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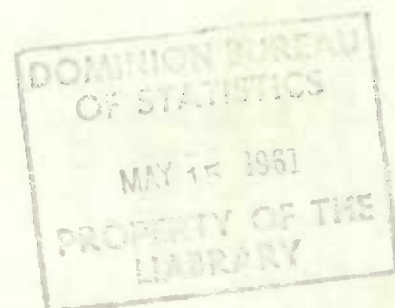
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ANNUAL



CANADA

ROAD AND STREET MILEAGE AND EXPENDITURE 1959



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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.

INTRODUCTION

Total expenditure on Canadian highways and rural roads in the five-year period April 1, 1955 to March 31, 1960 amounted to \$3.5 billion of which \$2.3 billion were spent on new construction and major reconstruction work. During the same period \$744 million were spent on streets, bridges, etc., in urban municipalities, with \$432 million of this amount on new construction and major improvements.

The surfaced mileage of Canada's highways rose to 268,712 miles in 1959 from 200,090 miles in 1955 while paved and bituminous surface mileage increased 34.6 p.c. to 45,975 miles from 34,164 miles five years previously. Surfaced roads accounted for 63.5 p.c. of all highways and rural roads open to traffic by the end of 1959 and paved highways represented 10.9 p.c. of the total at the same date.

Certain extensions in coverage of this publication were made in 1959 and should be noted. Prior to 1959 reports were not received from urban municipalities of less than 1,000 population. Nor were reports received from rural municipalities, although the provincial authorities, in the provinces where

rural municipalities have jurisdiction over roads, were in some cases able to provide estimates of the expenditures on and mileages of such roads. To obtain more accurate data and to improve coverage, it was decided in 1959 to collect reports directly from these rural and small urban municipalities.

The urban 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; semi-urban improvement districts with a population of 1,000 or over; and urban municipalities, with less than 1,000 population located in census metropolitan areas are classified as urban.

The availability of more up-to-date, municipal population data for some provinces provided the means to classify municipalities as urban or rural more accurately. All such factors have resulted in a large difference between the number of municipal authorities reporting in 1959 as compared with previous years.

ROAD AND STREET MILEAGE AND EXPENDITURE

1959

PART I—EXPENDITURE AND REVENUE

Highway and Rural Road Expenditure

Expenditure on highways and rural roads including bridges during 1959 was \$829.1 million, 7.3 p.c. higher than the 1958 total of \$772.7 million. Construction work accounted for \$582.0 million of this amount whereas \$535.6 million was spent on this phase of road work in 1958. Maintenance expenditure showed a slight decrease of 1.8 p.c. to \$206.2 million from the \$209.1 million reported for the previous year.

Provincial and territorial governments reported a total expenditure of \$657.6 million in 1959 including grants to rural municipalities but excluding \$30.5 million paid to urban municipalities as recorded in Table 4 of this report. In the previous year, total expenditure amounted to \$616.5 million. Federal expenditure was up 8.0 p.c. to \$106.1 million in 1959 from \$98.2 million in 1958. Municipal expenditures on rural roads increased by 14.8 p.c. to \$63.5 million from the \$55.4 million spent in 1958. The large increases in municipal expenditures which occurred in many provinces, especially Quebec, were mainly due to the inclusion of small urban municipalities of less than 1,000 population rather than the receipt of reports direct from the rural municipalities. Data estimated by the provincial authorities were previously included for the rural municipalities of most provinces but no such estimates were made for the small urban municipalities.

Most of the provincial and federal authorities report on the basis of a fiscal year April 1 to March 31. The main exceptions are the Railway Grade Crossing Fund and municipalities which report on a calendar year basis.

Per Capita Expenditure

Per capita expenditure for highways and rural roads in Canada increased to \$48 in 1959 from \$45 in 1958. The largest proportional per capita increase in expenditure occurred in Prince Edward Island, rising by 36.6 p.c. to \$97 in 1959 from \$71 in 1958. New Brunswick, Quebec, Saskatchewan and Alberta recorded slight decreases. The highest per capita expenditure was in the Yukon Territory at \$627 (\$468 in 1958), followed by the Northwest Territories at \$213 (\$197 in 1958). Table 1 presents a comparison of total and per capita expenditure for 1959 and 1958.

