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# ROAD AND STREET MILEAGE AND EXPENDITURE 1964

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### SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- Ⓟ preliminary figures.
- \* revised figures.

# ROAD AND STREET MILEAGE AND EXPENDITURE

1964

## INTRODUCTION

The surfaced mileage of Canada's roads and streets rose to 350,524 miles in 1964 from the revised 1960 mileage of 306,185. Rigid and flexible paved mileage increased 24.5 per cent to 87,738 from the 70,460 reported five years earlier. Surfaced roads accounted for 72.9 per cent of all roads and streets open to traffic by the end of 1964, of which paved surfaces made up 18.2 per cent and gravelled surfaces 54.7 per cent. The highway, rural road and urban street expenditures tables include information pertaining to domestic toll facilities according to the location of the facilities, whether rural or urban. Revenue data are amalgamated in Table 7.

Municipalities of less than 1,000 population, except those located in census metropolitan or major urban areas, are considered as rural areas and grouped with rural municipalities in this publication. Townships located in census metropolitan areas, rural municipalities with a population of 15,000 or over and improvement districts with a population of 1,000 or over are classified as urban.

Larger municipalities in each province are surveyed each year, but data for smaller localities are obtained by means of a sample. The sample results are expanded to represent all municipalities from which the sample was selected. Due to this method of obtaining data, urban and rural municipality expenditure figures contained in this report have been rounded into thousands of dollars.

Total expenditure on Canadian highways, rural roads and urban streets, including bridges, in the five-year period 1960 to 1964 amounted to \$5.7 billion, of which \$3.8 billion was spent on new construction and major reconstruction work. Of the total, \$4.3 billion or 76.5 per cent was spent on highways and rural roads and bridges and the remaining \$874 million was expended on streets and bridges in urban areas.

Expenditure data reported by most federal and provincial authorities is on a fiscal year basis, April 1 to March 31; all mileage information and expenditures reported by the Railway Grade Crossing Fund and municipalities are on a calendar year basis.

## SUMMARY

### Part I. Mileage

#### Highway and Rural Road Mileage

Total highway and rural road mileage in Canada reported for 1964 decreased to 438,866 miles from 441,418 miles in 1963. Increases were reported in all provinces except Newfoundland, New Brunswick, Ontario, Manitoba, and British Columbia.

The decrease in Newfoundland was due to a refinement in reporting by the provincial authority,

actual figures replacing previous estimated figures, and in Manitoba a complete survey was reported, replacing sampling procedure used in previous years. Decreases in the other provinces were due to reallocation of roads. Quebec data by paved surface classification, not available in 1963, is included in the 1964 report.

A comparison of mileage by surface type is shown below:

Surface type	1963 mileage	1964 mileage	% change
Rigid pavement:			
Concrete surface .....	1,064	1,207	+ 13.4
Bituminous surfaced concrete base .....	1,297	13,765	+ 1
Flexible pavement:			
High cost .....	29,920	30,760	+ 2.8
Low cost .....	14,577	15,945	+ 9.4
<b>Total paved road .....</b>	<b>59,631<sup>1</sup></b>	<b>61,677</b>	<b>+ 3.4</b>
Gravel:			
Surface treated .....	30,056	31,045	+ 3.3
Surface untreated .....	213,617	217,608	+ 1.9
<b>Total surfaced road .....</b>	<b>303,304</b>	<b>310,330</b>	<b>+ 2.3</b>
Earth .....	138,114	128,536	- 6.9
<b>Total road mileage .....</b>	<b>441,418</b>	<b>438,866</b>	<b>- 0.6</b>

<sup>1</sup> Breakdown of paved roads in Québec not available in 1963.



### Urban Street Mileage

Urban street mileage, including public lanes and alleys, open for traffic at December 31, 1964 was 42,177 miles, a decrease of 2.1 per cent from the 43,086 miles reported for 1963. Increases were reported in all provinces except Prince Edward Island, Ontario, Saskatchewan and British Columbia and in the Yukon Territory, which remained the same. Decreases in these provinces may be attributed to variations produced by sampling procedures.

Of the total, 26,061 miles or 61.8 per cent was paved, and 40,194 miles was surfaced, of which 13,847 miles or 32.8 per cent was gravelled. Other

surfaces (wood, brick or cinders) accounted for 286 miles (0.7 per cent), and earth mileage was 1,983 (4.7 per cent).

### Trans-Canada Highway

Table 4 shows authorized federal grants paid or owing to the provinces in the fiscal year ended March 31, 1965.

Table 5 is a breakdown of total Trans-Canada Highway expenditure by province, showing expenditures in National Parks, actual federal payments to the provinces and provincial expenditures.

## Part II. Expenditure and Revenue

### Highway and Rural Road Expenditure

Expenditure on highways and rural roads, including bridges, during 1964 was \$1,100.6 billion, 19.5 per cent higher than the 1963 total of \$921.2 million. Expenditures increased in Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Yukon and N.W. Territories, and declined in the remaining provinces. Most of these changes in expenditures were quite small, with the only significant ones being major increases in Quebec and Ontario. These increases were largely due to accelerated expenditure programmes by provincial departments and by municipalities. Federal expenditures increased in all provinces except Manitoba, Saskatchewan, Alberta and British Columbia. The rise in these expenditures, since 1963, can be attributed to continuing Trans-Canada Highway construction and in the case of Quebec, an accelerated construction programme in preparation for Expo 67.

Construction work accounted for \$754.4 million, for 68.5 per cent of the total \$1,100.6 billion, whereas \$611.6 million was spent on this phase of road work in 1963. Maintenance expenditure increased to \$277.8 million from the \$254.1 reported in 1963, a rise of 9.1 per cent.

