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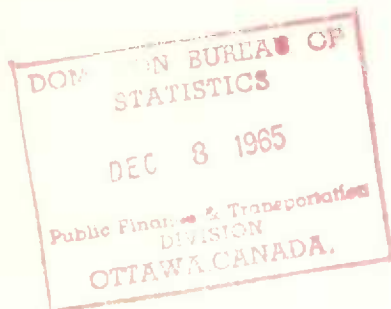
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# RAILWAY TRANSPORT

## 1964

### PART IV

(Operating and Traffic Statistics)

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**RAILWAY TRANSPORT STATISTICS**

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## TABLE OF CONTENTS

	Page
Introduction .....	5
 Table	
1. Summary of Operating and Traffic Statistics 1963 and 1964 .....	6
2. Passenger and Freight Traffic .....	8
3. Passenger Car-miles .....	10
4. Freight Car-miles .....	14
5. Train-miles and Locomotive-miles .....	16
6. Switching Locomotive-miles .....	18
 Charts	
1. Traffic Trends, Common Carrier Railways in Canada, 1954 - 64.....	4
2. Annual Freight Car-miles Hauled, Loaded and Empty 1955-64 .....	4

CHART - 1

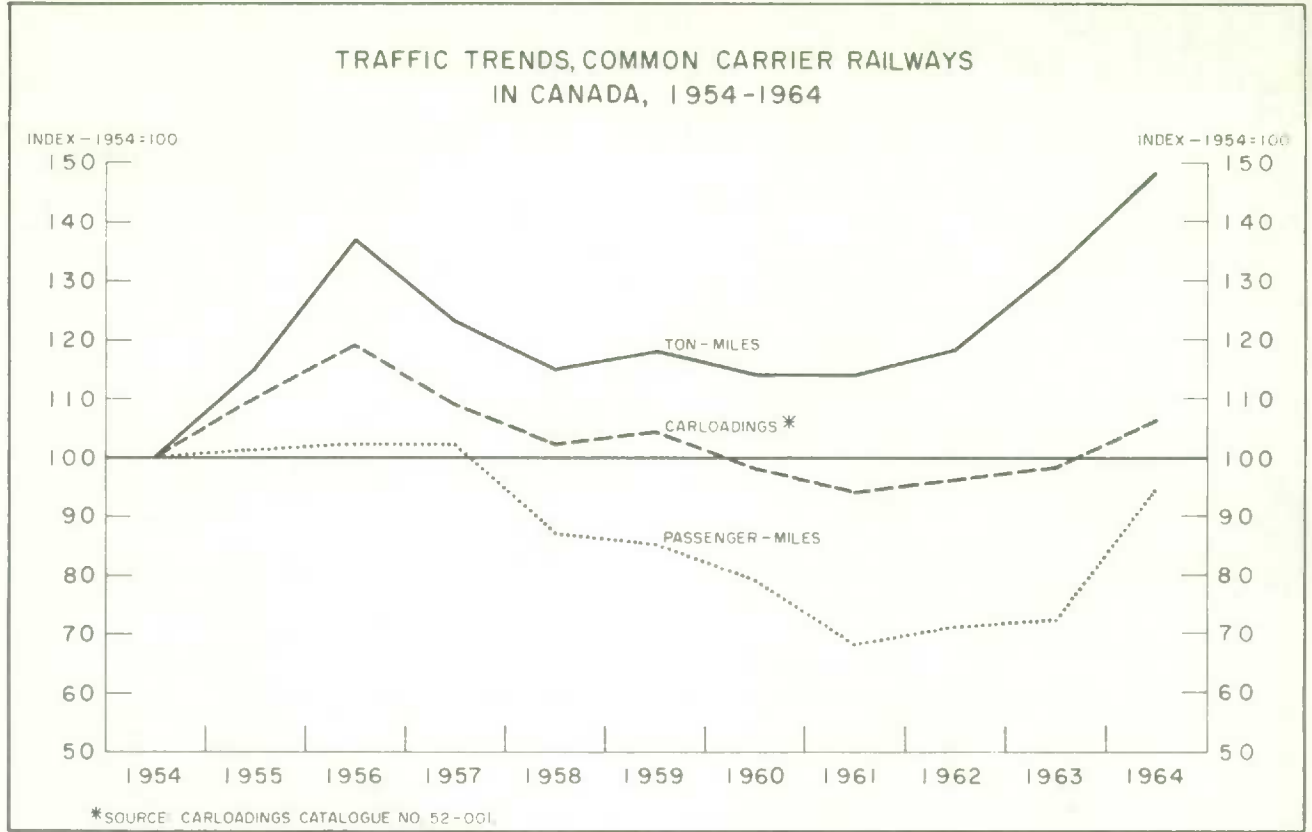
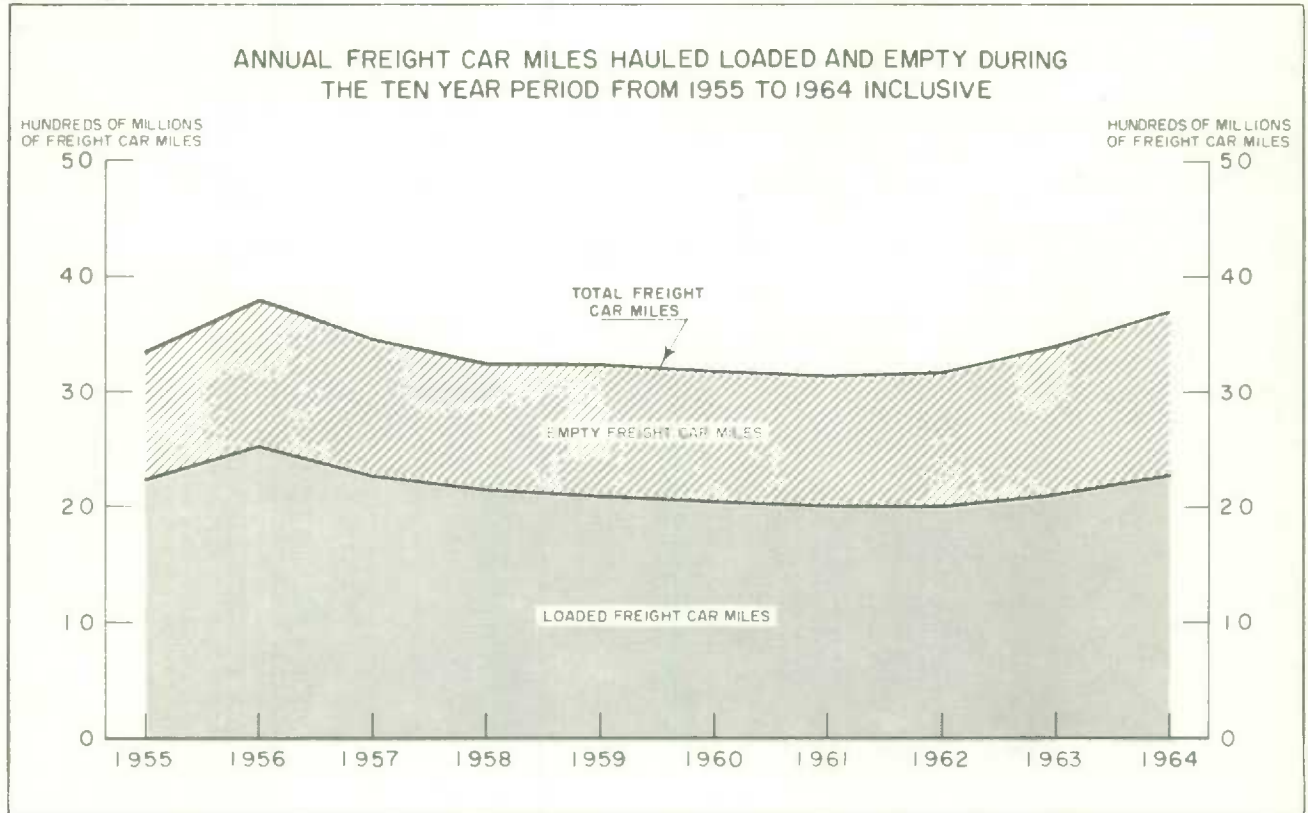