Domestic Toll Bridges, Ferries and Roads

Revenue from tolls reported in Table 3, pages 8 and 9, was up in 1959 by 17.4 p.c. to \$12,328,642 as compared with \$10,497,688 in 1958. Expenditure on all toll facilities for construction, maintenance and administration is included in the amounts reported in Table 2. 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 1959 the Montreal-Laurentian Autoroute was completed and opened as a toll facility. 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, "International Toll Bridges, Tunnels and Ferries", catalogue no. 53-202.

Urban Street Expenditure

In 1959, 968 urban authorities reported total expenditures on streets, sidewalks, bridges and ferries of \$192.0 million. Of this amount \$115.4 million or 60.1 p.c. were spent on construction; maintenance accounted for \$70.1 million or 36.5 p.c.; while, administration and general expenses accounted for the remaining \$6.5 million.

It should be noted that 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.

The Trans-Canada Highway

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 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 \$250,000,000. This limit was further increased to \$350,000,000 in 1959 and \$400,000,000 in 1960.

The agreement between the Federal Government and the Province of Quebec under which the latter agreed to participate in the Trans-Canada Highway program was not signed until October, 1960. Table 5 shows the amount spent by each of the nine provinces which participated during the fiscal year 1959-60, 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 participating provinces during the year 1959-60. 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 in Canada shown in Table 7 amounted to \$12,624,350 in 1959 compared with \$9,072,198 in 1958. Of this expenditure \$6,006,708 (\$3,632,006 in 1958) was contributed by the Railway Grade Crossing Fund and \$848,124 (\$535,919) by the railways. The provinces and municipalities accounted for the balance of \$5,769,518 (\$4,904,273) 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 on a provincial basis is shown in Table 10. Total highway and rural road mileage in Canada reported for 1959 increased to 423,035 miles from the revised figure of 397,381 miles reported for 1958. This revision was necessitated by the overstating of untreated gravel development roads by 4,506 miles in British Columbia. The main reason for this increase is the inclusion in 1959 of mileages under the jurisdiction of rural municipalities which were not previously reported. As rural municipalities in the different provinces have varying powers and responsibilities the effect of including reports from these authorities is not uniform. Also the inclusion of the mileages under these authorities is discounted in some provinces where the provincial authority had been able, in previous years, to supply an estimate of road mileage under rural municipality control.

All provinces and territories except Saskatchewan show an increase in total mileage. The decrease in Saskatchewan's mileage occurs in earth roads and is probably due to the elimination of some unused road allowance. The two areas showing substantial proportional increases in total mileage are Manitoba and the Northwest Territories. In Manitoba the increase is due to the inclusion of rural munic-

ipality mileages which had previously been underestimated by the provincial authorities. The completion of the MacKenzie Highway accounts for the increase in the mileage of the Northwest Territories.

Mileages for all types of surfaces increased between 1958 and 1959. This reversed the trend for concrete surfaced and earth roads which in previous years had reported decreased mileages. Concrete surfaced roads increased to 1,120 miles from the 1,025 miles reported for 1958 while earth roads increased to 154,323 miles from 149,895 miles with a large increase in mileage in Manitoba from 5,000 miles to 16,271 miles augmented by smaller increases in Newfoundland, Prince Edward Island and the Northwest Territories more than offsetting decreases in New Brunswick, Quebec, Ontario, Saskatchewan, Alberta and British Columbia. The mileage of bituminous surfaced roads increased to 44,855 miles in 1959 from 40,963 miles in 1958, while gravelled roads totalled 222,737 miles in 1959 compared with 205,498 miles in 1958. Included with untreated surfaced gravel roads are 306 miles of roads with other surfaces such as brick, cinders, etc.