Provincial and territorial governments reported a total highway and rural road expenditure of \$874.1 million, including grants to rural municipalities. An additional \$72.5 million was either spent directly on urban streets or paid as grants to urban municipalities, as recorded in Table 8 of this report. The comparable figures for 1963 were \$744.6 and \$74.7 million, respectively.

Federal expenditures also increased in 1964 to \$132.1 million from \$82.3 million in 1963, a rise of 60.7 per cent.

Municipal expenditures on rural roads rose 1.1 per cent to \$90.5 from the \$89.4 million spent in 1963.

### Domestic Toll Bridges, Ferries and Roads

Revenue from tolls increased in 1964 to \$23.9 million from \$22.7 in 1963.

Excluded from this report are statistics of privately-owned ferries and international toll bridges, tunnels and ferries. Annual reports for the latter facilities are published as "International Toll Bridges, Tunnels and Ferries," Catalogue No. 53-202.

### Urban Street Expenditures by Municipalities

In Table 8 data of the total expenditure on streets, bridges and ferries, and sidewalks in urban areas are presented. For Newfoundland, Prince Edward Island, Manitoba, Alberta, British Columbia and the Yukon and Northwest Territories data are only available for municipal authorities. In the remaining provinces urban expenditures by authorities other than urban municipalities are included.

The table attempts to determine the net expenditures incurred by urban municipalities. Where expenditures by other authorities are included, a sum equal to the amount of their expenditures has been added to the grants-in-aid received from the appropriate level of authority, so that the original expenditure will be eliminated from the net expenditure totals.

The expenditures of toll facilities operating in urban areas are included in this table. The only exception to this is in Montreal, where data for that section of the Trans-Canada Highway within the Census Metropolitan Area are not available separately from rural totals, and are therefore included in Table 6.

In 1964 total expenditures on streets, sidewalks, bridges and ferries in urban areas aggregated \$283.0 million. Of this, \$180.2 million or 63.7 per cent was spent on construction; maintenance accounted for \$87.4 million or 30.9 per cent; while the

remaining \$15.3 million was spent on administration and general expenses. Expenditures showed slight increases in Newfoundland, Prince Edward Island, Manitoba, British Columbia and Yukon.

It should be noted that in some cases the expenditures on bridges, ferries, sidewalks and footpaths has had to be included with the street expenditure figures because some municipalities do not have separate expenditure detail for these items.

#### **Railway Grade Crossings**

Expenditure for the elimination and protection of railway grade crossings is shown in Table 9. These expenditures are detailed by province to ar-

rive at figures for the benefiting authority, the source of funds spent on these authorities, and totals. This table is a refinement of tables published prior to 1963 which did not provide the detail of the contributions from the Railway Grade Crossing Fund by benefiting authority. It is of interest to note that the Fund's contribution in 1964 was 76.2 per cent of the total expenditure.

Contributions made from the Railway Grade Crossing Fund, railway and utilities are also included with the highway and rural road expenditure data in Table 6, while provincial and municipal government expenditures are also shown in the provincial totals of either Table 6 or 8, depending on whether the expenditure was rural or urban.

**TABLE 1. Comparative Summary of Total Road and Street Mileage and Expenditure,  
1963 and 1964**

No.		Canada	New- found- land	Prince Edward Island	Nova Scotia	New Brunswick
		miles				
	<b>Mileage</b>					
1	Highway and rural road mileage ..... 1963	441,418	7,437	3,323	15,395	13,209
2	..... 1964	438,866	5,387	3,329	15,426	13,114
3	Urban street mileage ..... 1963	43,086	564	127	1,183	731
4	..... 1964	42,177	596	125	1,198	745
5	<b>Total mileage</b> ..... 1963	<b>484,504</b>	<b>8,001</b>	<b>3,450</b>	<b>16,578</b>	<b>13,940</b>
6	..... 1964	<b>481,043</b>	<b>5,983</b>	<b>3,454</b>	<b>16,624</b>	<b>13,859</b>
		number				
7	Average population per mile of total 1963	39.0	60.1	31.0	45.6	44.0
8	roads and streets. .... 1964	40.4	82.6	31.3	45.8	44.8
	<b>Average number of motor vehicles per miles of:</b>					
9	Paved roads and streets ..... 1963	71.0	92.2	29.2	47.5	67.3
10	..... 1964	72.7	88.5	27.4	48.6	69.6
11	Surfaced roads and streets ..... 1963	17.7	16.0	13.2	18.0	11.3
12	..... 1964	18.2	16.9	12.8	19.4	12.0
13	<b>Total roads and streets</b> ..... 1963	<b>12.5</b>	<b>9.9</b>	<b>10.2</b>	<b>12.8</b>	<b>11.2</b>
14	..... 1964	<b>13.3</b>	<b>14.7</b>	<b>10.2</b>	<b>13.4</b>	<b>11.9</b>
		dollars				
15	Highway and rural road expenditure 1963	921,228,956 <sup>1</sup>	35,468,960	9,033,867	32,675,954	35,068,162
16	..... 1964	1,100,628,717 <sup>1</sup>	55,233,805	9,681,643	35,579,036	42,200,070
17	Urban street expenditure ..... 1963	291,407,000	2,749,000	482,000	6,090,000	3,810,000
18	..... 1964	283,015,000	3,816,000	592,000	6,002,000	4,212,000
19	<b>Total expenditure</b> ..... 1963	<b>1,212,635,956<sup>1</sup></b>	<b>38,217,960</b>	<b>9,515,867</b>	<b>38,765,954</b>	<b>38,878,162</b>
20	..... 1964	<b>1,383,643,717<sup>1</sup></b>	<b>59,049,805</b>	<b>10,273,643</b>	<b>41,581,036</b>	<b>46,412,070</b>
21	<b>Total expenditure per capita</b> ..... 1963	<b>64</b>	<b>79</b>	<b>89</b>	<b>51</b>	<b>63</b>
22	..... 1964	<b>71</b>	<b>120</b>	<b>95</b>	<b>55</b>	<b>75</b>

<sup>1</sup> Includes \$200,000 federal administrative costs, not allocated by provinces, in connection with the Trans-Canada Highway.