CHART - 2





# RAILWAY TRANSPORT

1964

## PART IV

(Operating and Traffic Statistics)

### Introduction

Presented herein are operating and traffic statistics of common carrier railways in Canada in 1964. Because financial and employee compensation data of the Cartier Railway are not available for Parts II and VI of this six-part annual series, details relating to the physical work done by that railway are shown independently in the last line of each table and excluded from the totals in Parts III, IV, and V of the Railway Transport, Statistics for 1963, as shown in Table 1 of this report, have been restated to exclude the Cartier for purposes of comparison.

The franchises and other properties of the Wabash Railroad Company were leased to the Norfolk and Western Railway Company effective October 16, 1964. This report therefore covers Wabash Railroad operations for the period January 1 to October 15, 1964 and Norfolk and Western Railway operations for the period October 16 to December 31.

The term "common carrier" as used throughout these reports refers to a railway which holds itself out to the general public to transport passengers and/or goods for compensation.

Effective January 1, 1956 the Board of Transport Commissioners for Canada classified all common carriers by railway in Canada into four classes for accounting and statistical purposes: Class I, Canadian National Railways and Canadian Pacific Railway; Class II, other carriers having average gross operating revenues of \$500,000 or more annually; Class III, those having operating revenues of less than \$500,000; and Class IV, other companies such as terminal, bridge, tunnel and pullman companies. In 1964 there were, in addition to the two Class I transcontinental systems, twenty-one Class II carriers, four Class III railways, and seven Class IV carriers.

### Analysis

The number of paying passengers carried by railways in Canada in 1964 totalled 22.9 million, up 11.1 per cent over the previous year and 22.0 per cent over the 1961 low of 18.8 million. The increased interest in rail passenger travel can be credited to fare reductions introduced in 1963, which in some cases lowered fares by as much as 50 per cent depending on the day of travel, and to the extensive efforts being made by the railways to make train services more comfortable, convenient and attractive.

Revenue passenger-miles for 1964 aggregated 2.7 billion, and advancement of 29.7 per cent over 1963 and a 36.8 per cent increase over the 1961 low. Compared with 1963, commutation travel, measured in passenger-miles, was up 6.5 per cent, other coach traffic rose 9.9 per cent and sleeping and parlour car travel increased 35.1 per cent. The average passenger journey in 1964 was 117 miles; 17 miles longer than in the previous year.

Revenue carload and less-than-carload freight carried by railways during the year under review, including traffic interchanged between Canadian

lines, rose 13.1 per cent over 1963 to 187.1 million tons. The principal contributors to this increase in volume were export grain shipments and iron ore. For a complete analysis of commodity data see "Railway Transport, Part V, 1964", Catalogue No. 52-211.

Ton-miles of railway freight in 1964 increased 14.3 per cent to 85.0 billion. This compared with an increase of nine per cent in the Gross National Product. The 1964 volume of freight traffic, in terms of tons moved one mile, was a post war high and a new record for a peacetime year. It exceeded the previous record of 78.8 billion ton-miles set in 1956 by 7.9 per cent.

Statistics of freight train performance reflect trends toward heavier freight loads, longer trains, faster speeds and more powerful motive equipment. In 1964, freight car miles in freight trains (excluding cabooses) totalled 3.7 billion, up 9.9 per cent over the previous year and freight train miles at 66.8 billion were 7.1 per cent greater than in 1963. The average freight train in 1964 was comprised of 56.4 cars (54.8 cars in 1963) and a caboose and on the average 34.1 of the cars (33.3 in 1963) were loaded, while 21.3 (20.5) were empty. Continuing gradual increases in the capacities of modern freight cars and the resultant tendencies to load heavier are evident in train weight figures. In 1964, the gross weight of cars and contents in the average freight train was 2,682 tons, up from 2,571 in 1963. The average net tons per freight train was 1,273 in 1964 compared with 1,210 tons a year earlier. Despite the increased weight in 1964 the average speed of freight trains was a record 20.3 miles-per-hour, up slightly from 20.0 M.P.H. in 1963. The average speed as indicated here is considerably below actual running speeds since it includes time spent picking up and setting out cars, meeting opposing trains, etc.

Gross ton-miles per freight train hour, an index which combines both train load (including the weight of cars and contents) and train speed, averaged 54,466 in 1964, up from 51,404 in 1963. This over-all measure of freight train performance has increased 58 per cent since 1954.

Indicators of freight car utilization show that the average load per freight car in 1964, as measured by the net ton-miles per loaded car mile, was 37.2 net tons, an increase of 1.3 tons over the preceding year and nearly 9 tons over the corresponding average ten years earlier. This average includes carload freight and less-than-carload traffic.

Locomotive miles generated in total transportation service, exclusive of switching, totalled 92.1 million in 1964, up 6.2 per cent over the previous year. During the year under review, 68.0 million, or 73.9 per cent occurred in freight service (63.6 million in 1963), while 24.1 million or 26.1 per cent (23.1 million) were produced in passenger operations. In 1964 diesel power performed 99.7 per cent of all locomotive-miles, while electric motive power accounted for most of the remaining 0.3 per cent. Locomotive-miles generated in road and yard switching services totalled 29.3 million.

