

CATALOGUE No.

53-201

ANNUAL



CANADA

ROAD AND STREET MILEAGE AND EXPENDITURE 1958

Formerly
HIGHWAY STATISTICS

Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation Section

April, 1960
8504-532



Price 50 cents

Reports Published by the
Public Finance and Transportation Division
dealing with
ROAD TRANSPORT

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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.
- ' revised figures.

ROAD AND STREET MILEAGE AND EXPENDITURE

1958

INTRODUCTION

Total expenditure on Canadian highways and rural roads in the five-year period April 1, 1954 to March 31, 1959, amounted to \$3.1 billion of which \$2.0 billion was spent on new construction and major reconstruction work. During the same period, \$646 million was spent on streets, bridges, etc., in urban municipalities, \$388 million of which was spent on new construction and major improvements. The surfaced mileage of Canada's highways rose to 251,992 miles in 1958 from 192,616 miles in 1954 while paved and bituminous surface mileage

increased 26.0 p.c. to 41,988 miles from the 33,321 miles of five years previously. Surfaced roads accounted for 62.7 p.c. of all highways and rural roads open to traffic by the end of 1958 and paved highways represented 10.4 p.c. of the total at the same date.

For the first time in this report expenditure and mileage tables are divided into two separate sections and for convenience the statistical tables are indexed and separated from the text.

PART I—EXPENDITURE AND REVENUE

Highway and Rural Road Expenditure

Highway and rural road expenditure information by province and by level of government appears in Table 2 (Table 8 in 1957).

Expenditure on highways and rural roads, including bridges, outside urban areas during 1958 was \$772,748,991, some 8.1 p.c. higher than the 1957 figure of \$714,726,805. Construction work accounted for \$535,577,276 of this amount whereas an amount of \$497,668,898 was spent on this phase of road work in 1957. Maintenance expenditure showed an increase of 17.8 p.c. to \$209,093,710 from \$178,126,885 in the previous year. Provincial and territorial governments reported spending \$616,512,226 in 1958 as compared with \$581,187,652 in 1957, an increase of \$35,324,574 or 6.1 p.c. These totals include grants to rural municipalities but do not include \$24,294,341 paid to urban municipalities as recorded in Table 4 of this report. Federal expenditure was up to \$98,199,342 in 1958 from \$80,731,880 in 1957.

Total expenditure was higher in all areas except British Columbia where the outlay decreased to \$88.7 million in 1958 from \$129.2 million in 1957. Alberta where expenditure dropped to \$72.1 million from \$74.3 million during the same period and the Northwest Territories where there was an expenditure of \$3.9 million each year. Quebec showed a \$39.0 million increase in expenditure, which was largely accounted for by the construction programme of the Montreal-Laurentian Autoroute Board. Ontario increased expenditure by \$19.9 million, Newfoundland by \$11.8 million, New Brunswick by \$10.6 million, Manitoba by \$5.5 million, Saskatchewan by \$5.1 million, Nova Scotia by \$3.6 million, the Yukon Territory by \$3.0 million, and Prince Edward Island by \$2.3 million. The greatest proportional increase occurred in Newfoundland where the outlay more than doubled, rising from \$10,299,258 in 1957 to \$22,124,517 in 1958, an increase of 114.8 p.c. Much of this last increase was due to the expenditure of \$10,985,373 on the Trans-Canada Highway as compared with \$3,345,414 in the previous year.

Authorities supplying data for inclusion in Table 2 of "Road and Street Mileage and Expenditure", report on the basis of the fiscal year April 1 to March 31 with the exception of:

1. Quebec—The Montreal-Laurentian Autoroute Board (fiscal year ends December 31).
2. Ontario—The Niagara Parks Commission (fiscal year ends October 31).
3. British Columbia Forest Service (fiscal year ends December 31).
4. All municipal authorities (fiscal year ends December 31).
5. Toll Bridges (fiscal year of all privately and municipally operated toll bridges ends December 31).
6. Railways—Expenditures are for calendar year January 1–December 31.
7. Railway Grade Crossing Fund—Expenditures are for calendar year January 1–December 31.

Per Capita Expenditure

Per capita expenditure for highways and rural roads in Canada increased to \$45 in 1958 from \$43 in 1957. The greatest per capita increase in expenditure occurred in Newfoundland, where it more than doubled, rising to \$51 in 1958 from \$24 in 1957. British Columbia registered a marked decrease from \$87 to \$57 in the same period. The highest per capita expenditure was in the Yukon Territory at \$468 (\$260 in 1957), followed by the Northwest Territories at \$197 (\$205 in 1957). Table 1 presents a comparison of total and per capita expenditure for 1958 and 1957.