TABLE 1. Comparative Summary of Total Road and Street Mileage and Expenditure,  
1963 and 1964

Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories	No.
miles								
54,215	78,238	42,530	124,447	71,793	28,382	1,978	471	1
56,424	78,183	38,487	124,961	72,788	28,268	2,000	499	2
8,332	15,886	2,565	2,459	4,485	6,690	28	36	3
8,364	15,223	2,665	2,429	4,719	6,048	28	37	4
62,547	94,124	45,095	126,906	76,278	35,072	2,006	507	5
64,788	93,406	41,152	127,390	77,507	34,316	2,028	536	6
number								
87.4	68.5	21.1	7.4	18.4	48.3	7.5	47.3	7
87.1	71.8	23.4	7.4	18.7	51.6	7.9	46.6	8
70.0	72.0	71.6	80.4	88.9	68.1	561.2	540.4	9
68.9	77.6	74.5	68.7	87.6	72.5	915.6	561.2	10
26.5	25.2	10.9	7.6	9.4	24.8	3.5	8.8	11
26.3	26.7	12.1	7.3	9.4	27.3	3.8	8.7	12
22.1	24.1	7.2	3.0	7.3	18.9	3.4	8.5	13
22.2	25.5	8.5	3.1	7.5	20.9	3.6	8.4	14
dollars								
246,081,980	286,123,086	35,814,090	47,773,946	78,567,750	107,889,518	4,512,063	2,019,580	15
337,712,457	330,404,191	42,339,177	54,052,981	76,331,362	98,348,346	7,510,303	11,235,346	16
63,281,000	147,307,000	14,306,000	13,648,000	19,558,000	19,913,000	140,000	123,000	17
63,248,000	134,900,000	14,586,000	13,514,000	17,217,000	24,705,000	170,000	53,000	18
309,362,980	433,430,086	50,120,090	61,421,946	98,125,750	127,802,518	4,652,063	2,142,580	19
400,960,457	465,304,191	56,925,177	67,566,981	93,548,362	123,053,346	7,680,303	11,288,346	20
57	67	53	66	70	75	310	89	21
71	70	59	71	65	69	480	452	22

<sup>2</sup> Includes \$190,000 federal administrative costs, not allocated by provinces, in connection with the Trans-Canada Highway.

TABLE 2. Highway and Rural Road Mileage, 1964

No.		Canada	New- found- land	Prince Edward Island	Nova Scotia	New Brunswick
				miles		
	Federal mileage:					
1	Rigid pavement—Concrete surface .....	—	—	—	—	—
2	Bituminous surfaced concrete base .....	3	—	—	—	—
3	Flexible pavement—High cost .....	486	29	21	51	14
4	Low cost .....	279	—	—	3	14
5	<b>Total paved road</b> .....	<b>768</b>	<b>29</b>	<b>21</b>	<b>54</b>	<b>28</b>
6	Gravel—Surface treated .....	106	—	—	—	—
7	Surface untreated .....	3,506	13	9	19	31
8	<b>Total surfaced road</b> .....	<b>4,380</b>	<b>42</b>	<b>30</b>	<b>73</b>	<b>59</b>
9	Earth .....	308	—	—	—	—
10	<b>Total road mileage</b> .....	<b>4,688</b>	<b>42</b>	<b>30</b>	<b>73</b>	<b>59</b>
	Provincial mileage:					
11	Rigid pavement—Concrete surface .....	1,141	—	12	7	—
12	Bituminous surfaced concrete base .....	13,697	—	241	—	—
13	Flexible pavement—High cost .....	29,263	653	861	3,732	1,771
14	Low cost .....	15,061	48	—	—	—
15	<b>Total paved road</b> .....	<b>59,162</b>	<b>701</b>	<b>1,114</b>	<b>3,739</b>	<b>1,771</b>
16	Gravel—Surface treated .....	29,327	—	—	282	2,498
17	Surface untreated .....	194,310	3,680	1,396	6,151	8,781
18	<b>Total surfaced road</b> .....	<b>282,799</b>	<b>4,381</b>	<b>2,510</b>	<b>10,172</b>	<b>13,050</b>
19	Earth .....	114,885	750	688	5,163	—
20	<b>Total road mileage</b> .....	<b>397,684</b>	<b>5,131</b>	<b>3,198</b>	<b>15,335</b>	<b>13,050</b>
	Municipal mileage:					
21	Rigid pavement—Concrete surface .....	66	1	1	—	—
22	Bituminous surfaced concrete base .....	65	—	—	—	—
23	Flexible pavement—High cost .....	1,012	—	42	8	4
24	Low cost .....	605	1	5	—	—
25	<b>Total paved road</b> .....	<b>1,748</b>	<b>2</b>	<b>48</b>	<b>8</b>	<b>4</b>
26	Gravel—Surface treated .....	1,612	25	1	1	1
27	Surface untreated .....	19,791	184	43	9	—
28	<b>Total surfaced road</b> .....	<b>23,151</b>	<b>211</b>	<b>92</b>	<b>18</b>	<b>5</b>
29	Earth .....	13,343	3	9	—	—
30	<b>Total road mileage</b> .....	<b>36,494</b>	<b>214</b>	<b>101</b>	<b>18</b>	<b>5</b>
	Total mileage:					
31	Rigid pavement—Concrete surface .....	1,207	1	13	7	—
32	Bituminous surfaced concrete base .....	13,765	—	241	—	—
33	Flexible pavement—High cost .....	30,760	682	924	3,790	1,789
34	Low cost .....	15,945	49	5	3	14
35	<b>Total paved road</b> .....	<b>61,677</b>	<b>732</b>	<b>1,183</b>	<b>3,800</b>	<b>1,803</b>
36	Gravel—Surface treated .....	31,045	25	1	283	2,499
37	Surface untreated .....	217,608	3,877	1,448	6,180	8,812
38	<b>Total surfaced road</b> .....	<b>310,330</b>	<b>4,634</b>	<b>2,632</b>	<b>10,263</b>	<b>13,114</b>
39	Earth .....	128,536	753	697	5,163	—
40	<b>Total road mileage</b> .....	<b>438,866<sup>1</sup></b>	<b>5,387</b>	<b>3,329</b>	<b>15,426</b>	<b>13,114</b>

<sup>1</sup> Saskatchewan provincial mileage includes rural municipalities and urban places under 1,000 population.