**TABLE 1. Summary of Traffic, Car-miles, Train-miles and Locomotive-miles  
1963 and 1964**

	1963 <sup>1</sup>	1964
<b>Passenger and freight traffic:</b>		
Passengers carried .....	20,626,357	22,914,810
Passenger-miles ..... '000	2,067,810	2,681,234
Tons carried—Revenue freight .....	187,067,062	211,508,770
Ton-miles— “ “ ..... '000	74,373,467	85,032,999
Tons carried—Revenue and non-revenue freight .....	198,393,142	219,042,535
Ton-miles— “ “ “ “ “ ..... '000	76,194,147	86,767,613
<b>Gross ton-miles:</b>		
Freight train cars ..... “	158,800,957	179,143,759
Passenger train cars ..... “	19,442,076	20,581,890
<b>Totals</b> ..... “	<b>178,243,033</b>	<b>199,725,649</b>
Train-hours—Freight service .....	3,120,818	3,289,078
<b>Passenger car-miles:</b>		
In passenger trains:		
Self-propelled car .....	10,115,219	10,168,873
Coach (including colonist) .....	59,390,067	66,229,965
Sleeping, parlour and observation .....	71,296,489	85,126,332
Dining .....	14,288,329	19,299,312
Express .....	56,650,321	53,886,162
Other head-end .....	49,689,531	49,311,879
Other .....	1,801,158	1,542,359
<b>Totals</b> .....	<b>263,231,114</b>	<b>285,584,982</b>
In freight trains .....	22,436,445	23,356,401
<b>Grand totals</b> .....	<b>285,667,559</b>	<b>308,941,383</b>
Work train service .....	13,254	1,998
<b>Freight car-miles:</b>		
In freight trains:		
Freight loaded .....	2,088,030,225	2,276,917,484
Freight empty .....	1,282,239,379	1,422,743,681
Caboose .....	64,630,494	69,025,365
<b>Totals</b> .....	<b>3,434,900,098</b>	<b>3,768,686,530</b>
In passenger trains .....	7,351,545	13,702,507
<b>Grand totals</b> .....	<b>3,442,251,643</b>	<b>3,782,389,037</b>
Work train service .....	10,146,836	7,477,104

TABLE 1. Summary of Traffic, Car-miles, Train-miles and Locomotive-miles,  
1963 and 1964 - Concluded

	1963 <sup>1</sup>	1964
<b>Train-miles:</b>		
Freight - Drawn by locomotive .....	62,359,670	66,784,772
Passenger - Drawn by locomotive .....	22,426,461	23,356,785
Drawn by self-propelled car .....	5,813,023	5,273,905
Totals .....	28,239,484	28,630,690
Totals .....	90,599,154	95,415,462
Work train service .....	2,295,352	1,919,893
	92,894,506	97,335,355
<b>Locomotive-miles:</b>		
<b>Diesel:</b>		
Freight .....	63,591,753	68,025,256
Passenger .....	22,813,495	23,782,150
Train switching .....	3,226,244	3,507,194
Yard switching .....	24,939,560	25,733,828
Totals .....	114,571,052	121,048,428
<b>Other:<sup>2</sup></b>		
Freight .....	15,792 <sup>F</sup>	11,895
Passenger .....	270,225	279,028
Train switching .....	11,328 <sup>F</sup>	11,161
Yard switching .....	57,264	27,255
Totals .....	354,609	329,339
<b>Totals:</b>		
Freight .....	63,607,545	68,037,151
Passenger .....	23,083,720	24,061,178
Train switching .....	3,237,572	3,518,355
Yard switching .....	24,996,824	25,761,083
Grand totals .....	114,925,661	121,377,767

<sup>1</sup> Restated to exclude Cartier Railway statistics.

<sup>2</sup> Includes electric and steam.

<sup>F</sup> Revised.

TABLE 2. Passenger and Freight Traffic, 1964

No.	Name of railway	Revenue passengers		Revenue freight	
		Number carried	Passenger-miles	Tons carried	Ton-miles
1	Algoma Central and Hudson Bay .....	47,855	3,950,893	4,639,149	618,491,700
2	Alma and Jonquières .....	—	—	697,939	6,959,000
3	British Columbia Hydro and Power Authority .....	—	—	1,593,222	55,125,510
4	Canada and Gulf Terminal .....	943	38,979	143,201	2,715,971
5	Canada Southern (Lessee N.Y.C.) .....	282,779	50,577,118	8,314,751	1,009,223,182
6	Canadian National .....	14,826,362	1,539,146,609	82,645,587	40,880,365,586
7	Canadian Pacific—Rail .....	6,997,202	1,023,475,000	66,362,475	33,929,696,000
	Water .....	—	—	—	5,433,470
	Totals .....	6,997,202	1,023,475,000	66,362,475	33,935,129,470
9	Chesapeake and Ohio (Père Marquette District) .....	—	—	4,689,390	917,364,000
10	Cumberland .....	—	—	3,380,325	44,077,000
12	Essex Terminal .....	—	—	1,207,583	6,037,000
13	Grand Falls Central .....	—	—	560,454	10,771,000
14	Great Northern .....	110,471	3,757,822	1,083,340	31,816,690
15	Greater Winnipeg Water District .....	2,938	434,726	629,214	22,651,704
18	London and Port Stanley .....	—	—	200,076	3,554,032
19	Maine Central .....	—	—	365,850	1,865,835
20	Midland Railway of Manitoba .....	54,821	3,479,296	175,719	12,549,960
21	Napierville Junction .....	148,485	6,195,927	959,336	25,838,547
22	Norfolk and Western .....	4	4	777,409	158,785,455
23	Northern Alberta .....	27,809	3,576,205	1,531,182	393,047,018
24	Ontario Northland .....	200,143	26,214,258	2,223,388	484,381,545
25	Pacific Great Eastern .....	81,751	11,686,225	2,325,660	716,220,502
27	Quebec North Shore and Labrador .....	10,050	2,436,435	16,453,606	4,818,283,000
28	Roberval and Saguenay .....	—	—	2,852,882	54,646,273
29	St. Lawrence and Adirondack .....	—	—	776,052	20,658,616
31	Toronto, Hamilton and Buffalo .....	94,443	3,541,374	3,884,206	143,715,622
34	Wabash (in Canada) .....	4	4	2,906,720	647,019,543
35	White Pass and Yukon Route (lines in Canada) .....	28,758	2,722,647	130,054	11,705,000
36	Totals—Rail line .....	22,914,810	2,681,233,514	211,508,770	85,027,565,291
	Water line .....	—	—	—	5,433,470
	Totals .....	22,914,810	2,681,233,514	211,508,770	85,032,998,761
	Excluding duplications .....	—	—	190,159,783 <sup>5</sup>	—
8	Cartier .....	9,782	1,859,000	10,163,327	1,941,193,000

<sup>1</sup> Excludes locomotive and tender.<sup>2</sup> Includes contents and cabooses.<sup>3</sup> Includes cars only.