Functional breakdowns of highways and rural roads for 1959 for the first time include the province of Quebec. Primary highways accounted for 37,263

miles or 8.8 per cent of the total highway and rural road mileage. All these primary highways, with the exception of 12 miles in Alberta, were surfaced and 25,318 miles had rigid or flexible pavement. Of the 28,017 miles of secondary highways all except 95 miles were surfaced and 7,880 were of rigid or flexible pavement. Local roads with a reported mileage of 347,226 in 1959 accounted for 82.1 per cent of highways and rural roads. However, it should be noted that local road data for the province of Nova Scotia includes data of secondary highways and for the province of Quebec includes data of secondary highways and development roads. Of the local roads almost all were either surfaced with untreated gravel (178,914 miles) or were of earth construction (150,979 miles). Development roads, defined as roads constructed to open up undeveloped areas, amounted to 10,529 miles in 1959. Of this mileage most was of untreated gravel (7,251) miles or earth (3,237 miles).

An historical summary of highway and rural road development since 1925 is shown in Table 8. Outside urban areas, there were 7.6 times as many miles

of paved roads in 1959 as there were 34 years earlier. The average number of motor vehicles per mile of surfaced highway and rural road was 18.7 in 1959 as compared with 15.3 in 1925.

Urban Street Mileage

Urban street mileage for the 968 urban authorities, for which expenditure is shown in Table 4, appears in Table 9. Street mileage open for traffic at December 31, 1959 is shown as 37,614 miles including public lanes and alleys, up 46.6 per cent from the 25,652 miles reported for 1958. This increase is due, as previously explained, to the expansion of the urban classification. Of the total mileage, 34,410 miles or 91.5 per cent were surfaced and 3,204 miles were of earth construction. The surfaced mileage consisted of 6,072 miles of rigid pavement, 13,173 miles of flexible pavement, 14,931 miles of gravel and 234 miles of other surfaces, including wood, brick, cinder and sand.

March 17, 1961

PART 1. EXPENDITURE AND REVENUE

TABLE 1. Total and Per Capita Highway and Rural Road Expenditure 1959 and 1958

Province	Expenditure on highways and rural roads (including bridges, ferries, etc.)		Per capita expenditure	
	1959	1958	1959	1958
Newfoundland	24,217,225	22,124,517	54	51
Prince Edward Island	9,903,659	7,149,030	97	71
Nova Scotia	35,409,292	31,699,342	49	45
New Brunswick	38,622,509	40,133,886	65	70
Quebec	174,974,938	178,764,634	35	37
Ontario	264,359,401	239,970,903	44	41
Manitoba	44,539,885	35,208,496	50	41
Saskatchewan	44,291,926	46,617,467	49	52
Alberta	73,657,400	72,136,357	59	60
British Columbia	106,311,442	88,678,394	68	57
Yukon Territory	8,147,812	6,082,057	627	468
Northwest Territories	4,478,339	3,941,808	213	197
Canada	829,117,828 ¹	772,748,991 ¹	48	45

¹ Includes expenditures by federal authorities totalling \$204,000 (1959) and \$242,100 (1958) not allocated by province.

TABLE 2. Highway and Rural Road Expenditure, 1959

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
	Total expenditures:					
1	Total construction ^{1,2}	581,952,166	16,706,494	8,047,041	21,661,432	24,634,111
2	Total maintenance	206,210,266	6,880,880	1,791,333	11,767,809	12,794,785
3	Total administration and general ³	40,955,396	629,851	65,285	1,980,051	1,193,613
4	Grand total expenditures^{1,2,3}	829,117,828	24,217,225	9,903,659	35,409,292	38,622,509
	Federal expenditures:					
5	Construction ¹	32,517,355	2,548,306	93,200	462,630	1,000,667
6	Maintenance	5,768,159	414	11,637	115,264	36,617
7	Administration and general ³	2,602,159	175,193	285	23,690	3,416
8	Net subsidies and grants-in-aid (Paid +, Received -)	+ 65,197,778	+ 5,698,050	+2,000,104	+ 4,525,444	+ 8,279,079
9	Totals^{1,3}	106,085,451	8,421,963	2,105,226	5,127,028	9,319,779
	Provincial expenditures:					
10	Construction	482,370,851	14,111,000	7,895,000	21,170,322	23,277,395
11	Maintenance	140,862,016	6,794,000	1,777,000	11,553,878	12,726,741
12	Administration and general	36,323,422	447,600	65,000	1,760,964	1,162,327
13	Net subsidies and grants-in-aid (Paid +, Received -)	- 1,956,101	- 5,616,142	- 1,948,440	- 4,762,181	- 8,256,479
14	Totals	657,600,188	15,736,458	7,788,560	29,722,983	28,909,984
	Municipal expenditures:					
15	Construction	66,217,510	43,052	58,841	—	327,000
16	Maintenance	59,394,160	86,466	2,696	3,200	29,480
17	Administration and general	1,454,487	7,058	—	—	—
18	Net subsidies and grants-in-aid (Paid +, Received -)	- 63,519,333	- 84,842	- 51,664	+ 240,107	—
19	Totals	63,546,824	51,734	9,873	243,307	356,480
20	Net expenditures by others ²	1,885,365	7,070	—	315,974	36,266
21	Grand total expenditures^{1,2,3}	829,117,828	24,217,225	9,903,659	35,409,292	38,622,509