Domestic Toll Bridges, Ferries and Roads

Revenue from tolls reported in Table 3, pages 8 and 9, was up in 1958 by 6.7 p.c. to \$10,497,688 as compared with \$9,839,716 in 1957. Expenditure on all toll facilities for construction, maintenance and administration is included in the amounts reported in Table 2. Toll bridges and roads are operated by federal, provincial, municipal and private authorities. The Jacques Cartier Bridge at Montreal is a toll facility operated by the National Harbours Board. In British Columbia the

Toll Highways and Bridges Authority operates a number of toll bridges and has several other toll facilities under construction. During 1958, the Burlington Skyway in Ontario and a section of the Montreal-Laurentian Autoroute in Quebec were opened as toll facilities. Privately and municipally owned toll bridges are operated in Quebec and British Columbia. Included in Table 2 are the revenues of the ferries which charge for vehicle crossings in Newfoundland, Nova Scotia and British Columbia and the national parks which charge for motor travel within their borders. 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, catalogue no. 53-202.

Urban Street Expenditure

Data concerning expenditure on urban streets including roadways, sidewalks, bridges and ferries in cities, towns and villages by provinces are presented in Table 4. These statistics are based on reports from urban municipalities having populations of over 1,000.

The 826 urban authorities from whom data was collected for 1958 reported total expenditures of \$164,310,110. Of this amount, \$100,386,133 or 61.1 per cent was spent on construction including \$72,084,590 for new construction and \$28,301,543 for reconstruction of existing facilities. Maintenance accounted for \$34,618,192 or 33.2 per cent, including \$26,176,671 spent for repairs and minor improvements and \$28,441,521 for cleaning, sanding and snow removal. Administration and general expenses accounted for the remaining \$9,305,785.

Expenditure on bridges and ferries, sidewalks and footpaths, has had to be included, in some cases, with the roadway expenditure figures because some municipalities have not provided separate expenditure detail for these facilities.

Expenditure on urban roadways, subject to the above limitation, amounted to \$135,000,705 of the total urban street expenditure. Construction, including new construction (\$52,928,897) and reconstruction (\$24,950,056) accounted for \$77,878,953 or 57.7 per cent of the total roadway expenditure. Maintenance expenses amounted to \$48,697,650.

Sidewalks and footpaths, where separate figures were reported, accounted for \$19,744,557 of the total urban street expenditures. Included in this amount were construction (\$13,899,319) and maintenance (\$5,080,420).

Expenditures for urban bridges and ferries, where separate figures were reported, totalled

\$9,564,848 including construction costs of \$8,607,861 and maintenance costs of \$840,122.

The Trans-Canada Highway

The Trans-Canada Highway Act passed by Parliament on December 10, 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. The enactment of this 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 on one-tenth of the Highway mileage in each province. The aggregate limit of the funds available for expenditure by Canada was increased to \$250,000,000.

Table 5 shows the amount spent by each of the nine provinces which participated during the fiscal year 1958-59, the subsidies to the provinces paid by the Federal Government in respect of this expenditure and the expenditure by the Federal Government on the Highway in the National Parks and on general administration of the Highway.

Table 6 shows Federal Government contributions paid to the participating provinces during the year 1958-59. This differs from the Federal Government grants listed in Table 5 because 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 in Canada shown in Table 7, amounted to \$9,072,198 in 1958 compared with \$3,279,253 in 1957. Of this expenditure \$3,632,006 (\$1,922,312 in 1957) was contributed from the Railway Grade Crossing Fund and \$535,919 (\$349,572) by the railways. The provinces and municipalities accounted for the balance of \$4,904,273 (\$1,007,369) which is included in the rural road and urban street expenditure figures, Tables 2 and 4.

PART II—MILEAGE

Highway and Rural Road Mileage

Highway and rural road mileage is shown in Table 10 (Table 6 in 1957) and for the first time includes for each province, except Quebec, an analysis of mileage according to the functional definitions proposed in the Road and Street Classification manual of the Canadian Good Roads Association.

The breakdown of highway and rural road mileage by type of construction has in this report been subdivided on the same basis as urban street mileage. Mileage shown in the 1957 report as bituminous surface has for 1958 been subdivided into bituminous surfaced concrete base, flexible pavement-high cost and flexible pavement-low cost.

Gravel mileage shown in the previous year has in this report been divided into surface treated and surface untreated gravel.