TABLE 2. Passenger and Freight Traffic, 1964

Revenue and non-revenue freight		Gross ton miles <sup>4</sup>			Train hours freight service	No.
Tons carried	Ton-miles	Freight train cars <sup>2</sup>	Passenger train cars <sup>3</sup>	Total		
4,943,343	650,755,756	1,153,459,876	39,542,551	1,193,002,427	26,297	1
697,939	6,959,000	14,032,000	—	14,032,000	4,647	2
1,593,222	55,125,510	113,793,818	—	113,793,818	15,397	3
143,201	2,715,971	5,453,475	735,678	6,189,153	2,520	4
8,376,267	1,013,687,226	2,569,389,601	613,163,676	3,182,553,277	24,387	5
86,702,678	41,887,070,586	87,894,033,000	12,831,836,892	100,725,869,892	1,499,156	6
68,336,824	34,581,092,000	71,069,475,000	6,745,074,000	77,814,549,000	1,440,366	7
—	5,532,502	—	—	—	—	—
68,336,824	34,586,624,502	71,069,475,000	6,745,074,000	77,814,549,000	1,440,366	—
4,750,565	926,168,000	2,121,128,000	69,000	2,121,197,000	29,190	9
3,380,881	44,082,000	90,137,000	—	90,137,000	7,769	10
1,207,583	6,037,000	11,996,000	—	11,996,000	11,161	12
577,630	10,965,000	19,157,000	—	19,157,000	4,968	13
1,094,202	32,331,803	72,422,956	22,011,948	94,434,904	6,503	14
630,189	22,686,804	55,202,004	957,720	56,159,724	8,181	15
200,076	3,554,032	4,463,152	—	4,463,152	6,240	18
365,850	1,865,835	3,889,191	—	3,889,191	1,570	19
175,719	12,549,960	34,587,458	30,558,065	65,145,523	1,923	20
959,352	25,838,627	59,052,000	30,635,000	89,687,000	1,868	21
780,549	159,147,737	382,329,735	52,210	382,381,945	4,175	22
1,570,427	402,707,714	882,614,990	77,618,245	960,233,235	24,517	23
2,267,808	490,829,945	1,045,711,748	65,195,280	1,110,907,028	25,160	24
2,361,394	727,249,496	1,647,273,016	44,124,726	1,691,397,742	43,137	25
17,317,945	4,818,372,541	7,834,700,000	44,552,130	7,879,252,130	37,469	27
2,857,037	54,646,273	86,847,203	—	86,847,203	21,877	28
776,160	20,666,252	53,048,116	2,697	53,050,813	3,228	29
3,920,180	144,047,192	373,632,000	32,510,000	406,142,000	17,503	31
2,919,935	648,705,960	1,522,460,920	229,724	1,522,690,644	15,324	34
135,579	12,202,000	23,470,099	3,020,389	26,490,488	4,545	35
<b>219,042,535</b>	<b>86,762,080,220</b>	<b>179,143,759,358</b>	<b>20,581,889,931</b>	<b>199,725,649,289</b>	<b>3,289,078</b>	<b>36</b>
—	5,532,502	—	—	—	—	—
<b>219,042,535</b>	<b>86,767,612,722</b>	<b>179,143,759,358</b>	<b>20,581,889,931</b>	<b>199,725,649,289</b>	<b>3,289,078</b>	<b>—</b>
197,693,528 <sup>5</sup>	—	—	—	—	—	—
10,171,977	1,942,016,000	2,895,659,400	23,607,600	2,919,267,000	15,447	8

<sup>4</sup> Included with Canadian National Railways.<sup>5</sup> Excludes receipts from Canadian rail connections but includes tonnage handled in intermediate switching.

TABLE 3. Passenger Car-miles, 1964

Name of railway	In trains drawn by	Self-propelled car-miles			Coach (including colonist) car-miles		
		In freight trains	In passenger trains	Total transportation service	In freight trains	In passenger trains	Total transportation service
1. Algoma Central and Hudson Bay .....	Locomotive .....	-	-	-	-	270,060	270,060
2. Alma and Jonquières .....	" .....	-	-	-	-	-	-
3. British Columbia Hydro and Power Authority .....	Self-propelled car .....	-	-	-	-	-	-
4. Canada and Gulf Terminal .....	Locomotive .....	-	-	-	24,333	474	24,807
	Self-propelled car .....	-	79	79	-	-	-
	Totals .....	-	79	79	24,333	474	24,807
5. Canada Southern (Lessee N.Y.C.) .....	Locomotive .....	-	-	-	1,560	1,952,774	1,954,334
6. Canadian National .....	" .....	-	-	-	2,577,190	40,906,234	43,483,424
	Self-propelled car .....	30	3,952,618	3,952,648	-	915,980	915,980
	Totals .....	30	3,952,618	3,952,648	2,577,190	41,822,214	44,399,404
7. Canadian Pacific .....	Locomotive .....	-	393,740	393,740	212,588	20,361,533	20,574,121
	Self-propelled car .....	-	5,143,758	5,143,758	-	-	-
	Totals .....	-	5,537,498	5,537,498	212,588	20,361,533	20,574,121
9. Chesapeake and Ohio (Père Marquette District) .....	Locomotive .....	-	-	-	-	-	-
10. Cumberland .....	" .....	-	-	-	-	-	-
12. Essex Terminal .....	" .....	-	-	-	-	-	-
13. Grand Falls Central .....	" .....	-	-	-	-	-	-
14. Great Northern .....	" .....	-	-	-	-	188,139	188,139
15. Greater Winnipeg Water District .....	" .....	-	-	-	11,408	-	11,408
	Self-propelled car .....	-	26,404	26,404	-	-	-
	Totals .....	-	26,404	26,404	11,408	-	11,408
18. London and Port Stanley .....	Locomotive .....	-	-	-	-	-	-
19. Maine Central .....	" .....	-	-	-	-	-	-
20. Midland Railway of Manitoba .....	" .....	-	-	-	-	144,703	144,703
	Self-propelled car .....	-	48,856	48,856	-	-	-
	Totals .....	-	48,856	48,856	-	144,703	144,703
21. Napierville Junction .....	Locomotive .....	-	-	-	-	150,366	150,366
22. Norfolk and Western .....	" .....	-	-	-	-	-	-
23. Northern Alberta .....	" .....	-	-	-	55,689	210,410	266,099
24. Ontario Northland .....	" .....	-	-	-	223,976	732,667	956,643
25. Pacific Great Eastern .....	" .....	-	-	-	-	-	-
	Self-propelled car .....	-	623,518	623,518	-	-	-
	Totals .....	-	623,518	623,518	-	-	-
27. Quebec North Shore and Labrador .....	Locomotive .....	-	-	-	-	254,201	254,201
28. Roberval and Saguenay .....	" .....	-	-	-	-	-	-
29. St. Lawrence and Adirondack .....	" .....	-	-	-	-	-	-
31. Toronto, Hamilton and Buffalo .....	" .....	-	-	-	-	142,424	142,424
34. Wabash (in Canada) .....	" .....	-	-	-	-	-	-
35. White Pass and Yukon Route (lines in Canada) .....	" .....	-	-	-	-	-	-
36. Totals .....	Locomotive .....	-	393,740	393,740	3,106,744	65,313,985	68,420,729
	Self-propelled car .....	30	9,795,233	9,795,263	-	915,980	915,980
	Totals .....	30	10,188,973	10,189,003	3,106,744	66,229,965	69,336,709
8. Cartier .....	Locomotive .....	-	-	-	-	-	-

