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ROAD AND STREET MILEAGE AND EXPENDITURE

1961

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

INTRODUCTION

Total expenditure on Canadian highways, rural roads and urban streets, including bridges, in the five-year period 1957 to 1961 amounted to \$4.9 billion of which \$3.3 billion were spent on new construction and major reconstruction work. Of the total, \$3.9 billion or 79.6 per cent were spent on highways and rural roads and bridges and the remaining \$1.0 billion were expended on streets and bridges in urban areas.

The surfaced mileage of Canada's roads and streets rose to 283,226 miles in 1961 from 253,985 in 1957 while rigid and flexible paved mileage increased 7.7 per cent to 56,530 miles from 52,483 in the same period. Surfaced roads accounted for 65.9 per cent of all roads and streets open to traffic by the end of 1961, of which paved surfaces made up 20.0 per cent and gravelled surfaces 80.0 per cent.

A summary of expenditure and mileage data for rural and urban areas is presented for the first time in Table 1. Certain pertinent ratios on a per capita and per motor vehicle basis are also included.

It should be noted that municipalities of less than 1,000 population, except those located in census metropolitan areas, are considered as rural municipalities for the purposes of this publication. Townships located in census metropolitan areas; rural townships with a population of 15,000 or over; and improvement districts with a population of 1,000 or over are classified as urban.

Although the larger municipalities in each province are surveyed every year 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.

Most of the federal and provincial authorities report on the basis of a fiscal year April 1 to March 31, while the Railway Grade Crossing Fund and municipalities report on a calendar year basis.

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ROAD AND STREET MILEAGE AND EXPENDITURE

1961

PART I—EXPENDITURE AND REVENUE

Highway and Rural Road Expenditure

Expenditure on highways and rural roads, including bridges, during 1961 was \$753.5 million, 5.2 per cent lower than the 1960 total of \$794.9 million. Construction work accounted for \$505.3 million of this amount, whereas \$559.0 million were spent on this phase of road work in 1960. Maintenance expenditure increased to \$215.5 million from the \$203.9 million reported in 1960, a rise of 5.7 per cent.

Provincial and territorial governments reported a total expenditure of \$596.4 million including grants to rural municipalities but excluding \$43.3 million paid to urban municipalities as recorded in Table 4 of this report. In the previous year, total expenditure amounted to \$609.1 million. Federal expenditure was down 17.5 per cent to \$91.3 million in 1961 from \$110.7 million in 1960. Municipal expenditure on rural roads decreased by 10.4 per cent to \$62.4 million from the \$69.6 million spent in 1960. Increased expenditures were reported in 1961 for only two provinces, Prince Edward Island and Quebec. One reason for the decline in expenditures was the nearing completion of the Trans-Canada Highway, with all provinces except Quebec reporting decreased expenditures on this highway.

Domestic Toll Bridges, Ferries and Roads

Revenue from tolls was up in 1961 by 16.8 per cent to \$21,744,286 as compared with the 1960 figure of \$18,618,177. The largest increase, recorded in British Columbia, was mainly due to the Vancouver Island-Mainland Ferry System. Expenditure on all toll facilities for construction, maintenance and administration is included in the amounts reported in Table 2. Excluded from this report are statistics of privately owned ferries and international toll bridges, tunnels and ferries. Annual statistics of the latter facilities are published in a separate report, "International Toll Bridges, Tunnels and Ferries", catalogue number 53-202.

Urban Street Expenditure by Municipalities

In Table 4 data of the total expenditures on streets, sidewalks, bridges and ferries in urban areas are presented. In all provinces, except Nova Scotia, Ontario and Saskatchewan, data are available only for municipal authorities. The table attempts to determine the net expenditures incurred by municipalities. For those provinces where statistics of urban street expenditure made by provincial or federal authorities have been included, a sum equal to the amount of this expenditure has been added to the grants-in-aid received from the appropriate level of government so that the original expenditure will be eliminated from the net expenditure total.

In 1961 total expenditures on streets, sidewalks, bridges and ferries in urban areas aggregated \$235.5 million. Of this amount \$152.6 million or 64.8 per cent were spent on construction; maintenance accounted for \$74.0 million or 31.4 per cent; while the remaining \$8.8 million were spent on administration and general expenses. Expenditures increased from the previous year in all areas except Nova Scotia, Quebec, Manitoba, Saskatchewan and British Columbia. The large decrease in street construction expenditures in Quebec is due to the absence of data for the Montreal Metropolitan Boulevard for which a report was not received for 1961.

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

The Trans-Canada Highway

In September 1962 at Rogers Pass, British Columbia, the Trans-Canada Highway was officially opened. However, although the road is open, there are still many miles to be improved up to the required standard.