Total highway and rural road mileage in Canada reported for 1958 decreased to 401,887 miles from the 423,939 miles reported for 1957. A decrease from the previous year is shown in Saskatchewan and the Yukon Territory, owing to the elimination of some mileage which had been duplicated. Alberta's total mileage also shows a sharp decline due to the exclusion of 23,305 miles of unimproved road allowance included in 1957. In Ontario 4,690 miles of unused road allowance, previously reported as earth mileage, are excluded from this report. British Columbia's total, on the other hand, shows a marked increase due to the inclusion of mining roads, forest development roads, roads in Provincial Parks and the newly-constructed Stewart-Cassiar Road, none of which had previously been reported.

The mileage of concrete surfaced roads continued to decline, due partially to the resurfacing of concrete with bituminous surface and partially to the exclusion of some urban street mileage previously reported as highway and rural road in British Columbia. The mileage of bituminous surfaced roads increased to 40,963 miles in 1958 from 37,937 miles in 1957, while gravelled roads totalled 210,004 miles in 1958 as compared with 191,921 miles in 1957. The mileage of earth road shown declined to 149,895 miles in 1958 from 192,895 miles in 1957, owing partly to the elimination of unused road allowances from the figures in Ontario, Saskatchewan and Alberta and partly to the reclassification or actual initial surfacing of roads, previously described as of earth construction.

Local roads with a reported mileage of 280,941 in 1958 accounted for 80.0 per cent of the highway

and rural road miles outside the province of Quebec. Of these local roads almost all were either surfaced with untreated gravel (137,735 miles) or were of earth construction (134,950). Primary highways accounted for 29,532 miles or 8.4 per cent of the total highway and rural road mileage outside Quebec. All these primary highways were surfaced and 18,422 miles had rigid or flexible pavement. Of the 25,298 miles of secondary highways outside Quebec, nearly all were surfaced and 7,007 miles were of rigid or flexible pavement. Development roads defined as roads constructed to open up undeveloped areas, in 1958 amounted to 15,598 miles exclusive of Quebec. Of this mileage most was in untreated gravel (12,252) or earth (3,305) miles.

An historical summary of highway and rural road development since 1925 is shown in Table 8. Outside urban areas, there were 6.9 times as many miles of paved roads in 1958 as there were 33 years earlier. The average number of motor vehicles per mile of surfaced highway and rural road (including pavement and gravel) was 18.7 in 1958 as compared with 15.3 in 1925.

Urban Street Mileage

Urban street mileage for the 826 urban authorities, for which expenditure is shown in Table 4, appears in Table 9. Street mileage opened for traffic at December 31, 1958 is shown as 25,652 miles including public lanes and alleys. Of the total, 23,904 miles or 93.2 per cent were surfaced and 1,748 miles were earth. The surfaced mileage consisted of 5,659 miles of rigid pavement, 8,504 miles of flexible pavement, 9,478 miles of gravel and 263 miles of other surfaces, including wood, brick, cinder and sand.

March 11, 1960.

PART I. EXPENDITURE AND REVENUE

TABLE 1. Total and Per Capita Highway and Rural Road Expenditure 1958 and 1957

Province	Expenditure on highways and rural roads (Including bridges, ferries, etc.)		Per capita expenditure	
	1958	1957	1958	1957
	dollars			
Newfoundland	22,124,517	10,299,258	51	24
Prince Edward Island.....	7,149,030	4,814,883	71	49
Nova Scotia	31,699,342	28,139,042	48	40
New Brunswick	40,133,886	29,532,887	70	52
Quebec	178,764,634	139,780,392 ^f	37	29 ^f
Ontario	239,970,903	220,113,599 ^f	41	39 ^f
Manitoba.....	35,208,496	29,724,607	41	35
Saskatchewan	46,617,467	41,511,698	52	47
Alberta	72,136,357	74,339,911	60	64
British Columbia.....	88,678,394	129,216,627	57	87
Yukon Territory.....	6,062,057	3,125,131	468	260
Northwest Territories.....	3,941,808	3,808,770	197	205
Canada	772,748,991 ¹	714,726,803 ¹	45	43 ^f

¹ Includes expenditures by federal authorities totalling \$242,100 (1958) and \$235,000 (1957) not allocated by provinces.