TABLE 3. Passenger Car-miles, 1964 - Continued

Name of railway	In trains drawn by	Sleeping, parlour and observation car-miles			Dining car-miles		
		In freight trains	In passenger trains	Total transportation service	In freight trains	In passenger trains	Total transportation service
1. Algoma Central and Hudson Bay .....	Locomotive .....	-	-	-	-	-	-
2. Alma and Jonquières .....	" .....	-	-	-	-	-	-
3. British Columbia Hydro and Power Authority .....	Self-propelled car	-	-	-	-	-	-
4. Canada and Gulf Terminal .....	Locomotive .....	-	-	-	-	-	-
	Self-propelled car	-	-	-	-	-	-
	Totals .....	-	-	-	-	-	-
5. Canada Southern (Lessee N.Y.C.) .....	Locomotive .....	-	1,491,949	1,491,949	-	407,991	407,991
6. Canadian National .....	" .....	168,579	49,268,856	49,437,435	14,307	12,849,067	12,863,374
	Self-propelled car	-	-	-	-	-	-
	Totals .....	168,579	49,268,856	49,437,435	14,307	12,849,067	12,863,374
7. Canadian Pacific .....	Locomotive .....	21,696	33,307,277	33,328,973	-	5,769,922	5,769,922
	Self-propelled car	-	-	-	-	-	-
	Totals .....	21,696	33,307,277	33,328,973	-	5,769,922	5,769,922
9. Chesapeake and Ohio (Père Marquette District) .....	" .....	84	-	84	-	-	-
10. Cumberland .....	" .....	-	-	-	-	-	-
12. Essex Terminal .....	" .....	-	-	-	-	-	-
13. Grand Falls Central .....	" .....	-	-	-	-	-	-
14. Great Northern .....	" .....	2,030	55,027	57,057	-	214	214
15. Greater Winnipeg Water District .....	" .....	-	-	-	-	-	-
	Self-propelled car	-	-	-	-	-	-
	Totals .....	-	-	-	-	-	-
18. London and Port Stanley .....	Locomotive .....	-	-	-	-	-	-
19. Maine Central .....	" .....	-	-	-	-	-	-
20. Midland Railway of Manitoba .....	" .....	-	113,167	113,167	-	-	-
	Self-propelled car	-	-	-	-	-	-
	Totals .....	-	113,167	113,167	-	-	-
21. Napierville Junction .....	Locomotive .....	-	177,198	177,198	-	14,910	14,910
22. Norfolk and Western .....	" .....	-	-	-	-	-	-
23. Northern Alberta .....	" .....	-	-	-	-	-	-
24. Ontario Northland .....	" .....	6,935	578,527	585,462	63,736	137,790	201,526
25. Pacific Great Eastern .....	" .....	-	3,262	3,262	-	466	466
	Self-propelled car	-	-	-	-	-	-
	Totals .....	-	3,262	3,262	-	466	466
27. Quebec North Shore and Labrador .....	Locomotive .....	-	-	-	-	91,212	91,212
28. Roberval and Saguenay .....	" .....	-	-	-	-	-	-
29. St. Lawrence and Adirondack .....	" .....	-	-	-	-	-	-
31. Toronto, Hamilton and Buffalo .....	" .....	-	89,110	89,110	-	27,740	27,740
34. Wahash (in Canada) .....	" .....	-	-	-	-	-	-
35. White Pass and Yukon Route (lines in Canada) .....	" .....	44,551	41,959	86,510	-	-	-
36. Totals .....	Locomotive .....	243,875	85,126,332	85,370,207	78,043	19,299,312	19,377,355
	Self-propelled car	-	-	-	-	-	-
	Totals .....	243,875	85,126,332	85,370,207	78,043	19,299,312	19,377,355
8. Cartier .....	Locomotive .....	181,259	-	181,259	-	-	-

TABLE 3. Passenger Car-miles, 1964 - Continued

Name of railway	In trains drawn by	Express car-miles			Other head-end car-miles		
		In freight trains	In passenger trains	Total transportation service	In freight trains	In passenger trains	Total transportation service
1. Algoma Central and Hudson Bay .....	Locomotive .....	-	161,992	161,992	-	161,993	161,993
2. Alma and Jonquières .....	" .....	-	-	-	-	-	-
3. British Columbia Hydro and Power Authority .....	Self-propelled car .....	-	-	-	-	-	-
4. Canada and Gulf Terminal .....	Locomotive .....	-	-	-	-	-	-
	Self-propelled car .....	-	-	-	-	-	-
	Totals .....	-	-	-	-	-	-
5. Canada Southern (Lessee N.Y.C.) .....	Locomotive .....	678	2,074,526	2,075,204	42,850	4,513,851	4,556,701
6. Canadian National .....	" .....	7,269,340	33,107,071	40,376,411	6,417,878	28,500,227	34,918,105
	Self-propelled car .....	-	-	-	-	-	-
	Totals .....	7,269,340	33,107,071	40,376,411	6,417,878	28,500,227	34,918,105
7. Canadian Pacific .....	Locomotive .....	2,785,114	18,102,454	20,887,568	2,121,195	13,787,164	15,908,359
	Self-propelled car .....	-	-	-	-	-	-
	Totals .....	2,785,114	18,102,454	20,887,568	2,121,195	13,787,164	15,908,359
9. Chesapeake and Ohio (Père Marquette District) .....	Locomotive .....	-	-	-	647	-	647
10. Cumberland .....	" .....	-	-	-	-	-	-
12. Essex Terminal .....	" .....	-	-	-	-	-	-
13. Grand Falls Central .....	" .....	-	-	-	-	-	-
14. Great Northern .....	" .....	-	-	-	11,114	55,361	66,475
15. Greater Winnipeg Water District .....	" .....	-	-	-	-	-	-
	Self-propelled car .....	-	-	-	-	-	-
	Totals .....	-	-	-	-	-	-
18. London and Port Stanley .....	Locomotive .....	-	-	-	-	-	-
19. Maine Central .....	" .....	-	-	-	-	-	-
20. Midland Railway of Manitoba .....	" .....	-	-	-	-	161,576	161,576
	Self-propelled car .....	-	-	-	-	-	-
	Totals .....	-	-	-	-	161,576	161,576
21. Napierville Junction .....	Locomotive .....	54	11,844	11,898	-	85,008	85,008
22. Norfolk and Western .....	" .....	-	-	-	-	-	-
23. Northern Alberta .....	" .....	16,625	368,501	385,126	6,198	183,482	189,680
24. Ontario Northland .....	" .....	-	-	-	337,995	1,187,617	1,525,612
25. Pacific Great Eastern .....	" .....	122,858	-	122,858	-	-	-
	Self-propelled car .....	-	-	-	-	-	-
	Totals .....	122,858	-	122,858	-	-	-
27. Quebec North Shore and Labrador .....	Locomotive .....	-	-	-	-	582,092	582,092
28. Roberval and Saguenay .....	" .....	-	-	-	-	-	-
29. St. Lawrence and Adirondack .....	" .....	58	-	58	-	-	-
31. Toronto, Hamilton and Buffalo .....	" .....	-	59,774	59,774	-	93,418	93,418
34. Wabash (in Canada) .....	" .....	-	-	-	-	-	-
35. White Pass and Yukon Route (lines in Canada) .....	" .....	-	-	-	25,020	90	25,110
36. Totals .....	Locomotive .....	10,194,727	53,886,162	64,080,889	8,962,897	49,311,879	58,274,776
	Self-propelled car .....	-	-	-	-	-	-
	Totals .....	10,194,727	53,886,162	64,080,889	8,962,897	49,311,879	58,274,776
8. Cartier .....	Locomotive .....	62,648	-	62,648	-	-	-