The Trans-Canada Highway Act passed by Parliament in 1949 provided the machinery for agreement between the Federal and Provincial Governments as to the former's contribution towards completion of the national highway. Payments made under the Act cover two different periods of construction. Work done during the years from April 1, 1928 to December 9, 1949, is considered as prior construction. Payments on behalf of this work may be any amount up to, but not exceeding, 50 per cent of the cost of construction and are paid to the provinces when and as the Governor-in-Council determines. The "new construction period" was that extending from December 10, 1949 to December 10, 1956. In 1956 this period was extended to December 31, 1960, and in 1960, when the province of Quebec agreed to participate, it was further extended to December 31, 1963. The enactment of the 1956 amendment by Parliament increased the extent of Canada's contribution to the cost of the highway by providing for an additional 40 per cent contribution to the cost of construction of one-tenth of the highway mileage in each province. The aggregate limit of the funds available for expenditure by the Federal Government was increased to \$400,000,000 in 1960.

Table 5 shows for each province the amount spent during the fiscal year 1961-62 and the grants paid by the Federal Government in respect of

provincial government expenditures. Federal Government expenditures on the highway in the National Parks have been included in provincial totals according to the location of the Park.

Table 6 shows Federal Government contributions paid to the provinces during the year 1961-62. This may differ from the Federal Government grants listed in Table 5 because, in some cases, it includes payments on behalf of work completed by the provinces in prior years. These additional payments are, in effect, an adjustment between the amounts spent by provincial and federal authorities in the prior construction period and do not add to the total expenditure on highways.

Railway Grade Crossings

Expenditure for the elimination and protection of railway grade crossings from all sources is shown in Table 7. Contributions made by the Railway Grade Crossing Fund are also included with the highway and rural road expenditure data in Table 2, while provincial and municipal government expenditures are also shown in the provincial totals of either Table 2 or 4 depending on whether the expenditure was rural or urban.

PART II—MILEAGE

Highway and Rural Road Mileage

Total highway and rural road mileage in Canada reported for 1961 increased to 430,004 miles from 421,448 miles in 1960. Increases were reported for all areas except Nova Scotia, Quebec, the Yukon and Northwest Territories. None of the decreases

in total mileage reported for any of these areas was substantial; however, the effect upon the distribution by specific surface type was more pronounced.

Increased mileages were reported for all surface types in 1961:

Surface type	1960 Mileage	1961 Mileage	% Change
Rigid pavement:			
Concrete surface	991	1,029	+ 3.8
Bituminous surfaced concrete base	986	1,222	+ 23.9
Flexible pavement:			
High cost	35,637	37,912	+ 6.4
Low cost	13,003	16,367	+ 25.9
Total paved road	50,617	56,530	+ 11.7
Gravel:			
Surface treated	2,983	3,188	+ 6.9
Surface untreated	222,297	223,508	+ 0.5
Total surfaced road	275,897	283,226	+ 2.7
Earth	145,551	146,778	+ 0.8
Total road mileage	421,448	430,004	+ 2.0

A historical summary of highway and rural road development since 1925 is shown in Table 8. There were 9.3 times as many miles of paved highways in 1961 as there were 36 years earlier.

Urban Street Mileage

Urban street mileage, including public lanes and alleys, open for traffic at December 31, 1961 was 37,102 miles, a slight decline from the 37,769 miles reported for 1960. Increases in mileage were recorded for all areas except Newfoundland, Alberta, British Columbia and the Yukon. Slight decreases in mileage were reported by Newfoundland and British Columbia while there was no change in the

Yukon. In Alberta, however, a substantial decrease in the mileage of all surface types was sufficient to outweigh the small increases which occurred in most of the other provinces. This decrease was caused by the reclassification to rural of certain mileage formerly considered urban.

Of the total 1961 mileage, 35,230 miles or 95.0 per cent were surfaced and 1,872 miles were of earth construction. The surfaced mileage consisted of 6,281 miles of rigid pavement, 15,214 miles of flexible pavement, 13,569 miles of gravel and 166 miles of other surfaces, including wood, brick and cinders.