TABLE 2. Highway and Rural Road Mileage, 1964

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
miles								
—	—	—	—	—	—	—	—	1
—	—	—	—	3	—	—	—	2
31	6	34	—	178	122	—	—	3
4	16	—	30	204	4	1	3	4
35	22	34	30	385	126	1	3	5
—	—	—	37	53	16	—	—	6
4	4	60	44	158	760	1,924	480	7
39	26	94	111	596	902	1,925	483	8
—	—	—	44	173	—	75	16	9
39	26	94	155	769	902	2,000	499	10
215	658	233	—	7	9	—	—	11
12,586	867	—	—	—	3	—	—	12
83	10,624	1,977	2,247	3,966	3,349	—	—	13
555	8,824	634	2,736	375	1,889	—	—	14
13,439	20,973	2,844	4,983	4,348	5,250	—	—	15
22,832	844	512	2,148	—	211	—	—	16
9,216	51,999	3,271	45,534	52,013	12,269	—	—	17
45,487	73,816	6,627	52,665	56,361	17,730	—	—	18
9,793	3,881	70	72,141	14,587	7,812	—	—	19
55,280	77,697	6,697	124,806 <sup>1</sup>	70,948	25,542	—	—	20
58	—	—	..	—	6	...	—	21
43	7	9	..	—	6	...	—	22
179	90	52	..	23	614	...	—	23
114	95	83	..	5	302	...	—	24
394	192	144	..	28	928	...	—	25
228	145	985	..	54	172	...	—	26
421	114	17,681	..	676	663	...	—	27
1,043	451	18,810	..	758	1,763	...	—	28
62	9	12,886	..	313	61	...	—	29
1,105	460	31,696	..	1,071	1,824	...	—	30
273	658	233	—	7	15	—	—	31
12,629	874	9	—	3	9	—	—	32
293	10,720	2,063	2,247	4,167	4,085	—	—	33
673	8,935	717	2,766	584	2,195	1	3	34
13,868	21,187	3,022	5,013	4,761	6,304	1	3	35
23,060	989	1,497	2,185	107	399	—	—	36
9,641	52,117	21,012	45,578	52,847	13,692	1,924	480	37
46,569	74,293	25,531	52,776	57,715	20,395	1,925	483	38
9,855	3,890	12,956	72,185	15,073	7,873	75	16	39
56,424	78,183	38,487	124,961 <sup>1</sup>	72,788	28,268	2,000	499	40

<sup>1</sup> Gravel and earth road mileages on Indian reservations not available.

TABLE 3. Urban Street Mileage, 1964<sup>1</sup>

Province	Rigid pavement		Flexible pavement		Total paved streets	
	Concrete surface	Bituminous surfaced concrete base	High cost	Low cost		
	miles					
Newfoundland .....	—	3	238	21	262	
Prince Edward Island .....	7	6	85	—	98	
Nova Scotia.....	30	72	614	69	785	
New Brunswick.....	20	14	449	88	571	
Quebec.....	534	1,873	4,355	278	7,040	
Ontario.....	558	2,012	4,217	2,728	9,515	
Manitoba .....	1,068	125	302	42	1,537	
Saskatchewan .....	6	149	498	108	761	
Alberta.....	30	202	1,569	101	1,902	
British Columbia .....	81	94	2,354	1,049	3,578	
Yukon Territory .....	—	—	7	—	7	
Northwest Territories .....	—	—	5	—	5	
Totals .....	2,334	4,550	14,693	4,484	26,061	
	Gravel		Other surfaces	Total surfaced streets	Earth	Total street mileage
	Surface treated	Surface untreated				
	miles					
Newfoundland .....	94	214	—	570	26	596
Prince Edward Island .....	—	19	—	117	8	125
Nova Scotia.....	77	330	3	1,195	3	1,198
New Brunswick.....	66	72	—	709	36	745
Quebec.....	495	665	17	8,217	147	8,364
Ontario.....	2,506	2,749	132	14,902	321	15,223
Manitoba .....	209	747	2	2,495	170	2,665
Saskatchewan .....	288	830	—	1,879	550	2,429
Alberta.....	412	1,777	74	4,165	554	4,719
British Columbia .....	880	1,368	58	5,884	164	6,048
Yukon Territory .....	—	20	—	27	1	28
Northwest Territories .....	16	13	—	34	3	37
Totals .....	5,043	8,804	286	40,194	1,983	42,177

<sup>1</sup> Includes public lanes and alleys.