TABLE 3. Passenger Car-miles, 1964 - Concluded

Name of railway	In trains drawn by	Other passenger car-miles			Total passenger car-miles			
		In freight trains	In passenger trains	Total transportation service	In freight trains	In passenger trains	Total transportation service	Work train service
1. Algoma Central and Hudson Bay .....	Locomotive .....	1,391	151,087	152,478	1,391	745,132	746,523	-
2. Alma and Jonquières .....	" .....	-	-	-	-	-	-	-
3. British Columbia Hydro and Power Authority ..	Self-propelled car	-	-	-	-	-	-	-
4. Canada and Gulf Terminal .....	Locomotive .....	-	-	-	24,333	474	24,807	-
	Self-propelled car	-	-	-	-	79	79	-
	Totals .....	-	-	-	24,333	553	24,886	-
5. Canada Southern (Lessee N.Y.C.) .....	Locomotive .....	-	82,682	82,682	45,088	10,523,773	10,568,861	-
6. Canadian National .....	" .....	205,429	731,983	937,412	16,652,723	165,363,438	182,016,161	1,998
	Self-propelled car	-	-	-	30	4,868,598	4,868,628	-
	Totals .....	205,429	731,983	937,412	16,652,753	170,232,036	186,884,789	1,998
7. Canadian Pacific .....	Locomotive .....	323,875	382,507	706,382	5,464,468	92,104,597	97,569,065	-
	Self-propelled car	-	-	-	-	5,143,758	5,143,758	-
	Totals .....	323,875	382,507	706,382	5,464,468	97,248,355	102,712,823	-
9. Chesapeake and Ohio (Père Marquette District)	Locomotive .....	-	-	-	731	-	731	-
10. Cumberland .....	" .....	-	-	-	-	-	-	-
12. Essex Terminal .....	" .....	-	-	-	-	-	-	-
13. Grand Falls Central .....	" .....	-	-	-	-	-	-	-
14. Great Northern .....	" .....	105	2,518	2,623	13,249	301,259	314,508	-
15. Greater Winnipeg Water District .....	" .....	-	-	-	11,408	-	11,408	-
	Self-propelled car	-	-	-	-	26,404	26,404	-
	Totals .....	-	-	-	11,408	26,404	37,812	-
18. London and Port Stanley .....	Locomotive .....	-	-	-	-	-	-	-
19. Maine Central .....	" .....	-	-	-	-	-	-	-
20. Midland Railway of Manitoba .....	" .....	-	808	808	-	420,254	420,254	-
	Self-propelled car	-	-	-	-	48,856	48,856	-
	Totals .....	-	808	808	-	469,110	469,110	-
21. Napierville Junction .....	Locomotive .....	-	-	-	54	439,328	439,380	-
22. Norfolk and Western .....	" .....	1,135	-	1,135	1,135	-	1,135	-
23. Northern Alberta .....	" .....	5,442	17,027	22,469	83,954	779,420	863,374	-
24. Ontario Northland .....	" .....	181,585	173,135	354,720	814,227	2,809,736	3,623,963	-
25. Pacific Great Eastern .....	" .....	-	-	-	122,858	3,728	126,586	-
	Self-propelled car	-	-	-	-	623,518	623,518	-
	Totals .....	-	-	-	122,858	627,246	750,104	-
27. Quebec North Shore and Labrador .....	Locomotive .....	-	-	-	-	927,505	927,505	-
28. Roberval and Saguenay .....	" .....	-	-	-	-	-	-	-
29. St. Lawrence and Adirondack .....	" .....	-	-	-	58	-	58	-
31. Toronto, Hamilton and Buffalo .....	" .....	-	342	342	-	412,808	412,808	-
34. Wabash (in Canada) .....	" .....	4,994	-	4,994	4,994	-	4,994	-
35. White Pass and Yukon Route (lines in Canada)	" .....	46,129	270	46,399	115,700	42,319	158,019	-
36. Totals .....	Locomotive .....	770,085	1,542,359	2,312,444	23,356,371	274,873,769	298,230,140	1,998
	Self-propelled car	-	-	-	30	10,711,213	10,711,243	-
	Totals .....	770,085	1,542,359	2,312,444	23,356,401	285,584,982	308,941,383	1,998
8. Cartier .....	Locomotive .....	51,188	-	51,188	295,095	-	295,095	-

.. Figures not available.



TABLE 4. Freight Car-miles, 1964

Name of railway	In trains drawn by	Freight car-miles - Loaded			Freight car-miles - Empty		
		In freight trains	In passenger trains	Total transportation service	In freight trains	In passenger trains	Total transportation service
1. Algoma Central and Hudson Bay .....	Locomotive .....	12,046,197	—	12,046,197	7,842,750	—	7,842,750
2. Alma and Jonquières .....	" .....	168,720	—	168,720	170,390	—	170,390
3. British Columbia Hydro and Power Authority .....	" .....	1,748,527	—	1,748,527	557,477	—	557,477
4. Canada and Gulf Terminal .....	" .....	236,375	—	236,375	102,857	—	102,857
5. Canada Southern (Lessee N.Y.C.) ..	" .....	34,973,945	49,742	35,023,687	22,161,785	476	22,162,261
6. Canadian National .....	" .....	1,148,437,806	7,550,646	1,155,988,452	721,116,161	197,992	721,314,153
7. Canadian Pacific .....	" .....	910,142,385	3,362,722	913,505,107	544,974,283	505,128	545,479,411
9. Chesapeake and Ohio (Père Marquette District) .....	" .....	26,913,880	—	26,913,880	15,183,759	—	15,183,759
10. Cumberland .....	" .....	787,296	—	787,296	778,019	—	778,019
12. Essex Terminal .....	" .....	147,865	—	147,865	134,965	—	134,965
13. Grand Falls Central .....	" .....	509,021	—	509,021	485,818	—	485,818
14. Great Northern .....	" .....	828,968	—	828,968	682,400	—	682,400
15. Greater Winnipeg Water District .....	" .....	649,548	—	649,548	649,548	—	649,548
18. London and Port Stanley .....	" .....	187,936	—	187,936	5,850	—	5,850
19. Maine Central .....	" .....	42,792	—	42,792	43,095	—	43,095
20. Midland Railway of Manitoba .....	" .....	467,150	—	467,150	356,619	—	356,619
21. Napierville Junction .....	" .....	787,293	—	787,293	675,189	—	675,189
22. Norfolk and Western .....	" .....	5,404,447	—	5,404,447	2,965,237	—	2,965,237
23. Northern Alberta .....	" .....	11,586,356	—	11,586,356	7,999,703	—	7,999,703
24. Ontario Northland .....	" .....	14,205,405	—	14,205,405	11,538,216	—	11,538,216
25. Pacific Great Eastern .....	" .....	24,859,029	—	24,859,029	14,329,667	—	14,329,667
27. Quebec North Shore and Labrador .....	" .....	55,086,809	—	55,086,809	54,292,208	—	54,292,208
28. Roberval and Saguenay .....	" .....	953,702	—	953,702	882,424	—	882,424
29. St. Lawrence and Adirondack .....	" .....	562,789	—	562,789	480,608	—	480,608
31. Toronto, Hamilton and Buffalo .....	" .....	2,861,451	—	2,861,451	2,314,649	—	2,314,649
34. Wabash (in Canada) .....	" .....	21,526,641	—	21,526,641	11,831,411	—	11,831,411
35. White Pass and Yukon Route (lines in Canada) .....	" .....	795,151	—	795,151	188,593	—	188,593
36. Totals .....	Locomotive .....	2,276,917,484	10,963,110	2,287,880,594	1,422,743,681	703,596	1,423,447,277
8. Cartier .....	Locomotive .....	19,822,362	—	19,822,362	19,565,950	—	19,565,950