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 \$204,000 federal administrative costs re Trans-Canada Highway - not allocated by provinces.

TABLE 3. Revenue Earned by Highway and Rural Road Toll Facilities, 1959

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		dollars				
1	Domestic toll bridges, tunnels and ferries ¹	10,636,847	75,000	...	1,723,550	46,913
2	Controlled access toll highways	1,192,358	...	...	...	...
3	Licences for travel in National Parks ..	499,437	—	—	—	—
4	Total revenues	12,328,642	75,000	—	1,723,550	46,913

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

TABLE 2. Highway and Rural Road Expenditure, 1959

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
117,985,056	181,722,245	35,198,111	30,165,755	48,912,150	87,628,210	4,967,917	4,323,644	1
53,278,310	60,787,841	7,377,652	11,396,645	23,606,690	13,677,501	2,696,125	154,695	2
3,711,572	21,849,315 ⁴	1,964,122	2,729,526	1,138,560	5,005,731	483,770	—	3
174,974,938	264,359,401	44,539,885	44,291,926	73,657,400	106,311,442	8,147,812	4,478,339	4
2,531,050	4,773,621	316,307	545,830	3,087,168	8,467,925	4,377,226	4,313,425	5
860,720	319,674	64,663	81,581	506,927	1,670,233	1,965,708	134,721	6
80,865	987	...	3,629	483,856	1,142,468	483,770	—	7
+ 365,452	+ 19,935,045	+ 2,376,212	+ 1,416,319	+ 2,965,310	+ 16,591,051	+ 1,045,712	—	8
3,838,087	25,029,327	2,757,182	2,047,359	7,043,261	27,871,677	7,872,416	4,448,146	9
113,172,923	134,527,643	31,747,668	15,711,955	41,948,449	78,207,586	590,691	10,219	10
45,972,029	29,213,595	5,412,381	7,642,715	7,834,334	11,184,952	730,417	19,974	11
3,175,958	21,848,328 ⁴	1,807,295	1,716,732	654,704	3,684,514	—	—	12
+ 2,098,367	+ 20,844,629	- 1,575,086	+ 5,427,382	+ 9,022,576	- 16,145,015	- 1,045,712	—	13
164,419,277	206,434,195	37,392,258	30,498,784	59,460,063	76,932,037	275,396	30,193	14
2,180,906	42,012,844	3,107,592	13,907,970	3,725,987 ⁵	853,318	...	...	15
6,398,909	31,254,572	1,900,608	3,672,349	15,265,429	780,451	...	...	16
252,284	..	156,827	1,009,165	⁶	29,153	...	...	17
- 2,812,417	- 40,779,674	- 1,007,282	- 6,878,342	-11,953,245	- 191,974	...	...	18
6,019,682	32,487,742	4,157,745	11,711,142	7,038,171	1,470,948	...	...	19
697,892	408,137	232,700	34,641	115,905	36,780	—	—	20
174,914,938	264,359,401	44,539,885	44,291,926	73,657,400	106,311,442	8,147,812	4,478,339	21

⁴ Includes \$8,974,818 for property purchase.⁵ Includes construction for which breakdown is not available.⁶ Included in maintenance.