**TABLE 1. Comparative Summary of Rural Road and Urban Street Mileage and Expenditure,
1960 and 1961**

No.		Canada	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
	Rural road and urban street expenditure					
1	Rural road expenditure 1960	794,873,201	23,846,762	7,070,824	36,298,426	38,619,091
2	..... 1961	753,515,554	17,034,216	8,028,498	32,132,085	35,783,405
3	Urban street expenditure 1960	272,388,000	1,680,000	315,000	3,945,000	3,213,000
4	..... 1961	235,533,000	1,869,000	427,000	3,707,000	3,704,000
5	Total expenditure 1960	1,067,261,201	25,526,762	7,385,824	40,243,426	41,832,091
6	..... 1961	989,048,554	18,903,216	8,455,498	35,839,085	39,487,405
7	Total expenditure per capita 1960	59.9	55.6	71.7	55.7	69.7
8	..... 1961	54.2	41.3	80.8	48.6	66.0
	Rural road and urban street mileage					
		miles				
9	Rural road mileage 1960	421,448	6,988	3,238	15,648	13,424
10	..... 1961	430,004	7,137	3,278	15,347	13,670
11	Urban street mileage 1960	37,769	470	93	958	619
12	..... 1961	37,102	467	97	1,008	631
13	Total mileage 1960	459,217	7,458	3,331	16,606	14,043
14	..... 1961	467,106	7,604	3,375	16,355	14,301
		number				
15	Average population per mile of total 1960	38.8	61.5	30.9	43.5	42.7
16	roads and streets, 1961	39.0	60.2	31.0	45.1	41.8
	Average number of motor vehicles per mile of:					
17	Paved roads and streets 1960	74.6	120.1	36.1	49.3	36.0
18	..... 1961	70.7	115.9	33.4	51.7	35.9
19	Surfaced roads and streets 1960	16.9	14.8	12.1	13.4	9.9
20	..... 1961	17.3	14.3	12.6	18.0	10.2
21	Total roads and streets 1960	11.4	8.8	9.1	11.3	9.9
22	..... 1961	11.8	8.6	9.5	12.6	10.2

TABLE 1. Comparative Summary of Rural Road and Urban Street Mileage and Expenditure, 1960 and 1961

Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Northwest Territories	No.
dollars								
149,377,476	241,843,631	42,030,366	49,776,559	79,903,834	114,453,450	7,657,035	3,807,482	1
149,461,034	237,919,304	34,441,287	44,529,162	71,429,057	112,459,425	7,618,060	2,481,521	2
101,274,000	98,957,000	13,279,000	13,028,000	19,455,000	17,084,000	121,000	37,000	3
61,293,000	105,755,000	10,501,000	10,838,000	22,145,000	15,051,000	199,000	44,000	4
250,651,476	340,800,631	55,309,366	62,804,559	99,358,834	131,537,450	7,778,035	3,844,482	5
210,754,034	343,674,304	44,942,287	55,367,162	93,574,057	127,510,425	7,817,060	2,525,521	6
49.1	56.0	61.5	69.0	77.4	81.9	555.6	174.7	7
40.1	55.1	48.8	59.8	70.3	78.3	534.4	109.8	8
miles								
53,804	74,586	35,613	120,060	69,060	26,729	1,785	513	9
53,572	76,061	36,870	123,908	70,613	27,297	1,751	500	10
6,730	12,625	2,102	2,303	5,873	5,936	35	25	11
7,129	13,523	2,320	2,346	3,633	5,879	35	34	12
60,534	87,211	37,715	122,363	74,933	32,665	1,820	538	13
60,701	89,584	39,190	126,254	74,246	33,176	1,786	534	14
number								
84.3	69.8	23.8	7.4	17.1	49.2	7.7	40.9	15
86.6	69.6	23.5	7.3	17.9	49.1	8.2	43.1	16
47.0	88.3	80.1	110.1	96.7	67.6	701.8	333.2	17
63.2	76.0	73.2	103.8	94.9	66.2	651.8	382.0	18
22.1	25.1	11.2	8.8	9.0	23.7	3.4	6.6	19
23.7	24.9	12.2	8.2	9.1	23.9	3.6	7.4	20
18.1	23.6	7.6	2.7	6.5	17.3	3.1	5.6	21
19.5	23.7	8.0	2.8	6.9	17.7	3.3	6.4	22