TABLE 4. Freight Car-miles, 1964 - Concluded

Name of railway	In trains drawn by	Caboose car-miles			Total freight car-miles			
		In freight trains	In passenger trains	Total transportation service	In freight trains	In passenger trains	Total transportation service	Work train service
1. Algoma Central and Hudson Bay .....	Locomotive .....	420,444	-	420,444	20,309,391	-	20,309,391	609,451
2. Alma and Jonquières .....	" .....	14,555	-	14,555	353,665	-	353,665	-
3. British Columbia Hydro and Power Authority .....	" .....	63,638	-	63,638	2,369,642	-	2,369,642	18,139
4. Canada and Gulf Terminal .....	" .....	24,333	-	24,333	363,565	-	363,565	-
5. Canada Southern (Lessee N.Y.C.) .....	" .....	773,375	-	773,375	57,909,105	50,218	57,959,323	59,275
6. Canadian National .....	" .....	35,933,834	742,703	36,676,537	1,905,487,801	8,491,341	1,913,979,142	2,594,519
7. Canadian Pacific .....	" .....	26,847,067	1,261,530	28,108,597	1,481,963,735	5,129,380	1,487,093,115	1,661,994
9. Chesapeake and Ohio (Père Marquette District) .....	" .....	761,577	-	761,577	42,859,216	-	42,859,216	4,129
10. Cumberland .....	" .....	73,136	-	73,136	1,638,451	-	1,638,451	-
12. Essex Terminal .....	" .....	19,764	-	19,764	302,594	-	302,594	-
13. Grand Falls Central .....	" .....	57,157	-	57,157	1,051,996	-	1,051,996	9,887
14. Great Northern .....	" .....	66,517	-	66,517	1,577,885	-	1,577,885	189
15. Greater Winnipeg Water District .....	" .....	43,344	-	43,344	1,342,440	-	1,342,440	-
18. London and Port Stanley .....	" .....	11,700	-	11,700	205,486	-	205,486	-
19. Maine Central .....	" .....	6,876	-	6,876	92,763	-	92,763	-
20. Midland Railway of Manitoba .....	" .....	49,444	-	49,444	873,213	-	873,213	-
21. Napierville Junction .....	" .....	36,080	-	36,080	1,498,562	-	1,498,562	162
22. Norfolk and Western .....	" .....	125,615	-	125,615	8,495,299	-	8,495,299	-
23. Northern Alberta .....	" .....	419,198	31,568	450,766	20,005,257	31,568	20,036,825	247,570
24. Ontario Northland .....	" .....	679,322	-	679,322	26,422,943	-	26,422,943	72,599 <sup>1</sup>
25. Pacific Great Eastern .....	" .....	874,737	-	874,737	40,063,433	-	40,063,433	491,621
27. Quebec North Shore and Labrador .....	" .....	1,021,754	-	1,021,754	110,400,771	-	110,400,771	1,670,904
28. Roberval and Saguenay .....	" .....	52,063	-	52,063	1,888,189	-	1,888,189	-
29. St. Lawrence and Adirondack .....	" .....	62,067	-	62,067	1,105,464	-	1,105,464	-
31. Toronto, Hamilton and Buffalo .....	" .....	135,652	-	135,652	5,311,752	-	5,311,752	36,685
34. Wabash (in Canada) .....	" .....	447,275	-	447,275	33,805,327	-	33,805,327	-
35. White Pass and Yukon Route (lines in Canada) .....	" .....	4,841	-	4,841	988,585	-	988,585	..
36. Totals .....	Locomotive .....	69,025,365	2,035,801	71,061,166	3,768,686,530	13,702,507	3,782,389,037	7,477,104
8. Cartier .....	Locomotive .....	22,254	-	22,254	39,410,566	-	39,410,566	141,087

<sup>1</sup> Estimated.

.. Figures not available.

TABLE 5. Train-miles and Locomotive-miles, 1964

No.	Name of railway	Class of power	Train-miles		
			Freight	Passenger	Total transportation service
1	Algoma Central and Hudson Bay .....	Locomotive .....	420,714	158,656	579,370
2	Alma and Jonquières .....	" .....	28,070	—	28,070
3	British Columbia Hydro and Power Authority .....	" .....	97,048	—	97,048
4	Canada and Gulf Terminal .....	" .....	24,333	474	24,807
		Self-propelled car .....	—	79	79
		Totals .....	24,333	553	24,886
5	Canada Southern (Lessee N.Y.C.) .....	Locomotive .....	693,528	699,726	1,393,252
6	Canadian National .....	" .....	34,764,373	14,939,814	49,704,187
		Self-propelled car .....	—	2,235,158	2,235,158
		Totals .....	34,764,373	17,174,972	51,939,345
7	Canadian Pacific .....	Locomotive .....	25,693,913	6,725,592	32,419,505
		Self-propelled car .....	—	2,625,718	2,625,718
		Totals .....	25,693,913	9,351,310	35,045,223
9	Chesapeake and Ohio (Père Marquette District) .....	Locomotive .....	761,577	—	761,577
10	Cumberland .....	" .....	93,226	—	93,226
12	Essex Terminal .....	" .....	14,410	—	14,410
13	Grand Falls Central .....	" .....	57,157	—	57,157
14	Great Northern .....	" .....	68,562	52,756	121,318
15	Greater Winnipeg Water District .....	" .....	46,640	—	46,640
		Self-propelled car .....	—	26,404	26,404
		Totals .....	46,640	26,404	73,044
18	London and Port Stanley .....	Locomotive .....	33,301	—	33,301
19	Maine Central .....	" .....	6,876	—	6,876
20	Midland Railway of Manitoba .....	" .....	49,178	52,662	101,840
		Self-propelled car .....	—	46,366	46,366
		Totals .....	49,178	99,028	148,206
21	Napierville Junction .....	Locomotive .....	36,080	62,430	98,510
22	Norfolk and Western .....	" .....	123,727	—	123,727
23	Northern Alberta .....	" .....	473,708	166,963	640,671
24	Ontario Northland .....	" .....	679,322	361,537	1,040,859
25	Pacific Great Eastern .....	" .....	879,408	1,228	880,636
		Self-propelled car .....	—	340,180	340,180
		Totals .....	879,408	341,408	1,220,816
27	Quebec North Shore and Labrador .....	Locomotive .....	982,928	91,212	1,074,140
28	Roberval and Saguenay .....	" .....	66,885	—	66,885
29	St. Lawrence and Adirondack .....	" .....	61,328	—	61,328
31	Toronto, Hamilton and Buffalo .....	" .....	137,050	37,093	174,143
34	Wabash (in Canada) .....	" .....	434,614	—	434,614
35	White Pass and Yukon Route (lines in Canada) .....	" .....	56,818	6,642	63,460
36	Totals .....	Locomotive .....	66,784,772	23,356,785	90,141,557
		Self-propelled car .....	—	5,273,905	5,273,905
		Totals .....	66,784,772	28,630,690	95,415,462
8	Cartier .....	Locomotive .....	364,046	—	364,046