TABLE 3. Revenue Earned by Highway and Rural Road Toll Facilities, 1959

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
dollars								
2,581,893	612,020	6,780	...	...	5,590,691	...	...	1
1,192,358	...	...	...	...	...	...	...	2
...	25,754	40,295	11,054	339,584	82,750	...	...	3
3,774,251	637,774	47,075	11,054	339,584	5,673,441	...	...	4

TABLE 4. Urban Street Expenditure, 1959

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia
1	No. of authorities included	968	26	5	43
				dollars	
	Construction:				
2	New	93,884,248	1,396,361	54,628	1,252,803
3	Reconstruction	21,482,066	36,342	39,526	212,053
4	Total construction	115,366,314	1,432,703	94,154	1,464,856
	Maintenance:				
5	Repairs and minor improvements	36,696,804	560,471	129,381	827,116
6	Sanding, snow removal	33,356,895	318,884	18,824	436,441
7	Total maintenance	70,053,699	879,355	148,205	1,263,557
8	Administration and general	6,529,824	8,052	42,145	127,731
9	Grand total expenditures	191,949,837	2,320,110	284,504	2,856,144
	Roadways				
	Construction:				
10	New	73,498,408	1,388,681	53,299	907,029
11	Reconstruction	19,012,639	36,342	39,526	171,777
12	Total construction	92,511,047	1,425,023	92,825	1,078,806
	Maintenance:				
13	Repairs and minor improvements	32,868,942	559,911	128,462	730,579
14	Sanding, snow removal	32,047,613	318,884	18,824	426,478
15	Total maintenance	64,916,555	878,795	147,286	1,157,057
16	Totals	157,427,602	2,303,818	240,111	2,235,863
	Bridges and ferries				
17	Construction	10,380,862	—	—	28,285
18	Maintenance	999,274	560	—	21,354
19	Totals	11,380,136	560	—	49,639
	Sidewalks and footpaths				
20	Construction	12,474,405	7,680	1,329	357,765
21	Maintenance	4,137,870	—	919	85,146
22	Totals	16,612,275	7,680	2,248	442,911
	Subsidies				
	Paid or owing to:				
23	Municipal authority	943,759	—	—	—
24	Other	431,151	—	9,504	323,088
25	Totals	1,374,910	—	9,504	323,088
	Received or due from:				
26	Federal authority	1,073,969	7,085	—	927
27	Provincial authority	30,491,456	282,995	—	60,267
28	Municipal authority	1,627,418	6,538	—	—
29	Other	939,474	125,000	—	—
30	Totals	34,132,317	421,618	—	61,194
31	Net expenditures (Total expenditures less net subsidies)	159,192,430	1,898,492	294,008	3,118,038

TABLE 4. Urban Street Expenditure, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
25	354	274	42	47	70	78	4	1
dollars								
1,372,604	29,808,785	35,226,021	4,912,817	5,006,217	10,563,952	4,228,073	61,987	2
597,544	5,452,015	11,002,870	720,510	581,016	1,043,977	1,778,712	17,501	3
1,970,148	35,260,800	46,228,891	5,633,327	5,587,233	11,607,929	6,006,785	79,488	4
739,974	4,527,441	20,322,627	1,199,850	1,365,633	2,767,500	4,184,683	72,128	5
600,164	16,286,557	11,496,399	836,156	583,338	1,820,981	956,743	2,408	6
1,340,138	20,813,998	31,819,026	2,036,006	1,948,971	4,588,481	5,141,426	74,536	7
65,626	2,661,308	2,172,726	90,251	483,050	208,870	663,021	7,044	8
3,375,912	58,736,106	80,220,643	7,759,584	8,019,254	16,405,280	11,811,232	161,068	9
1,282,040	23,933,946	27,567,452	4,515,424	3,592,896	6,734,383	3,461,271	61,987	10
574,052	5,238,506	9,156,141	656,368	535,266	950,686	1,637,274	16,701	11
1,856,092	29,172,452	36,723,593	5,171,792	4,128,162	7,685,069	5,098,545	78,688	12
690,805	3,954,946	18,480,403	966,494	1,159,963	2,483,952	3,643,274	70,153	13
531,945	15,729,786	10,987,054	721,065	583,338	1,803,907	923,924	2,408	14
1,222,750	19,684,732	29,467,457	1,687,559	1,743,301	4,287,859	4,567,198	72,561	15
3,078,842	48,857,184	66,191,050	6,859,351	5,871,463	11,972,928	9,665,743	151,249	16
2,124	2,926,385	5,901,645	236,199	232,480	990,018	63,726	—	17
2,500	149,448	466,488	110,121	25,986	89,249	133,568	—	18
4,624	3,075,833	6,368,133	346,320	258,466	1,079,267	197,294	—	19
111,932	3,161,963	3,603,653	225,336	1,226,591	2,932,842	844,514	800	20
114,888	979,818	1,885,081	238,326	179,684	211,373	440,660	1,975	21
226,820	4,141,781	5,488,734	463,662	1,406,275	3,144,215	1,285,174	2,775	22
—	276,838	663,412	194	—	315	3,000	—	23
—	300	76,407	—	21,852	—	—	—	24
—	277,138	739,819	194	21,852	315	3,000	—	25
77,020	150,627	683,895	4,861	—	103,302	43,762	2,490	26
213,639	805,588	26,772,498	750,901	376,766	783,175	396,699	48,928	27
12,799	12,781	1,557,241	1,000	—	15,347	21,712	—	28
264	36,132	371,771	4,758	—	339,376	62,173	—	29
303,722	1,005,128	29,385,405	761,520	376,766	1,241,200	524,346	51,418	30
3,072,190	58,008,116	51,575,057	6,998,258	7,664,340	15,164,395	11,289,886	109,650	31