**TABLE 4. Authorized Federal Grants for Trans-Canada Highway Expenditures Reported by Provinces for Fiscal Year, April 1, 1964 to March 31, 1965**

	Federal grants
	dollars
Newfoundland .....	25,803,033
Prince Edward Island .....	1,425,025
Nova Scotia .....	4,852,126
New Brunswick .....	8,495,949
Quebec .....	30,832,458
Ontario .....	2,617,937
Manitoba .....	200,682
Saskatchewan.....	26,064
Alberta .....	95,768
British Columbia.....	3,455,116
<b>Totals .....</b>	<b>77,804,158</b>

**TABLE 5. Trans-Canada Highway Expenditure, Fiscal Year April 1, 1964 to March 31, 1965**

Province	Federal expenditures in National Parks	Federal grants to provinces for expenditure in 1964-65	Provincial expenditure excluding federal grants	Total Trans-Canada highway expenditures
	dollars			
Newfoundland .....	32,400	22,765,152	7,620,146	30,417,698
Prince Edward Island.....	—	1,107,934	475,428	1,583,362
Nova Scotia .....	—	4,714,203	964,850	5,679,053
New Brunswick .....	—	8,046,358	2,028,962	10,075,320
Quebec .....	—	32,048,994	55,361,259	87,410,253
Ontario .....	—	3,689,809	1,901,887	5,591,696
Manitoba .....	—	208,581	945,441	1,154,022
Saskatchewan.....	—	38,624	— 1,736	36,888
Alberta .....	146,608	95,768	— 95,768	146,608
British Columbia .....	190,196	3,369,689	4,925,807	8,485,692
<b>Total expenditures .....</b>	<b>369,204</b>	<b>76,085,112</b>	<b>74,126,276</b>	<b>150,770,592<sup>1</sup></b>

<sup>1</sup> Includes \$190,000 federal administrative costs, not allocated by provinces in connection with the Trans-Canada Highway.



TABLE 6. Highway and Rural Road Expenditure, 1964<sup>1</sup>

No.		Canada	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
	<b>Federal expenditures:</b>					
1	Construction .....	22,189,305	866,834	679,816	420,890	1,022,021
2	Maintenance .....	15,752,637	42,429	24,348	82,438	39,950
3	Administration and general .....	2,135,171	2,000	5,300	23,000	3,269
4	Net subsidies and grants-in-aid (Paid +, Received -) .....	+ 92,067,681	+ 26,796,200	+ 2,319,978	+ 5,255,626	+ 9,883,510
5	<b>Totals<sup>2</sup></b> .....	<b>132,137,794<sup>3</sup></b>	<b>27,707,463</b>	<b>3,029,442</b>	<b>5,781,954</b>	<b>10,948,750</b>
	<b>Provincial expenditures:</b>					
6	Construction .....	640,184,937	42,556,257	5,915,626	19,408,495	25,977,505
7	Maintenance .....	195,175,154	10,957,476	2,679,989	13,733,910	13,594,430
8	Administration and general .....	55,516,165	644,662	261,096	1,882,174	1,532,745
9	Net subsidies and grants-in-aid (Paid +, Received -) .....	- 16,732,906	- 26,641,053	- 2,228,490	- 5,541,324	- 9,853,360
10	<b>Totals</b> .....	<b>874,143,350</b>	<b>27,517,342</b>	<b>6,628,221</b>	<b>29,483,255</b>	<b>31,251,320</b>
	<b>Municipal expenditures:</b>					
11	Construction .....	90,847,000	11,000	63,000	-	-
12	Maintenance .....	66,866,000	125,000	45,000	-	-
13	Administration and general .....	10,745,000	-	-	-	-
14	Net subsidies and grants-in-aid (Paid +, Received -) .....	- 77,991,000	- 127,000	- 87,000	+ 214,000	-
15	<b>Totals</b> .....	<b>90,467,000</b>	<b>9,000</b>	<b>21,000</b>	<b>214,000</b>	<b>-</b>
	<b>Other expenditures:</b>					
16	Construction .....	1,224,348	28,147	7,468	28,129	30,150
17	Maintenance .....	-	-	-	-	-
18	Administration and general .....	-	-	-	-	-
19	Net subsidies and grants-in-aid (Paid +, Received -) .....	+ 2,656,225	- 28,147	- 4,488	+ 71,698	- 30,150
20	<b>Totals<sup>6</sup></b> .....	<b>3,880,573</b>	<b>-</b>	<b>2,980</b>	<b>99,827</b>	<b>-</b>
	<b>Total expenditures:</b>					
21	Total construction <sup>2,6</sup> .....	754,438,590	43,462,238	6,665,910	19,857,514	27,029,676
22	Total maintenance .....	277,793,791	11,124,905	2,749,337	13,816,348	13,634,380
23	Total administration and general .....	68,396,336 <sup>3</sup>	646,662	266,396	1,905,174	1,536,014
24	<b>Grand total expenditures<sup>2,6</sup></b> .....	<b>1,100,628,717<sup>3</sup></b>	<b>55,233,805</b>	<b>9,681,643</b>	<b>35,579,036</b>	<b>42,200,070</b>

<sup>1</sup> Includes expenditures of rural toll facilities only. Urban toll expenditures are included in Table 8.<sup>2</sup> Includes payments for railway grade crossing from Railway Grade Crossing Fund, allocated by provinces as in Table 9.<sup>3</sup> Includes \$190,000 of federal administrative costs, not allocated by provinces, in connection with the Trans-Canada Highway.TABLE 7. Revenue Earned by Domestic Toll Facilities, 1964<sup>1</sup>

No.		Canada	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
1	Domestic toll bridges, tunnels and ferries <sup>2</sup> .....	17,452,789	40,896	...	1,883,007	...
2	Limited access toll highways .....	5,459,228	...	...	...	...
3	Licences for travel in National Parks .....	1,014,135	-	-	-	-
4	<b>Total revenues</b> .....	<b>23,926,152</b>	<b>40,896</b>	<b>-</b>	<b>1,883,007</b>	<b>-</b>

<sup>1</sup> Includes revenue from urban and rural domestic toll facilities.