TABLE 2. Highway and Rural Road Expenditure, 1961¹

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
	Total expenditures:					
1	Total construction ^{2,3}	505,303,047	8,132,946	5,633,146	18,010,241	20,036,453
2	Total maintenance	215,480,078	8,421,713	2,316,075	12,217,276	14,425,289
3	Total administration and general ⁴	32,732,429	479,557	79,277	1,904,568	1,321,663
4	Grand total expenditures ^{2,3,4}	753,515,554	17,034,216	8,028,498	32,132,085	35,783,405
	Federal expenditures:					
5	Construction ¹	31,276,434	608,877	199,008	1,130,732	1,450,053
6	Maintenance	4,433,804	13,819	13,606	96,294	138,559
7	Administration and general ⁴	1,439,274	42,107	645	27,800	4,095
8	Net subsidies and grants-in-aid (Paid +, Received -)	+ 54,144,445	+ 2,223,904	+ 1,248,200	+ 2,149,257	+ 4,773,337
9	Totals ^{2,4}	91,293,957	2,888,707	1,461,459	3,404,083	6,366,044
	Provincial expenditures:					
10	Construction	405,858,115	7,518,671	5,420,000	16,839,840	18,549,804
11	Maintenance	159,789,306	8,407,894	2,292,921	12,067,408	14,286,730
12	Administration and general	23,351,043	437,450	78,632	1,666,729	1,317,568
13	Net subsidies and grants-in-aid (Paid +, Received -)	+ 7,415,871	- 2,223,904	- 1,235,514	- 2,342,637	- 4,742,787
14	Totals	596,414,335	14,140,111	6,556,039	28,231,340	29,411,315
	Municipal expenditures:					
15	Construction	67,588,000	..	13,000	-	-
16	Maintenance	51,092,000	..	5,000	-	-
17	Administration and general	7,420,000	..	-	-	-
18	Net subsidies and grants-in-aid (Paid +, Received -)	- 63,667,000	..	- 7,000	+ 202,000	-
19	Totals	62,433,000	..	11,000	202,000	-
20	Net expenditures by others ^{1,3}	3,374,262	5,398	-	294,662	6,046
21	Grand total expenditures ^{2,3,4}	753,515,554	17,034,216	8,028,498	32,132,085	35,783,405

¹ Includes expenditures of urban toll facilities.² Includes payments for railway grade crossings from Railway Grade Crossing Fund, allocated by provinces as in Table 7.

TABLE 3. Revenue Earned by Domestic Toll Facilities, 1961

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
1	Domestic toll bridges, tunnels and ferries ¹	17,817,494	60,829	...	1,699,192	...
2	Limited access toll highways	3,377,330	...	...	...	...
3	Licences for travel in National Parks ..	549,462	-	-	-	-
4	Total revenues	21,744,286	60,829	-	1,699,192	-

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

TABLE 2. Highway and Rural Road Expenditure, 1961¹

Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
80,869,293	167,906,733	24,306,614	31,738,112	51,088,393	89,788,172	5,462,692	2,330,252	1
61,583,445	57,366,494	7,633,185	11,437,860	19,324,649	18,839,888	1,762,935	151,269	2
7,008,296	12,646,077	2,501,488	1,353,190	1,016,015	3,831,365	392,433	—	3
149,461,034	237,919,304	34,441,287	44,529,162	71,429,057	112,459,425	7,618,060	2,481,521	4
1,523,429	8,037,352	888,516	998,313	2,709,320	6,616,713	4,783,869	2,330,252	5
821,996	508,420	93,774	119,474	571,292	971,489	933,812	151,269	6
93,677	1,400	—	—	231,956	446,661	392,433	—	7
+ 5,032,493	+ 15,683,187	+ 2,406,497	+ 1,816,391	+ 2,128,038	+ 15,490,777	+ 1,192,364	—	8
7,471,595	24,230,359	3,388,787	2,934,178	5,640,606	23,525,640	7,302,478	2,481,521	9
77,648,524	121,545,252	19,803,189	14,858,389	40,690,902	82,304,721	678,823	..	10
52,978,669	31,470,074	4,222,411	6,885,386	9,750,357	16,598,333	829,123	..	11
4,410,110	8,777,677	2,001,488	867,190	784,059	3,010,140	—	..	12
- 879,228	+ 21,376,235	- 2,069,757	+ 4,483,274	+ 11,195,962	- 14,953,409	- 1,192,364	..	13
134,158,075	183,169,238	23,957,331	27,094,239	62,421,280	86,959,785	315,582	..	14
1,650,000	38,001,000	3,587,000	15,818,000	7,667,000	852,000	...	...	15
7,761,000	25,388,000	3,317,000	4,433,000	9,003,000	1,185,000	...	...	16
2,288,000	3,867,000	500,000	486,000	⁵	279,000	...	...	17
- 5,175,000	- 37,423,000	- 1,237,000	- 6,361,000	- 13,324,000	- 342,000	...	...	18
6,524,000	29,833,000	6,167,000	14,376,000	3,346,000	1,974,000	...	...	19
1,307,364	686,707	928,169	124,745	21,171	—	—	—	20
149,461,034	237,919,304	34,441,287	44,529,162	71,429,057	112,459,425	7,618,060	2,481,521	21

¹ Includes payments for railway grade crossings by railways allocated by provinces as in Table 7.⁴ Includes \$198,500 federal administrative costs re Trans-Canada Highway—not allocated by provinces.⁵ Included in maintenance.