TABLE 5. Trans-Canada Highway Expenditure, Fiscal Year April 1, 1959 to March 31, 1960

	Federal expenditures and grants to provinces	Total expenditures including federal grants
	dollars	
Newfoundland	5,267,000	9,931,000
Prince Edward Island	319,574	435,000
Nova Scotia	3,805,598	4,406,328
New Brunswick	7,328,148	12,271,642
Ontario	17,662,422	28,412,552
Manitoba	1,143,497	3,117,732
Saskatchewan	32,770	72,823
Alberta	1,066,131	974,851
British Columbia	14,228,867	32,316,147
National Park Newfoundland	2,601,123	2,601,123
National Parks Alberta	1,625,390	1,625,390
National Parks British Columbia	8,037,022	8,037,022
Federal administrative costs exclusive of National Parks	204,000	204,000
Totals	63,321,542	105,380,461

**TABLE 6. Federal Contributions to the Provinces for the Trans-Canada Highway
During the Fiscal Year April 1, 1959 to March 31, 1960**

Recipient province	Federal contribution	Recipient province	Federal contribution
	dollars		dollars
Newfoundland	5,353,271	Manitoba	1,724,710
Prince Edward Island	1,172,315	Saskatchewan	32,770
Nova Scotia	3,128,648	Alberta	1,006,131
New Brunswick	8,121,192	British Columbia	14,228,867
Ontario	18,436,104		

TABLE 7. Expenditure for the Elimination and Protection of Grade Crossings, 1959

	By railways	From Railway Grade Crossing Fund	By provinces and municipalities	Total
	dollars			
Newfoundland	4,136	18,970	6,250	29,356
Prince Edward Island	—	—	—	—
Nova Scotia	28,480	329,262	43,913	401,655
New Brunswick	29,049	142,656	80,309	252,014
Quebec	100,177	814,972	171,635	1,086,784
Ontario	408,137	3,110,227	2,980,864	6,499,228
Manitoba	26,544	123,047	29,623	179,214
Saskatchewan	18,994	422,267	453,404	894,665
Alberta	150,546	555,599	171,229	877,374
British Columbia	82,061	489,708	1,832,291	2,404,060
Yukon and Northwest Territories	—	—	—	—
Totals	848,124	6,006,708	5,769,518	12,624,350

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, 1925-59

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
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	19.0
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 ¹	20.4
1957	39,123	191,921	231,044 ²	192,895 ¹	423,939 ¹	19.5
1958	41,988	205,498 [†]	247,486 [†]	149,895 ¹	397,381 [†]	19.1 [†]
1959	45,975	222,757	268,712	154,323	423,035	18.7