TABLE 2. Highway and Rural Road Expenditure, 1958

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
	Total expenditures:					
1	Total construction ^{1,2}	535,577,276	15,422,240	5,442,721	17,526,726	23,200,007
2	Total maintenance	209,903,710	5,921,000	1,634,229	12,397,624	15,798,897
3	Total administration and general ³ ...	24,176,849	781,277	72,080	1,774,902	1,134,982
4	Grand total expenditures ^{1,2,3}	772,748,991	22,124,517	7,149,030	31,699,342	40,133,886
	Federal expenditures:					
5	Construction ¹	23,214,323	3,922,240	2,252	238,086	183,794
6	Maintenance	4,467,832	—	10,707	199,994	30,335
7	Administration and general ³	3,062,800	368,777	170	28,501	5,340
8	Net subsidies and grants-in-aid (Paid +, Received -)	+ 67,434,337	+ 4,682,967	+1,317,509	+ 4,951,993	+10,492,660
9	Total ^{1,3}	98,199,342	8,973,984	1,330,638	5,418,574	10,712,129
	Provincial expenditures:					
10	Construction	457,545,262	11,500,000	5,440,405	17,277,045	23,001,505
11	Maintenance	157,503,295	5,921,000	1,623,522	12,112,458	15,768,562
12	Administration and general	19,257,354	412,500	70,110	1,534,466	1,100,542
13	Net subsidies and grants-in-aid (Paid +, Received -)	- 17,793,685	- 4,682,967	-1,315,709	- 5,212,860	-11,042,686
14	Total	616,512,226	13,150,533	5,818,328	23,711,109	28,827,923
	Municipal expenditures:					
15	Construction	54,257,361	..	...	...	...
16	Maintenance	47,613,093	..	...	...	...
17	Administration and general	1,112,683	..	...	...	...
18	Net subsidies and grants-in-aid (Paid +, Received -)	- 50,701,690	..	...	+ 213,767	...
19	Total	55,372,603	..	...	213,767	...
20	Net expenditures by others ²	2,664,820	—	64	355,692	593,834
21	Grand total expenditures ^{1,2,3}	772,748,991	22,124,517	7,149,030	31,699,342	40,133,886

¹ Includes payments for railway grade crossings from Railway Grade Crossing Fund, allocated by provinces as in Table 7.

² Includes payments for railway grade crossings by railways allocated by provinces as in Table 7.

³ Includes \$242,100 federal administrative costs re Trans-Canada Highway-not allocated by provinces.

TABLE 3. Revenue Earned by Highway and Rural Road Toll Facilities, 1958

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
1	Domestic toll bridges, tunnels and ferries ¹	9,959,394	70,000	...	1,727,438	...
2	Controlled access toll highways	31,134	...	...	...	...
3	Licences for travel in National Parks ..	467,160	—	—	—	—
4	Total revenues	10,497,888	70,000	—	1,727,438	—

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

TABLE 2. Highway and Rural Road Expenditure, 1953

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
121,934,188	172,480,378	25,676,864	32,177,138	46,868,117	67,897,619	3,121,653	3,829,625	1
53,400,913	60,143,039	4,791,324	11,708,143	24,362,277	17,083,678	2,545,403	112,183	2
3,429,533	7,347,486	1,649,152	2,732,186	905,963	3,692,097	415,001	..	3
178,764,634	239,970,903	35,208,496 ⁴	46,617,467	72,136,357	88,678,394	6,082,057	3,941,808	4
2,110,267	1,971,779	348,803	489,673	3,625,500	4,226,350	2,284,415	3,811,164	5
287,397	315,336	55,565	69,684	491,438	1,599,212	1,331,337	96,847	6
263,715	935	..	3,727	285,568	1,448,966	415,001	..	7
...	+ 23,277,761	+ 3,203,312	+ 1,612,500	+ 3,005,104	+13,130,372	+1,767,753	- 7,544	8
2,661,379	23,565,811	3,607,680	2,175,501	7,407,610	20,404,900	3,798,306	3,900,467	9
118,738,891	135,119,326	25,328,061	16,415,678	40,274,786	63,593,866	837,238	18,461	10
52,935,749	32,218,095	4,735,759	7,542,078	7,971,349	15,445,321	1,214,068	13,338	11
2,977,339	7,346,551	1,630,670	1,636,597	620,395	1,928,184	..	..	12
+ 976,598	+ 10,593,827	- 3,402,556	+ 3,839,795	+ 7,202,019	-12,988,937	-1,767,753	+ 7,344	13
175,628,577	185,277,799	28,291,934	29,434,148	56,068,549	67,978,434	283,551	41,341	14
976,598	35,119,316	..	15,263,569	2,897,878	..	...	...	15
7,594	27,609,608	..	4,096,401	15,899,490	..	...	...	16
20,821	..	..	1,091,862	..	..	...	...	17
- 976,598	- 34,471,436	+ 217,726	- 5,478,026	-10,207,128	..	...	...	18
28,415	28,257,488	3,308,882 ⁴	14,973,806	8,589,245	..	...	...	19
446,263	869,805	-	33,949	69,953	295,060 ⁵	-	-	20
178,764,634	239,970,903	35,208,496 ⁴	46,617,467	72,136,357	88,678,394	6,082,057	3,941,808	21

⁴ Includes expenditure of \$3,091,156 by municipalities in Manitoba for which no breakdown is available.

