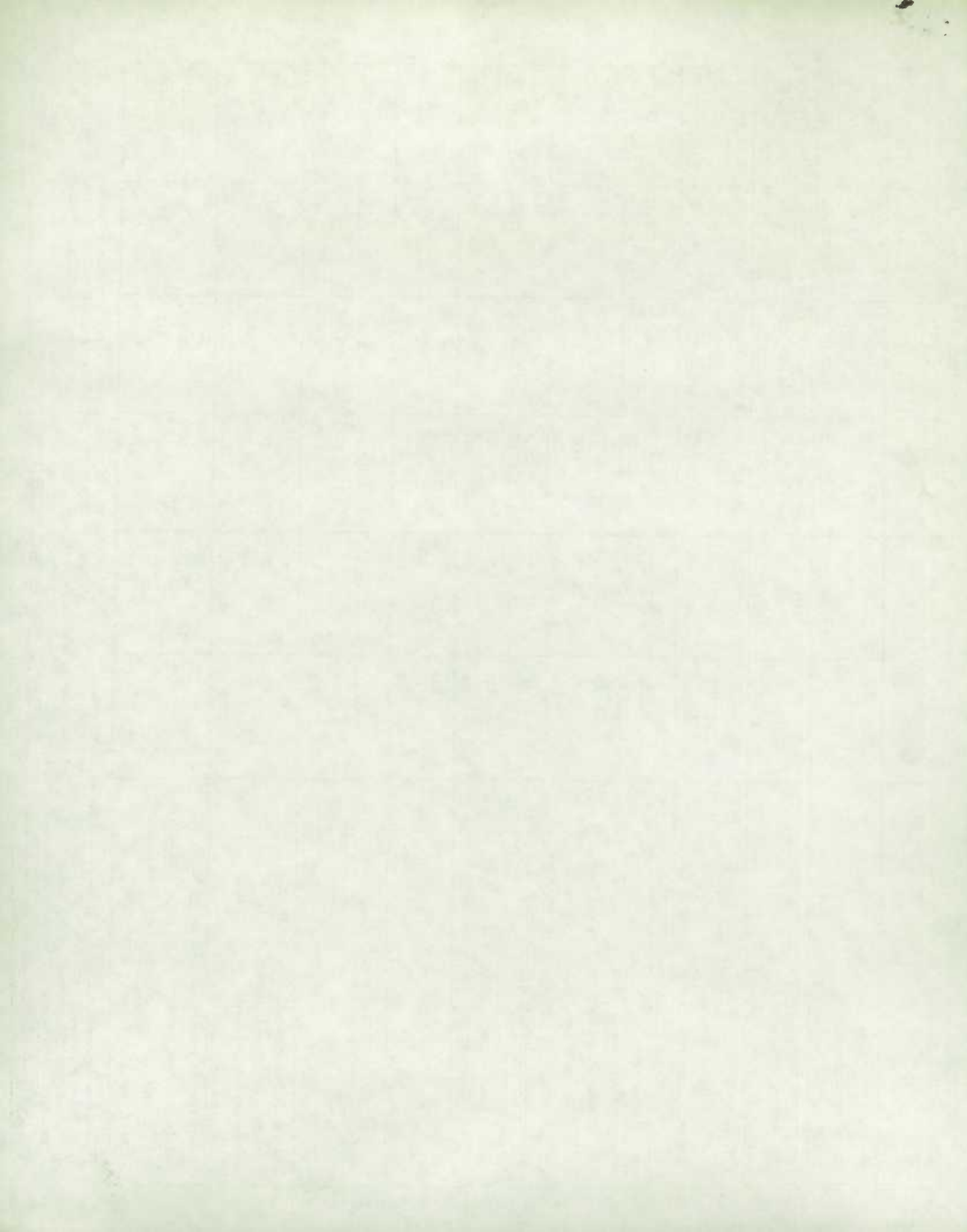
4/ Revised

1/ Includes \$6,242,249 retroactive pay from June - October.

3/ Includes \$6,242,249 retroactive pay C.P.R. from June - October

not shown in monthly reports.

TWELVE MONTHS ENDED DECEMBER 31, 1947.



# CANADIAN NATIONAL SYSTEM

(Steam Lines in Canada and United States)

For Twelve Months ended December, 1947

	1947	1946
<u>OPERATING REVENUES</u>		
Canadian Lines	\$ 377,305,095	\$ 351,701,203
United States Lines	60,892,885	48,884,823
Total	438,197,980	400,586,026
<u>OPERATING EXPENSES</u>		
Canadian Lines	346,901,766	310,311,372
United States Lines	50,220,841	46,925,346
Total	397,122,607	357,236,718
<u>NET OPERATING REVENUE</u>		
Canadian Lines	30,403,329	41,389,831
United States Lines	10,672,044	1,959,477
Total	41,075,373	43,349,308
<u>OPERATING INCOME</u>		
Canadian Lines	20,647,543	35,373,056
United States Lines	3,063,080	Dr. 3,814,109
Total	23,710,623	31,558,947

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