TABLE 6. Highway and Rural Road Expenditure, 1964<sup>1</sup>

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
3,471,384	7,212,949	745,236	337,951	1,253,487	2,108,059	1,703,712	2,359,966	1
154,762	288,026	86,294	158,575	665,927	2,312,357	3,022,151	8,875,380	2
15,000	—	—	—	90,429	977,828	1,018,345	—	3
+ 33,110,891	+ 5,838,781	+ 983,946	+ 786,470	+ 1,232,902	+ 4,596,601	+ 1,262,776	—	4
<b>36,752,037</b>	<b>13,339,756</b>	<b>1,815,476</b>	<b>1,282,996</b>	<b>3,242,745</b>	<b>9,994,845</b>	<b>7,006,984</b>	<b>11,235,346<sup>4</sup></b>	5
247,513,384	155,454,117	25,183,035	18,083,148	41,313,075	58,172,176	608,119	—	6
66,126,242	36,235,857	5,474,505	8,015,069	10,211,569	27,092,511	1,053,596	—	7
6,085,420	36,291,812	2,092,593	2,275,540	783,314	3,562,429	104,380	—	8
- 25,948,357	+ 45,097,443	+ 1,201,032	+ 5,976,496	+ 6,368,098	- 3,900,615	- 1,262,776	—	9
<b>293,776,689</b>	<b>273,079,229</b>	<b>33,951,165</b>	<b>34,350,253</b>	<b>58,676,056</b>	<b>84,926,501</b>	<b>503,319</b>	—	10
2,933,000	50,928,000	4,564,000	19,790,000	10,588,000	1,970,000	—	—	11
10,165,000	36,290,000	2,514,000	4,544,000	11,321,000	1,862,000	—	—	12
1,114,000	7,060,000	1,570,000	830,000	—	171,000	—	—	13
- 7,326,000	- 53,316,000	- 2,409,000	- 6,763,000	- 7,601,000	- 576,000	—	—	14
<b>6,886,000</b>	<b>40,962,000</b>	<b>6,239,000</b>	<b>18,401,000</b>	<b>14,308,000</b>	<b>3,427,000</b>	—	—	15
134,265	643,430	109,514	18,698	104,561	119,986	—	—	16
—	—	—	—	—	—	—	—	17
—	—	—	—	—	—	—	—	18
+ 163,466	+ 2,379,776	+ 224,022	+ 34	—	- 119,986	—	—	19
<b>297,731</b>	<b>3,023,206</b>	<b>333,536</b>	<b>18,732</b>	<b>104,561</b>	—	—	—	20
254,052,033	214,238,496	30,601,785	38,229,797	53,259,123	62,370,221	2,311,831	2,359,966	21
76,446,004	72,813,883	8,074,799	12,717,644	22,198,496	31,266,868	4,075,747	8,875,380	22
7,214,420	43,351,812	3,662,593	3,105,540	873,743	4,711,257	1,122,725	—	23
<b>337,712,457</b>	<b>330,404,191</b>	<b>42,339,177</b>	<b>54,052,981</b>	<b>76,331,362</b>	<b>98,348,346</b>	<b>7,510,303</b>	<b>11,235,346</b>	24

<sup>1</sup> Includes minor territorial government expenditures.<sup>2</sup> Included in maintenance.<sup>3</sup> Includes payments for railway grade crossings by railways and utilities, allocated by provinces as in Table 9.TABLE 7. Revenue Earned by Domestic Toll Facilities, 1964<sup>1</sup>

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
1,055,829	1,488,496	—	...	...	12,984,561	...	...	1
5,459,228	...	...	...	...	...	...	...	2
...	36,634	41,172	12,410	611,608	312,311	...	...	3
<b>6,515,057</b>	<b>1,525,130</b>	<b>41,172</b>	<b>12,410</b>	<b>611,608</b>	<b>13,296,872</b>	...	...	4

<sup>1</sup> For revenues from international facilities see "International Toll Bridges, Tunnels and Ferries" report.

TABLE 8. Urban Street Expenditure by Municipalities, 1964

No.		Canada	New-found-land	Prince Edward Island	Nova Scotia
		dollars			
	Construction:				
1	New .....	144,343,000	804,000	244,000	1,751,000 <sup>1</sup>
2	Reconstruction .....	35,895,000	1,238,000	—	1,152,000 <sup>1</sup>
3	<b>Total construction</b> .....	<b>180,238,000</b>	<b>2,042,000</b>	<b>244,000</b>	<b>2,903,000<sup>1</sup></b>
	Maintenance:				
4	Repairs and minor improvements .....	47,043,000	930,000	231,000	1,546,000 <sup>1</sup>
5	Sanding, snow removal .....	40,405,000	638,000	117,000	1,082,000 <sup>1</sup>
6	<b>Total maintenance</b> .....	<b>87,448,000</b>	<b>1,568,000</b>	<b>348,000</b>	<b>2,628,000<sup>1</sup></b>
7	Administration and general .....	15,329,000	206,000	—	471,000 <sup>1</sup>
8	<b>Grand total expenditures</b> .....	<b>283,015,000</b>	<b>3,816,000</b>	<b>592,000</b>	<b>6,002,000<sup>1</sup></b>
	<b>Streets</b>				
	Construction:				
9	New .....	124,591,000	713,000	244,000	1,384,000 <sup>1</sup>
10	Reconstruction .....	30,675,000	1,229,000	—	994,000 <sup>1</sup>
11	<b>Total construction</b> .....	<b>155,266,000</b>	<b>1,942,000</b>	<b>244,000</b>	<b>2,378,000<sup>1</sup></b>
	Maintenance:				
12	Repairs and minor improvements .....	40,905,000	426,000	231,000	1,451,000 <sup>1</sup>
13	Sanding, snow removal .....	36,724,000	638,000	117,000	1,046,000 <sup>1</sup>
14	<b>Total maintenance</b> .....	<b>77,629,000</b>	<b>1,064,000</b>	<b>348,000</b>	<b>2,497,000<sup>1</sup></b>
15	<b>Totals</b> .....	<b>232,895,000</b>	<b>3,006,000</b>	<b>592,000</b>	<b>4,875,000<sup>1</sup></b>
	<b>Bridges and ferries</b>				
16	Construction .....	9,491,000	9,000	—	92,000 <sup>1</sup>
17	Maintenance .....	2,281,000	4,000	—	15,000 <sup>1</sup>
18	<b>Totals</b> .....	<b>11,772,000</b>	<b>13,000</b>	<b>—</b>	<b>107,000<sup>1</sup></b>
	<b>Sidewalks and footpaths</b>				
19	Construction .....	15,482,000	91,000	—	434,000
20	Maintenance .....	7,538,000	—	—	116,000
21	<b>Totals</b> .....	<b>23,020,000</b>	<b>91,000</b>	<b>—</b>	<b>550,000</b>
	<b>Grants-in-aid and shared-cost contributions</b>				
	Paid or owing to:				
22	Provincial government .....	291,000	—	—	232,000
23	Municipal governments .....	955,000	—	—	—
24	Other .....	323,000	—	—	—
25	<b>Totals</b> .....	<b>1,569,000</b>	<b>—</b>	<b>—</b>	<b>232,000</b>
	Received or due from:				
26	Federal government .....	8,015,000	—	—	—
27	Provincial government .....	72,532,000	301,000	—	2,126,000 <sup>1</sup>
28	Municipal governments .....	1,842,000	—	—	—
29	Other .....	1,320,000	—	—	349,000 <sup>1</sup>
30	<b>Totals</b> .....	<b>83,709,000</b>	<b>301,000</b>	<b>—</b>	<b>2,475,000<sup>1</sup></b>
31	<b>Net expenditures by municipalities</b> .....	<b>200,875,000</b>	<b>3,515,000</b>	<b>592,000</b>	<b>3,759,000</b>