⁵ Decrease from 1957 due to inclusion with provincial expenditures in this report of some expenditures previously reported as "by others".

TABLE 3. Revenue Earned by Highway and Rural Road Toll Facilities, 1953

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
3,225,856	170,732	6,386	...	...	4,793,982	...	...	1
31,134	...	...	...	...	...	...	...	2
...	21,689	40,002	9,860	321,229	74,400	...	...	3
3,256,990	192,401	46,388	9,860	321,229	4,873,382	...	...	4

TABLE 4. Urban Street Expenditure, 1958

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia
1	No. of authorities included	826	24	5	40
				dollars	
2	Construction:				
3	New	72,084,590	878,317	178,948	1,150,724
4	Reconstruction	28,301,543	10,237	85,026	685,176
5	Total construction	100,386,133	888,554	263,974	1,835,900
6	Maintenance:				
7	Repairs and minor improvements	26,176,671	656,707	124,299	804,213
8	Cleaning, sanding, snow removal	28,441,521	261,565	22,919	398,963
9	Total maintenance	54,618,192	918,272	147,218	1,203,176
10	Administration and general	8,695,839	45,584	43,445	255,300
11	Other	609,946	—	—	31,087
12	Grand total expenditures	164,310,110	1,852,410	454,637	3,325,463
	Roadways				
13	Construction:				
14	New	52,928,897	859,317	175,799	840,200
15	Reconstruction	24,950,056	10,237	84,526	510,083
16	Total construction	77,878,953	869,554	260,325	1,350,283
17	Maintenance:				
18	Repairs and minor improvements	22,740,606	656,707	124,210	714,751
19	Cleaning, sanding, snow removal	25,937,044	261,565	22,919	390,370
20	Total maintenance	48,677,650	918,272	147,129	1,105,121
21	Administration and general	7,819,348	45,584	43,108	220,700
22	Other	604,754	—	—	31,087
23	Total	133,000,705	1,833,410	450,502	2,707,191
	Bridges and ferries				
24	Construction	8,607,861	—	—	29,733
25	Maintenance	840,122	—	—	14,060
26	Administration and general	111,673	—	—	2,230
27	Other	5,192	—	—	—
28	Total	9,564,848	—	—	46,073
	Sidewalks and footpaths				
29	Construction	13,899,319	19,000	3,649	455,834
30	Maintenance	5,080,420	—	89	83,995
31	Administration and general	764,818	—	337	32,320
32	Other	—	—	—	—
33	Total	19,744,557	19,000	4,075	572,199
	Subsidies				
34	Paid or owing to:				
35	Provincial authority	126,432	—	—	124,555
36	Municipal authority	370,727	—	—	—
37	Total	497,159	—	—	124,555
38	Received or due from:				
39	Federal authority	719,799	18,591	—	—
40	Provincial authority	24,294,341	322,737	—	81,483
41	Municipal authority	2,533,657	—	—	—
42	Other	583,772	121,460	—	425
43	Total	28,131,569	462,788	—	81,908
44	Net expenditures (Total expenditures less net subsidies)	136,675,700	1,389,622	454,637	3,368,110