TABLE 3. Revenue Earned by Domestic Toll Facilities, 1961

Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
4,861,460	708,018	8,811	...	...	10,479,184	...	...	1
3,377,330	...	...	...	...	...	...	...	2
...	26,905	38,052	11,881	371,489	101,135	...	...	3
8,238,790	734,923	46,863	11,881	371,489	10,580,319	...	...	4

TABLE 4. Urban Street Expenditure by Municipalities, 1961

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia
		dollars			
	Construction:				
1	New	123,350,000	678,000	287,000	1,282,000 ¹
2	Reconstruction	29,277,000	32,000	—	764,000
3	Total construction	152,627,000	710,000	287,000	2,046,000¹
	Maintenance:				
4	Repairs and minor improvements	41,582,000	892,000	120,000	1,011,000 ¹
5	Sanding, snow removal	32,510,000	267,000	20,000	610,000
6	Total maintenance	74,092,000	1,159,000	140,000	1,621,000
7	Administration and general	8,814,000	—	—	40,000
8	Grand total expenditures	235,533,000	1,869,000	427,000	3,707,000¹
	Roadways				
	Construction:				
9	New	97,270,000	515,000	273,000	975,000 ¹
10	Reconstruction	23,505,000	32,000	—	706,000
11	Total construction	120,775,000	547,000	273,000	1,681,000¹
	Maintenance:				
12	Repairs and minor improvements	36,817,000	891,000	120,000	928,000 ¹
13	Sanding, snow removal	29,599,000	267,000	20,000	603,000
14	Total maintenance	66,416,000	1,158,000	140,000	1,531,000¹
15	Totals	187,191,000	1,705,000	413,000	3,212,000¹
	Bridges and ferries				
16	Construction	14,461,000	119,000	—	7,000
17	Maintenance	1,129,000	—	—	12,000
18	Totals	15,590,000	119,000	—	19,000
	Sidewalks and footpaths				
19	Construction	17,391,000	45,000	14,000	358,000
20	Maintenance	6,547,000	—	—	78,000
21	Totals	23,938,000	45,000	14,000	436,000
	Grants-in-aid and shared-cost contributions				
	Paid or owing to:				
22	Municipal authority	1,209,000	—	—	—
23	Other	1,347,000	—	—	244,000
24	Totals	2,556,000	—	—	244,000
	Received or due from:				
25	Federal authority	5,746,000	101,000	—	24,000
26	Provincial authority	48,902,000	63,000	—	653,000 ¹
27	Municipal authority	1,568,000	—	—	—
28	Other	388,000	—	—	—
29	Totals	56,604,000	164,000	—	677,000¹
30	Net expenditures by municipalities	181,485,000	1,705,000	427,000	3,274,000

¹ Includes provincial government expenditure on urban streets.