<sup>1</sup> Includes expenditures by provincial governments and other authorities on urban streets and bridges.<sup>2</sup> Includes expenditures by the federal government and other authorities on urban bridges.<sup>3</sup> Includes provincial and federal governments' expenditures on urban streets and bridges.

TABLE 8. Urban Street Expenditure by Municipalities, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Northwest Territories	No.
dollars									
1,379,000	25,555,000 <sup>2</sup>	71,075,000 <sup>3</sup>	9,992,000	8,706,000 <sup>4</sup>	11,290,000	13,432,000	114,000	1,000	1
334,000	5,791,000	19,641,000	1,916,000	776,000 <sup>4</sup>	1,282,000	3,747,000	—	18,000	2
<b>1,713,000</b>	<b>31,346,000<sup>2</sup></b>	<b>90,716,000<sup>3</sup></b>	<b>11,908,000</b>	<b>9,482,000<sup>4</sup></b>	<b>12,572,000</b>	<b>17,179,000</b>	<b>114,000</b>	<b>19,000</b>	3
1,021,000 <sup>5</sup>	7,194,000 <sup>2</sup>	25,088,000 <sup>3</sup>	1,287,000	2,208,000 <sup>4</sup>	2,463,000	4,996,000	50,000	29,000	4
1,273,000	18,950,000	12,622,000 <sup>3</sup>	1,188,000	535,000 <sup>4</sup>	1,935,000	2,056,000	4,000	5,000	5
<b>2,294,000<sup>5</sup></b>	<b>26,144,000<sup>2</sup></b>	<b>37,710,000<sup>3</sup></b>	<b>2,475,000</b>	<b>2,743,000<sup>4</sup></b>	<b>4,398,000</b>	<b>7,052,000</b>	<b>54,000</b>	<b>34,000</b>	6
205,000	5,758,000 <sup>2</sup>	6,474,000 <sup>3</sup>	203,000	1,289,000 <sup>4</sup>	247,000	474,000	2,000	—	7
<b>4,212,000<sup>5</sup></b>	<b>63,248,000<sup>2</sup></b>	<b>134,900,000<sup>3</sup></b>	<b>14,586,000</b>	<b>13,514,000<sup>4</sup></b>	<b>17,217,000</b>	<b>24,705,000</b>	<b>170,000</b>	<b>53,000</b>	8
1,282,000	20,459,000	63,059,000 <sup>3</sup>	9,476,000	7,430,000 <sup>4</sup>	9,290,000	11,139,000	114,000	1,000	9
309,000	5,157,000	15,973,000	1,870,000	760,000 <sup>4</sup>	960,000	3,405,000	—	18,000	10
<b>1,591,000</b>	<b>25,616,000</b>	<b>79,032,000<sup>3</sup></b>	<b>11,346,000</b>	<b>8,190,000<sup>4</sup></b>	<b>10,250,000</b>	<b>14,544,000</b>	<b>114,000</b>	<b>19,000</b>	11
946,000	5,686,000	21,969,000 <sup>3</sup>	1,083,000	1,951,000 <sup>4</sup>	2,211,000	4,380,000	43,000	28,000	12
1,205,000	16,516,000	11,739,000 <sup>3</sup>	1,011,000	535,000 <sup>4</sup>	1,915,000	1,993,000	4,000	5,000	13
<b>2,151,000</b>	<b>22,202,000</b>	<b>33,708,000<sup>3</sup></b>	<b>2,094,000</b>	<b>2,486,000<sup>4</sup></b>	<b>4,126,000</b>	<b>6,373,000</b>	<b>47,000</b>	<b>33,000</b>	14
<b>3,742,000</b>	<b>47,818,000</b>	<b>112,740,000<sup>3</sup></b>	<b>13,440,000</b>	<b>10,676,000<sup>4</sup></b>	<b>14,376,000</b>	<b>20,917,000</b>	<b>161,000</b>	<b>52,000</b>	15
—	1,307,000 <sup>2</sup>	7,366,000 <sup>3</sup>	7,000	407,000 <sup>4</sup>	93,000	210,000	—	—	16
2,000 <sup>5</sup>	777,000 <sup>2</sup>	1,186,000 <sup>3</sup>	31,000	90,000 <sup>4</sup>	43,000	133,000	—	—	17
<b>2,000<sup>5</sup></b>	<b>2,084,000<sup>2</sup></b>	<b>8,552,000<sup>3</sup></b>	<b>38,000</b>	<b>497,000<sup>4</sup></b>	<b>136,000</b>	<b>343,000</b>	—	—	18
122,000	4,423,000	4,318,000	555,000	885,000	2,229,000	2,425,000	—	—	19
141,000	3,165,000	2,816,000	350,000	167,000	229,000	546,000	7,000	1,000	20
<b>263,000</b>	<b>7,588,000</b>	<b>7,134,000</b>	<b>905,000</b>	<b>1,052,000</b>	<b>2,458,000</b>	<b>2,971,000</b>	<b>7,000</b>	<b>1,000</b>	21
—	—	2,000	57,000	—	—	—	—	—	22
—	—	951,000	2,000	—	—	2,000	—	—	23
—	25,000	298,000	—	—	—	—	—	—	24
—	<b>25,000</b>	<b>1,251,000</b>	<b>59,000</b>	—	—	<b>2,000</b>	—	—	25
—	1,958,000 <sup>2</sup>	5,770,000 <sup>3</sup>	—	118,000	169,000	—	—	—	26
344,000 <sup>5</sup>	1,629,000	61,230,000 <sup>3</sup>	1,655,000	2,695,000 <sup>4</sup>	591,000	1,875,000	62,000	24,000	27
—	16,000	1,751,000	55,000	—	—	20,000	—	—	28
—	45,000 <sup>2</sup>	849,000	9,000	—	16,000	52,000	—	—	29
<b>344,000<sup>5</sup></b>	<b>3,648,000<sup>2</sup></b>	<b>69,600,000<sup>3</sup></b>	<b>1,719,000</b>	<b>2,813,000<sup>4</sup></b>	<b>776,000</b>	<b>1,947,000</b>	<b>62,000</b>	<b>24,000</b>	30
<b>3,868,000</b>	<b>59,625,000</b>	<b>66,551,000</b>	<b>12,926,000</b>	<b>10,701,000</b>	<b>16,441,000</b>	<b>22,760,000</b>	<b>108,000</b>	<b>29,000</b>	31