TABLE 4. Urban Street Expenditure, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	No.
24	303	236	33	43	61	55	2	1
dollars								
1,043,128	15,858,154	33,125,976	4,051,817	3,656,153	9,144,385	2,996,988	—	2
582,270	11,081,143	12,077,650	1,013,104	511,099	1,064,303	1,191,535	—	3
1,625,398	26,939,297	45,203,626	5,664,921	4,167,252	10,208,688	4,188,523	—	4
959,895	3,935,728	12,620,892	1,039,999	901,037	2,314,562	2,743,561	25,778	5
655,595	13,386,997	9,755,467	918,399	505,459	1,834,679	697,804	3,674	6
1,615,490	17,372,723	22,376,359	1,958,358	1,406,496	4,149,241	3,441,365	29,452	7
132,088	4,206,033	2,843,325	63,533	243,532	101,638	755,866	5,495	8
—	18,897	521,595	10,415	2,369	3,112	22,290	181	9
3,372,976	48,536,952	70,944,905	7,097,267	5,819,649	14,462,079	8,408,044	35,128	10
902,860	11,100,890	24,855,889	3,770,399	2,087,710	6,044,587	2,300,246	—	11
556,752	10,258,251	10,319,152	997,521	353,747	821,551	1,038,236	—	12
1,459,612	21,359,141	35,175,041	4,767,920	2,432,457	6,866,133	3,338,482	—	13
909,132	3,519,822	10,930,651	827,745	773,421	2,030,587	2,328,802	24,778	14
620,350	11,519,341	9,358,565	798,769	483,737	1,809,375	688,379	3,674	15
1,529,482	15,039,163	20,289,216	1,626,514	1,257,158	3,839,962	2,917,181	28,452	16
130,679	3,780,125	2,628,374	60,152	199,847	92,430	612,904	5,495	17
—	18,897	516,403	10,415	2,369	3,112	22,290	181	18
3,119,723	40,197,326	58,609,034	6,465,001	3,891,831	10,801,642	6,890,857	34,128	19
—	860,379	6,562,509	11,859	556,638	576,527	10,216	—	20
—	101,750	381,671	95,832	12,602	130,145	103,062	1,000	21
—	15,485	48,551	1,248	16,935	180	26,994	—	22
—	—	5,192	—	—	—	—	—	23
—	977,614	6,997,923	108,939	586,175	706,832	140,272	1,000	24
165,786	4,719,777	3,466,076	285,142	1,178,157	2,766,023	839,825	—	25
86,008	2,231,812	1,705,472	236,052	136,736	179,134	421,122	—	26
1,459	410,423	166,400	2,133	26,750	9,028	115,968	—	27
—	—	—	—	—	—	—	—	28
253,255	7,362,012	5,337,948	523,327	1,341,643	2,954,185	1,376,915	—	29
—	—	1,877	—	—	—	—	—	30
—	500	370,227	—	—	—	—	—	31
—	500	372,104	—	—	—	—	—	32
1,095	2,014	596,270	—	—	101,629	200	—	33
245,715	452,981	22,040,332	625,602	15,314	372,695	127,917	9,815	34
—	—	2,531,425	—	—	2,232	—	—	35
75	470	299,475	—	85,537	76,330	—	—	36
246,885	455,465	25,467,252	625,602	160,851	552,886	128,117	9,815	37
3,126,091	48,081,987	45,849,755	6,471,665	5,718,798	13,909,753	8,279,927	25,313	38

Note: Data from urban municipalities in Northwest Territories not available.

TABLE 5. Trans-Canada Highway Expenditure, Fiscal Year April 1, 1938 to March 31, 1939

	Federal expenditures and grants to provinces	Total expenditures including federal grants
	dollars	
Newfoundland	4,682,967	6,800,000
Prince Edward Island	852,741	1,141,522
Nova Scotia	2,788,800	3,892,393
New Brunswick	10,492,660	14,054,280
Ontario	21,466,219	27,995,777
Manitoba	2,588,460	4,410,718
Saskatchewan	168,303	280,546
Alberta	3,005,104	3,010,993
British Columbia	11,278,189	22,041,203
National Park Newfoundland	4,185,373	4,185,373
National Parks Alberta	1,798,746	1,798,746
National Parks British Columbia	4,075,183	4,075,183
Federal administrative costs exclusive of National Parks	242,100	242,100
Total	67,624,845	93,928,341

TABLE 6. Federal Contributions to the Provinces for the Trans-Canada Highway
During the Fiscal Year April 1, 1938 to March 31, 1939

Recipient province	Federal contribution	Recipient province	Federal contribution
	dollars		dollars
Newfoundland	4,753,051	Manitoba	1,910,884
Prince Edward Island	535,114	Saskatchewan	168,303
Nova Scotia	2,473,725	Alberta	2,228,575
New Brunswick	11,352,822	British Columbia	11,890,871
Ontario	13,917,075		

TABLE 7. Expenditure for the Elimination and Protection of Grade Crossings, 1938

	By railways	From Railway Grade Crossing Fund	By provinces and municipalities	Total
	dollars			
Newfoundland	—	—	—	—
Prince Edward Island	64	255	106	425
Nova Scotia	11,595	172,380	19,325	203,300
New Brunswick	14,708	126,797	28,784	170,289
Quebec	108,432	550,323	417,796	1,076,551
Ontario	269,957	1,760,269	3,564,002	5,594,228
Manitoba	—	6,061	14,142	20,203
Saskatchewan	8,218	279,145	344,514	631,877
Alberta	69,953	169,625	206,663	446,241
British Columbia	52,992	567,151	308,941	929,084
Yukon and Northwest Territories	—	—	—	—
Total	535,919	3,632,006	4,904,273	9,072,198

PART II—MILEAGE

TABLE 8. Summary of Highway and Rural Road Mileage by Type of Surface and Number of Motor Vehicles per Mile of Surfaced Road, 1925-1958