TABLE 4. Urban Street Expenditure by Municipalities, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	North-west Territories	No.
dollars									
1, 178, 000	24, 735, 000	58, 898, 000 ²	7, 718, 000	7, 313, 000 ¹	14, 291, 000	6, 970, 000	—	—	1
453, 000	6, 525, 000	14, 907, 000	656, 000	900, 000 ¹	2, 606, 000	2, 269, 000	146, 000	19, 000	2
1, 631, 000	31, 260, 000	73, 805, 000 ²	8, 374, 000	8, 213, 000 ¹	16, 897, 000	9, 239, 000	146, 000	19, 000	3
954, 000	6, 897, 000	21, 165, 000 ²	1, 151, 000	1, 611, 000 ¹	3, 304, 000	4, 430, 000	47, 000	—	4
1, 024, 000	17, 843, 000	8, 032, 000 ²	942, 000	753, 000 ¹	1, 913, 000	1, 080, 000	1, 000	25, 000	5
1, 978, 000	24, 740, 000	29, 197, 000 ²	2, 093, 000	2, 364, 000 ¹	5, 217, 000	5, 510, 000	48, 000	25, 000	6
95, 000	5, 293, 000	2, 753, 000 ²	34, 000	261, 000 ¹	31, 000	302, 000	5, 000	—	7
3, 704, 000	61, 293, 000	105, 755, 000 ²	10, 501, 000	10, 838, 000 ¹	22, 145, 000	15, 051, 000	199, 000	44, 000	8
1, 034, 000	19, 338, 000	47, 010, 000 ²	7, 210, 000	5, 374, 000 ¹	9, 853, 000	5, 688, 000	—	—	9
391, 000	5, 526, 000	11, 484, 000	648, 000	656, 000 ¹	1, 836, 000	2, 061, 000	146, 000	19, 000	10
1, 425, 000	24, 864, 000	58, 494, 000 ²	7, 858, 000	6, 030, 000 ¹	11, 689, 000	7, 749, 000	146, 000	19, 000	11
880, 000	6, 091, 000	18, 769, 000 ²	1, 059, 000	1, 405, 000 ¹	2, 802, 000	3, 827, 000	45, 000	—	12
961, 000	15, 590, 000	7, 692, 000 ²	837, 000	683, 000 ¹	1, 883, 000	1, 037, 000	1, 000	25, 000	13
1, 841, 000	21, 681, 000	26, 461, 000 ²	1, 896, 000	2, 088, 000 ¹	4, 685, 000	4, 864, 000	46, 000	25, 000	14
3, 266, 000	46, 545, 000	84, 955, 000 ²	9, 754, 000	8, 118, 000 ¹	16, 374, 000	12, 613, 000	192, 000	44, 000	15
17, 000	1, 159, 000	10, 730, 000	142, 000	296, 000 ¹	1, 937, 000	54, 000	—	—	16
5, 000	71, 000	743, 000	18, 000	46, 000 ¹	117, 000	117, 000	—	—	17
22, 000	1, 230, 000	11, 473, 000	160, 000	342, 000 ¹	2, 054, 000	171, 000	—	—	18
190, 000	5, 237, 000	4, 581, 000	374, 000	1, 886, 000	3, 270, 000	1, 436, 000	—	—	19
131, 000	2, 988, 000	1, 993, 000	179, 000	231, 000	416, 000	529, 000	2, 000	—	20
321, 000	8, 225, 000	6, 574, 000	553, 000	2, 117, 000	3, 686, 000	1, 965, 000	2, 000	—	21
12, 000	—	1, 054, 000	24, 000	—	119, 000	—	—	—	22
—	22, 000	1, 043, 000	1, 000	36, 000	1, 000	—	—	—	23
12, 000	22, 000	2, 097, 000	25, 000	36, 000	120, 000	—	—	—	24
5, 000	379, 000	4, 221, 000 ²	—	424, 000 ¹	419, 000	173, 000	—	—	25
163, 000	1, 571, 000	41, 891, 000 ²	645, 000	1, 725, 000 ¹	1, 414, 000	678, 000	83, 000	16, 000	26
9, 000	16, 000	1, 541, 000	2, 000	—	—	—	—	—	27
10, 000	—	238, 000	55, 000	—	85, 000	—	—	—	28
187, 000	1, 966, 000	47, 891, 000 ²	702, 000	2, 149, 000	1, 918, 000	851, 000	83, 000	16, 000	29
3, 529, 000	59, 349, 000	59, 961, 000	9, 824, 000	8, 725, 000	20, 347, 000	14, 200, 000	116, 000	28, 000	30

² Includes federal and provincial government expenditures on urban streets.¹ Under \$500.

TABLE 5. Trans-Canada Highway Expenditure, Fiscal Year April 1, 1961 to March 31, 1962

	Federal expenditures and grants to provinces	Total expenditures including federal grants
	dollars	
Newfoundland	1,558,258	2,780,987
Prince Edward Island	345,000	383,887
Nova Scotia	1,102,754	1,502,012
New Brunswick	2,395,485	4,743,353
Quebec .....	..	8,623,111
Ontario	11,715,034	16,259,962
Manitoba	965,513	1,580,519
Saskatchewan	119,436	182,651
Alberta	936,015	936,015
British Columbia	17,078,966	34,357,514
Totals	36,414,961¹	71,548,511¹

¹ Includes \$198,500 federal administrative costs, exclusive of National Parks, not allocated by province.

TABLE 6. Federal Contributions to the Provinces for the Trans-Canada Highway During the Fiscal Year April 1, 1961 to March 31, 1962

Recipient province	Federal contribution	Recipient province	Federal contribution
	dollars		dollars
Newfoundland	2,238,870	Ontario	13,003,667
Prince Edward Island	299,900	Manitoba	857,335
Nova Scotia	1,767,818	Saskatchewan	70,972
New Brunswick	2,357,076	Alberta	654,594
Quebec	2,702,726	British Columbia	12,530,660

TABLE 7. Expenditure for the Elimination and Protection of Grade Crossings, 1961

	By railways	From Railway Grade Crossing Fund	By provinces and municipalities	Total
	dollars			
Newfoundland	5,398	273,607	63,004	342,009
Prince Edward Island	1,138	12,136	1,896	15,170
Nova Scotia	39,669	448,603	88,319	576,591
New Brunswick	36,596	773,771	145,259	955,626
Quebec	47,340	654,887	118,805	821,032
Ontario	323,129	5,947,110	1,409,421	7,679,660
Manitoba	27,909	693,335	74,528	795,772
Saskatchewan	63,410	540,203	135,045	738,658
Alberta	21,171	672,202	39,351	732,724
British Columbia	14,738	886,048	690,798	1,591,584
Yukon and Northwest Territories	—	—	—	—
Totals	623,758¹	11,074,134¹	2,766,426	14,464,318¹

¹ Includes railway and Railway Grade Crossing Fund expenditures of \$189,859 and \$25,633 respectively for the refection of crossing signs and box cars, not allocated by province.