TABLE 5. Train-miles and Locomotive-miles, 1964

Train-miles	Locomotive-miles (exclusive of switching)				No.
	Work train service	Type of locomotive	Freight	Passenger	
6,608	Diesel.....	485,987	161,151	647,138	1
-	".....	28,070	-	28,070	2
1,649	".....	97,048	-	97,048	3
-	".....	24,333	474	24,807	4
-	".....	-	-	-	-
5,327	".....	717,819	706,774	1,424,593	5
1,512,008	".....	35,097,471	14,984,944	50,082,415	6
-	Other.....	-	174,760	174,760	-
1,512,008	Totals.....	35,097,471	15,159,704	50,257,175	-
133,525	Diesel.....	25,776,484	6,725,592	32,502,076	7
-	Other.....	-	-	-	-
133,525	Totals.....	25,776,484	6,725,592	32,502,076	-
1,786	Diesel.....	777,890	-	777,890	9
-	".....	93,226	-	93,226	10
-	".....	14,410	-	14,410	12
946	".....	57,157	-	57,157	13
90	".....	68,562	52,756	121,318	14
-	".....	46,640	-	46,640	15
-	".....	-	-	-	-
-	".....	21,406	-	21,406	18
-	Other.....	11,895	-	11,895	-
-	Totals.....	33,301	-	33,301	-
-	Diesel.....	6,876	-	6,876	19
-	".....	49,189	53,037	102,226	20
-	".....	-	-	-	-
162	".....	36,080	64,636	100,716	21
-	".....	124,707	-	124,707	22
62,194	".....	473,756	169,058	642,814	23
-	Other.....	-	104,268	104,268	-
-	Totals.....	473,756	273,326	747,082	-
19,137	Diesel.....	1,403,538	625,698	2,029,238	24
75,634	".....	879,408	1,228	880,636	25
-	".....	-	-	-	-
75,634	".....	-	-	-	-
96,136	".....	982,928	91,212	1,074,140	27
-	".....	66,885	-	66,885	28
-	".....	61,328	-	61,328	29
2,142	".....	138,948	138,948	277,896	31
-	".....	438,227	-	438,227	34
2,549	".....	56,883	6,642	63,525	35
-	Other.....	-	-	-	-
-	Totals.....	56,883	6,642	63,525	-
1,919,893	Diesel.....	68,025,256	23,782,150	91,807,406	36
-	Other.....	11,895	279,028	290,923	-
1,919,893	Totals.....	68,037,151	24,061,178	92,098,329	-
26,903	Diesel.....	384,046	-	384,046	8

TABLE 6. Switching Locomotive-miles, 1964

Name of railway	Type of locomotive	Locomotive-miles - Train switching			Locomotive-miles - Yard switching			Grand total switching locomotive-miles
		Freight	Passenger	Total	Freight	Passenger	Total	
1. Algoma Central and Hudson Bay .....	Diesel .....	-	-	-	90,679	1,602	92,281	92,281
3. British Columbia Hydro and Power Authority .....	" .....	49,643	-	49,643	-	-	-	49,643
	Other .....	11,160	-	11,160	-	-	-	11,160
	Totals .....	60,803	-	60,803	-	-	-	60,803
5. Canada Southern (Lessee N.Y.C.) .....	Diesel .....	20,022	-	20,022	223,066	-	223,066	243,088
6. Canadian National .....	" .....	1,916,734	40,138	1,956,872	11,686,171	1,441,291	13,127,462	15,084,334
	Other .....	-	1	1	15,360	-	15,360	15,361
	Totals .....	1,916,734	40,139	1,956,873	11,701,531	1,441,291	13,142,822	15,099,695
7. Canadian Pacific .....	Diesel .....	1,165,694	9,515	1,175,409	9,012,954	536,262	9,549,216	10,724,625
	Other .....	-	-	-	-	-	-	-
	Totals .....	1,165,694	9,515	1,175,409	9,012,954	536,262	9,549,216	10,724,625
9. Chesapeake and Ohio (Père Marquette District) .....	Diesel .....	3,522	-	3,522	304,948	-	304,948	308,470
10. Cumberland .....	" .....	-	-	-	620,710	-	620,710	620,710
12. Essex Terminal .....	" .....	66,966	-	66,966	-	-	-	66,966
13. Grand Falls Central .....	" .....	-	-	-	19,433	-	19,433	19,433
14. Great Northern .....	" .....	9,743	-	9,743	101,556	4,488	106,044	115,787
16. International Bridge and Terminal Co. ....	" .....	-	-	-	18,305	-	18,305	18,305
18. London and Port Stanley .....	Other .....	-	-	-	11,895	-	11,895	11,895
20. Midland Railway of Manitoba .....	Diesel .....	2,658	-	2,658	23,232	-	23,232	25,890
21. Napierville Junction .....	" .....	-	-	-	-	-	-	-
22. Norfolk and Western .....	" .....	2,512	-	2,512	-	-	-	2,512
23. Northern Alberta .....	" .....	43,346	-	43,346	66,438	-	66,438	109,784
24. Ontario Northland .....	" .....	35,554	-	35,554	113,604	37,865	151,469	187,023
25. Pacific Great Eastern .....	" .....	99,530	-	99,530	235,604	-	235,604	335,134
27. Quebec North Shore and Labrador .....	" .....	5,304	-	5,304	829,026	-	829,026	834,330
28. Roberval and Saguenay .....	" .....	-	-	-	115,439	-	115,439	115,439
29. St. Lawrence and Adirondack .....	" .....	22,430	-	22,430	-	-	-	22,430
31. Toronto, Hamilton and Buffalo .....	" .....	-	-	-	251,155	-	251,155	251,155
34. Wabash (in Canada) .....	" .....	8,265	-	8,265	-	-	-	8,265
35. White Pass and Yukon Route (lines in Canada) .....	" .....	5,406	12	5,418	-	-	-	5,418
36. Totals .....	Diesel .....	3,457,529	49,665	3,507,194	23,712,320	2,021,508	25,733,828	29,241,022
	Other .....	11,160	1	11,161	27,255	-	27,255	38,416
	Totals .....	3,468,689	49,666	3,518,355	23,739,575	2,021,508	25,761,083	29,279,438
8. Cartier .....	Diesel .....	54,825	-	54,825	-	-	-	54,825





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