Year	Concrete, bituminous pavement and bituminous surface	Gravel, crushed stone and other surfaces	Total surfaced	Earth	Grand total	Average number of motor vehicles per mile of surfaced road
miles						
1925	6,057	41,354	47,411	—	—	15.3
1928	7,725	56,394	64,119	317,858	381,977	16.7
1932	11,009	80,303	91,312	307,008	398,320	12.2
1939	15,117	99,137	114,254	322,435	436,689	12.6
1940	15,617	100,575	116,192	383,002	499,194	12.9
1945	17,339	114,114	131,453	359,926	491,379	11.4
1947	19,029	126,780	145,809	348,046	493,855	12.6
1949	22,740	139,059	161,799	339,632	501,431	14.2
1950	24,820	144,678	169,498	338,196	507,694	15.3
1951	26,316	149,040	175,356	336,522	511,878	16.6
1952	28,649	152,657	181,306	331,489	512,795	17.4
1953	30,731	160,266	190,997	326,812	517,809	18.0
1954	33,321	159,295	192,616	331,439	524,055	19.8
1955	34,164	165,926	200,090	255,314 ¹	455,404 ¹	19.7
1956	37,006	172,322	209,328	244,254 ¹	453,582 ²	20.4 ^r
1957	39,123	191,921	231,044 ¹	192,895 ¹	423,939 ²	19.5 ^r
1958	41,938	210,004	251,992	149,895 ¹	401,887 ¹	18.7

¹ Decreased 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, 1958¹

Province	Rigid pavement		Flexible pavement		Gravel		Other surfaces	Total surfaced streets	Earth	Total street mileage
	Concrete surface	Bituminous surfaced concrete base	High cost	Low cost	Surface treated	Surface untreated				
	miles									
Newfoundland	—	3	70	30	51	230	—	384	4	388
Prince Edward Island ..	1	—	37	11	2	11	—	62	7	69
Nova Scotia.....	18	57	371	175	43	214	42	920	20	940
New Brunswick.....	18	26	305	70	42	94	1	556	42	598
Quebec.....	343	1,749	1,975	385	333	714	73	5,572	182	5,754
Ontario.....	618	1,733	1,338	1,397	1,617	1,428	93	8,224	261	8,485
Manitoba	404	213	85	53	170	458	11	1,394	136	1,530
Saskatchewan	4	115	230	48	161	670	19	1,247	647	1,894
Alberta.....	13	172	647	52	392	1,374	14	2,664	316	2,980
British Columbia	97	75	636	582	453	974	10	2,327	131	2,458
Yukon Territory	—	—	—	—	—	29	—	29	2	31
Northwest Territories ..	—	—	7	—	9	9	—	25	—	25
Canada.....	1,516	4,143	5,701	2,803	3,273	6,205	263	23,901	1,748	25,649

¹ Includes public lanes and alleys.

TABLE 10. Highway and Rural Road Mileage, 1958

No.		Canada (Ex. Quebec)	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
				miles		
	Total of all roads:					
1	Rigid pavement—Concrete surface	1,025 ¹	—	14	7	—
2	Bituminous surfaced concrete base	778 ¹	—	—	2	—
3	Flexible pavement—High cost	30,696 ¹	114	425	2,552	1,457
4	Low cost	9,489 ¹	104	—	—	1,594
5	Gravel—Surface treated	4,620 ¹	—	—	—	5
6	Surface untreated	205,384 ¹	3,391	2,035	7,234	10,112
7	Total surfaced road	251,992 ¹	3,609	2,474	9,795	13,168
8	Earth	149,893 ¹	3,000 ³	725	5,543	—
9	Total road mileage	401,887 ^{1,6}	6,609	3,199	15,338	13,168
	Primary highways:					
10	Rigid pavement—Concrete surface	500	—	14	7	—
11	Bituminous surfaced concrete base	693	—	—	2	—
12	Flexible pavement—High cost	13,365	114	383	—	1,277
13	Low cost	3,795	104	—	1,555	196
14	Gravel—Surface treated	1,130	—	—	—	—
15	Surface untreated	9,980	3,382	3	204	17
16	Total surfaced road	29,532	3,600	405	1,768	1,490
17	Earth	—	—	—	—	—
18	Total road mileage	29,532	3,600	405	1,768	1,490
	Secondary highways:					
19	Rigid pavement—Concrete surface	158	—	—	—	—
20	Bituminous surfaced concrete base	83	—	—	—	—
21	Flexible pavement—High cost	3,178	—	42	9	105
22	Low cost	3,588	—	—	—	527
23	Gravel—Surface treated	343	—	—	—	—
24	Surface untreated	17,640	—	1,128	9	469
25	Total surfaced road	24,990	—	1,170	9	1,101
26	Earth	308	—	250	9	—
27	Total road mileage	25,298	—	1,420	9	1,101
	Local roads:					
28	Rigid pavement—Concrete surface	102	—	—	—	—
29	Bituminous surfaced concrete base	2	—	—	—	—
30	Flexible pavement—High cost	2,864	—	—	997	75
31	Low cost	2,635	—	—	—	870
32	Gravel—Surface treated	2,653	—	—	—	—
33	Surface untreated	137,735	2	899	7,030	9,624
34	Total surfaced road	145,991	2	899	8,027	10,569
35	Earth	134,950	3,000 ³	473	5,483	—
36	Total road mileage	280,941	3,002	1,374	13,515	10,569
	Development roads:					
37	Rigid pavement—Concrete surface	—	—	—	—	—
38	Bituminous surfaced concrete base	—	—	—	—	—
39	Flexible pavement—High cost	16	—	—	—	—
40	Low cost	—	—	—	—	—
41	Gravel—Surface treated	25	—	—	—	5
42	Surface untreated	12,252	7	—	—	3
43	Total surfaced road	12,293	7	—	—	8
44	Earth	3,305	—	—	35	—
45	Total road mileage	15,593	7	—	35	8