PART II - MILEAGE

TABLE 8. Summary of Highway and Rural Road Mileage for Canada by Type of Surface, 1925 - 61

Year	Concrete bituminous pavement and bituminous surface	Gravel, crushed stone and other surfaces	Total surfaced	Earth	Grand total
miles					
1925	6,057	41,354	47,411	317,858	381,977
1928	7,725	56,394	64,119	307,008	398,320
1932	11,009	80,303	91,312	322,435	436,689
1939	15,117	99,137	114,254		
1940	15,617	100,575	116,192	383,002	499,194
1945	17,339	114,114	131,453	359,926	491,379
1949	22,740	139,059	161,799	339,632	501,431
1950	24,820	144,678	169,498	338,196	507,694
1951	26,316	149,040	175,356	336,522	511,878
1952	28,649	152,657	181,306	331,489	512,795
1953	30,731	160,266	190,997	326,812	517,809
1954	33,321	159,295	192,616	331,439	524,055
1955	34,164	165,926	200,090	255,314 ¹	455,404 ¹
1956	37,006	172,322	209,328	244,254 ¹	453,582 ¹
1957	39,123	191,921	231,044 ²	192,895 ¹	423,939 ¹
1958	41,988	205,498	247,486	149,895 ¹	397,381
1959	45,975	222,757	268,712	154,323	423,035
1960	50,617	225,280	275,897	145,551	421,448
1961	56,530	226,696	283,226	146,778	430,004

¹ Decrease due to exclusion of unimproved road allowances previously included.² Includes 8,301 miles of surfaced roads under the jurisdiction of the Federal Department of Citizenship and Immigration and the Quebec Department of Colonization, not reported previously.

TABLE 9. Urban Street Mileage, 1961

Province	Rigid pavement		Flexible pavement		Gravel		Other surfaces	Total surfaced streets	Earth	Total street mileage
	Concrete surface	Bitu- minous surfaced concrete base	High cost	Low cost	Surface treated	Surface untreated				
	miles									
Newfoundland	—	6	90	62	91	203	—	452	15	467
Prince Edward Island	8	—	60	—	—	17	—	85	12	97
Nova Scotia	26	35	478	100	58	269	34	1,000	8	1,008
New Brunswick	22	8	356	79	65	70	—	600	31	631
Quebec	416	1,665	3,070	465	704	685	18	7,023	106	7,129
Ontario	541	2,074	3,218	2,197	2,768	2,291	88	13,177	346	13,523
Manitoba	747	228	232	56	193	723	1	2,180	140	2,320
Saskatchewan	3	113	392	95	250	803	14	1,670	676	2,346
Alberta	18	212	1,014	64	486	1,486	3	3,283	350	3,633 ²
British Columbia	88	71	2,163	1,013	912	1,437	8	5,692	187	5,879
Yukon Territory	—	—	5	—	—	29	—	34	1	35
Northwest Territories	—	—	5	—	16	13	—	34	—	34
Canada	1,869	4,412	11,083	4,131	5,543	8,026	166	35,230	1,872	37,102

¹ Includes public lanes and alleys.² Excludes 2,121 miles which are reclassified with highway and rural road mileage.