<sup>4</sup> Includes provincial government expenditures on urban streets and bridges.<sup>5</sup> Includes federal government expenditures on urban bridges.



TABLE 9. Expenditures for the Elimination and Protection of Grade Crossings, 1964

By authority and source of fund	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
	dollars					
Utility:						
From Railway Grade Crossing Fund .....	—	—	—	1,450	108,877	392,160
From utility funds .....	—	—	—	1,450	36,226	120,612
Totals .....	—	—	—	2,900	145,103	512,772
Municipality:						
From Railway Grade Crossing Fund .....	255,487	—	25,695	—	850,072	3,041,512
From municipality funds .....	47,904	4,523	4,996	3,345	138,326	1,591,289
Totals .....	303,391	4,523	30,691	3,345	988,398	4,632,801
Province:						
From Railway Grade Crossing Fund .....	150,669	—	102,118	249,000	588,651	1,534,628
From provincial funds .....	28,250	3,014	33,229	12,677	81,077	298,253
Totals .....	178,919	3,014	135,347	261,677	669,728	1,832,881
Railway:						
From Railway Grade Crossing Fund .....	67,000	59,278	259,953	102,538	1,833,977	2,028,959
From railway funds .....	25,385	7,468	28,399	9,613	98,039	522,818
Totals .....	92,385	66,746	288,352	112,150	1,932,016	2,551,777
Totals, from Railway Grade Crossing Fund	473,156	59,278	387,766	352,988	2,381,577	6,997,259
Totals, from other funds .....	101,539	15,005	66,624	27,085	353,668	2,532,972
Canada, totals .....	574,695	74,283	454,390	380,073	3,735,245	9,530,231
	Manitoba	Saskatchewan	Alberta	British Columbia	Total	
	dollars					
Utility:						
From Railway Grade Crossing Fund .....	23,546	11,071	9,457	48,703	595,265	
From utility funds .....	5,887	2,768	2,364	12,465	181,772	
Totals .....	29,433	13,839	11,821	61,168	777,037	
Municipality:						
From Railway Grade Crossing Fund .....	365,436	869	124,060	43,034	4,706,165	
From municipality funds .....	99,903	1,725	169,849	69,122	2,130,982	
Totals .....	465,339	2,594	293,909	112,156	6,837,147	
Province:						
From Railway Grade Crossing Fund .....	—	49,859	177,776	1,203,132	4,055,833	
From provincial funds .....	229,532	34,327	68,136	445,487	1,233,982	
Totals .....	229,532	84,186	245,912	1,648,619	5,289,815	
Railway:						
From Railway Grade Crossing Fund .....	290,011	93,474	219,720	91,846	5,165,231 <sup>1</sup>	
From railway funds .....	103,627	15,964	102,197	45,026	989,875 <sup>2,3</sup>	
Totals .....	393,638	109,438	321,917	136,872	6,155,106	
Totals, from Railway Grade Crossing Fund	678,993	155,273	531,013	1,386,715	14,522,494 <sup>1</sup>	
Totals, from other funds .....	438,949	54,784	342,546	572,100	4,536,611 <sup>2,3</sup>	
Canada, totals .....	1,117,942	210,057	873,559	1,958,815	19,059,105 <sup>1,2,3</sup>	

<sup>1</sup> Includes expenditures, not allocated by province, of \$216,815 for the reflectorization of box cars and crossing signs.

<sup>2</sup> Includes expenditures, not allocated by province, of \$29,208 for the reflectorization of box cars and crossing signs.

<sup>3</sup> Includes expenditures, not allocated by province of \$2,131 for the relocation of R-Signs.





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