¹ Includes Quebec.² Includes 9,914 miles previously included with earth road mileage.³ Estimate.⁴ Excludes, 4,690 miles of unused road allowance included in 1937.⁵ Excludes 23,305 miles of unused road allowance included in 1957.⁶ Gravel and earth road mileages on Indian reservations not available.

TABLE 10. Highway and Rural Road Mileage, 1958

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
miles								
196	658	145	—	5	—	—	—	1
—	771	—	—	—	—	5	—	2
9,718	7,885	1,589	1,495	2,825	2,633	—	—	3
1,024	4,794	25	581	233	1,154	—	3	4
471	3,072	723	48	30	271	—	—	5
27,778	50,103	13,556 ²	30,074	38,724	20,648	1,451	278	6
39,187	67,283	16,038	32,178	41,817	24,706	1,456	281	7
11,331	4,733 ⁴	5,000 ³	88,820	22,260 ⁵	8,225	175	83	8
50,518	72,016	21,038	120,998 ⁷	64,077	32,931 ⁸	1,631 ⁷	364	9
10	398	145	—	5	—	—	—	10
10	688	—	—	—	—	3	—	11
10	4,515	1,530	1,254	2,573	1,719	—	—	12
10	1,357	25	72	96	390	—	—	13
10	400	712	—	18	—	—	—	14
10	801	1,243	79	1,359	2,257	630	—	15
10	8,159	3,655	1,405	4,051	4,366	633	—	16
10	—	—	—	—	—	—	—	17
10	8,159	3,655	1,405	4,051	4,366	633	—	18
10	153	—	—	—	—	—	—	19
10	83	—	—	—	—	—	—	20
10	2,293	22	227	199	290	—	—	21
10	2,368	—	489	95	109	—	—	22
10	326	4	—	13	—	—	—	23
10	7,012	283	6,053	1,678	962	55	—	24
10	12,240	309	6,769	1,985	1,361	55	—	25
10	5	—	53	—	—	—	—	26
10	12,245	309	6,822	1,985	1,361	55	—	27
10	102	—	—	—	—	—	—	28
10	—	—	—	—	—	2	—	29
10	1,077	23	15	53	624	—	—	30
10	1,069	—	—	41	655	—	—	31
10	2,346	7	28	—	272	—	—	32
10	42,290	11,553	23,466	35,665	7,078	128	—	33
10	46,884	11,583	23,509	35,759	8,629	130	—	34
10	4,728	5,000 ³	85,815	22,030	8,225	175	14	35
10	51,612	16,583	109,324	57,789	16,854	305	14	36
10	—	—	—	—	—	—	—	37
10	—	—	—	—	—	—	—	38
10	—	13	—	—	—	—	3	39
10	—	—	—	—	—	—	—	40
10	—	—	20	—	—	—	—	41
10	—	478	476	22	10,350	638	278	42
10	—	491	496	22	10,350	638	281	43
10	—	—	2,951	230	—	—	69	44
10	—	491	3,447	-252	10,350	638	350	45

⁷ Decrease from 1957 due to elimination of duplications in reporting.⁸ Includes roads in Provincial Parks and 10,218 miles of development roads consisting of forest access roads, the Stewart-Cassiar Road and mining roads, all not reported previously.⁹ Secondary highways included with local roads.¹⁰ Breakdown not available.

Note: Mileage shown in the 1957 report as bituminous surface has for 1958 been subdivided into bituminous surfaced concrete base, flexible pavement-high cost and flexible pavement-low cost.

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