TABLE 10. Highway and Rural Road Mileage, 1961

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		miles				
	Total of all roads:					
1	Rigid pavement—Concrete surface	1,029	—	13	7	4
2	Bituminous surfaced concrete base	1,222	—	—	4	—
3	Flexible pavement—High cost	37,912	296	866	3,347	1,681
4	Low cost	16,367	109	15	—	1,914
5	Gravel—Surface treated	3,188	18	1	—	1
6	Surface untreated	223,508	3,702	1,569	7,124	10,070
7	Total surfaced road	283,226	4,125	2,464	10,482	13,670
8	Earth	146,778	3,012	814	4,865	—
9	Total road mileage	430,004 ¹	7,137	3,278	15,347	13,670
	Primary highways:					
10	Rigid pavement—Concrete surface	692	—	13	7	—
11	Bituminous surfaced concrete base	840	—	—	—	—
12	Flexible pavement—High cost	23,631	291	645	1,713	1,411
13	Low cost	3,160	109	—	—	159
14	Gravel—Surface treated	836	—	—	—	—
15	Surface untreated	10,284	3,546	250	72	22
16	Total surfaced road	39,443	3,946	908	1,792	1,592
17	Earth	22	—	—	—	—
18	Total road mileage	39,465	3,946	908	1,792	1,592
	Secondary highways:					
19	Rigid pavement—Concrete surface	134	—	—	—	—
20	Bituminous surfaced concrete base	197	—	—	—	—
21	Flexible pavement—High cost	3,782	1	215	—	110
22	Low cost	7,231	—	10	—	612
23	Gravel—Surface treated	288	—	—	—	—
24	Surface untreated	15,749	20	634	—	326
25	Total surfaced road	27,381	21	859	—	1,048
26	Earth	42	2	—	—	—
27	Total road mileage	27,423	23	859	—	1,048
	Local roads:					
28	Rigid pavement—Concrete surface	203	—	—	—	4
29	Bituminous surfaced concrete base	174	—	—	4	—
30	Flexible pavement—High cost	10,441	4	6	1,634	153
31	Low cost	5,856	—	5	—	1,071
32	Gravel—Surface treated	1,870	17	1	—	1
33	Surface untreated	193,973	135	685	7,052	9,660
34	Total surfaced road	212,517	156	697	8,690	10,889
35	Earth	142,785	3,009	814	4,865	—
36	Total road mileage	355,302	3,165	1,511	13,555	10,889
	Development roads:					
37	Rigid pavement—Concrete surface	—	—	—	—	—
38	Bituminous surfaced concrete base	11	—	—	—	—
39	Flexible pavement—High cost	58	—	—	—	7
40	Low cost	120	—	—	—	72
41	Gravel—Surface treated	194	1	—	—	—
42	Surface untreated	3,502	1	—	—	62
43	Total surfaced road	3,885	2	—	—	141
44	Earth	3,929	1	—	—	—
45	Total road mileage	7,814	3	—	—	141

¹ Gravel and earth road mileages on Indian reservations not available.² Includes mileages for rural municipalities within the census metropolitan areas of Calgary and Edmonton.

TABLE 10. Highway and Rural Road Mileage, 1961

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
miles								
293	506	181	—	7	18	—	—	1
176	955	46	—	10	31	—	—	2
11,633	9,289	1,852	1,758	3,441	3,741	4	4	3
1,017	9,181	754	1,010	603	1,764	—	—	4
462	783	1,243	156	38	486	—	—	5
29,435	51,627	18,404	38,240	48,417	12,924	1,572	424	6
43,016	72,341	22,480	41,164	52,516	18,964	1,576	428	7
10,556	3,720	14,390	82,744	18,097	8,333	175	72	8
53,572	76,061	36,870	123,908	70,613 ³	27,297	1,751	500	9
145	337	171	—	7	12	—	—	10
—	831	7	—	—	2	—	—	11
5,662	5,527	1,562	1,330	2,915	2,567	4	4	12
265	1,426	581	54	201	365	—	—	13
—	218	600	—	18	—	—	—	14
1,049	391	932	6	959	1,740	954	363	15
7,121	8,730	3,853	1,390	4,100	4,686	958	367	16
—	—	—	—	—	22	—	—	17
7,121	8,730	3,853	1,390	4,100	4,708	958	367	18
10	111	8	—	—	5	—	—	19
58	92	23	—	10	14	—	—	20
18	2,128	21	372	461	456	—	—	21
—	4,952	53	940	351	313	—	—	22
8	273	7	—	—	—	—	—	23
146	4,961	1,744	5,442	1,522	864	90	—	24
240	12,517	1,856	6,754	2,344	1,652	90	—	25
—	4	13	23	—	—	—	—	26
240 ⁴	12,521	1,869	6,777	2,344	1,652	90	—	27
138	58	2	—	—	1	—	—	28
107	32	16	—	—	15	—	—	29
5,916	1,634	260	56	65	713	—	—	30
752	2,803	72	16	51	1,086	—	—	31
419	289	513	124	20	486	—	—	32
27,529	46,275	15,047	31,988	45,914	9,558	104	26	33
34,861	51,091	15,910	32,184	46,050	11,859	104	26	34
10,556	3,716	13,832	80,761	18,067	6,918	175	72	35
45,417	54,807	29,742	112,945	64,117	18,777	279	98	36
—	—	—	—	—	—	—	—	37
11	—	—	—	—	—	—	—	38
37	—	9	—	—	5	—	—	39
—	—	48	—	—	—	—	—	40
35	3	123	32	—	—	—	—	41
711	—	681	804	22	762	424	35	42
794	3	861	836	22	767	424	35	43
—	—	545	1,960	30	1,393	—	—	44
794	3	1,406	2,796	52	2,160	424	35	45

³ Included with local roads.⁴ Majority of secondary highways included with local roads.

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