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, 1959¹

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	—	5	90	39	41	238	10	423	21	444
Prince Edward Island ..	2	1	38	2	6	11	—	60	6	66
Nova Scotia	19	40	437	103	35	231	36	901	24	925
New Brunswick	22	7	331	78	44	85	1	568	50	618
Quebec	478	1,502	2,790	480	339	1,089	6	6,684	198	6,882
Ontario	569	1,965	2,406	1,777	2,727	2,379	94	11,917	447	12,364
Manitoba	608	214	138	65	279	667	17	1,988	199	2,187
Saskatchewan	3	109	330	54	169	624	—	1,289	871	2,160
Alberta	15	272	776	81	376	3,067	23	4,610	1,196	5,806
British Columbia	116	125	2,303	846	602	1,877	47	5,916	190	6,106
Yukon Territory	—	—	2	—	—	27	—	29	2	31
Northwest Territories ..	—	—	7	—	9	9	—	25	—	25
Canada	1,832	4,240	9,648	3,525	4,627	10,304	234	34,410	3,204	37,614

¹ Includes public lanes and alleys.

TABLE 10. Highway and Rural Road Mileage, 1959

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
				miles		
	Total of all roads:					
1	Rigid pavement—Concrete surface	1,120	—	14	7	4
2	Bituminous surfaced concrete base..	1,113	—	—	—	—
3	Flexible pavement—High cost	32,418	167	638	2,835	1,554
4	Low cost	11,324	111	4	—	1,768
5	Gravel—Surface treated	7,501	25	15	—	1
6	Surface untreated	215,236	3,548	1,664	9,593	9,871
7	Total surfaced road	268,712	3,851	2,335	12,435	13,198
8	Earth	154,323	3,022	915	2,939	—
9	Total road mileage	423,035¹	6,873	3,250	15,374	13,198
	Primary highways:					
10	Rigid pavement—Concrete surface	760	—	14	7	—
11	Bituminous surfaced concrete base..	894	—	—	—	—
12	Flexible pavement—High cost	21,135	165	513	1,589	1,312
13	Low cost	2,529	109	—	—	209
14	Gravel—Surface treated	1,108	—	4	—	—
15	Surface untreated	10,825	3,455	8	167	15
16	Total surfaced road	37,251	3,729	539	1,763	1,536
17	Earth	12	—	—	—	—
18	Total road mileage	37,263	3,729	539	1,763	1,536
	Secondary highways:					
19	Rigid pavement—Concrete surface	187	—	—	—	—
20	Bituminous surfaced concrete base..	153	—	—	—	—
21	Flexible pavement—High cost	2,654	—	114	² —	119
22	Low cost	4,886	—	4	—	567
23	Gravel—Surface treated	1,796	—	—	—	—
24	Surface untreated	18,246	7	930	² —	426
25	Total surfaced road	27,922	7	1,048	² —	1,112
26	Earth	95	—	—	² —	—
27	Total road mileage	28,017	7	1,048	² —	1,112
	Local roads:					
28	Rigid pavement—Concrete surface	171	—	—	—	4
29	Bituminous surfaced concrete base..	66	—	—	—	—
30	Flexible pavement—High cost	8,616	2	11	1,246	123
31	Low cost	3,906	—	—	—	992
32	Gravel—Surface treated	4,574	24	11	—	1
33	Surface untreated	178,914	79	726	9,426	9,408
34	Total surfaced road	196,247	105	748	10,672	10,528
35	Earth	150,979	3,020	915	2,884	—
36	Total road mileage	347,226	3,125	1,663	13,556	10,528
	Development roads:					
37	Rigid pavement—Concrete surface	2	—	—	—	—
38	Bituminous surfaced concrete base..	—	—	—	—	—
39	Flexible pavement—High cost	13	—	—	—	—
40	Low cost	3	2	—	—	—
41	Gravel—Surface treated	23	1	—	—	—
42	Surface untreated	7,251	7	—	—	22
43	Total surfaced road	7,292	10	—	—	22
44	Earth	3,237	2	—	55	—
45	Total road mileage	10,529	12	—	55	22

¹ Gravel and earth road mileages on Indian reservations not available.

TABLE 10. Highway and Rural Road Mileage, 1959

Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon Territory	Northwest Territories	No.
miles								
245	676	153	—	6	15	—	—	1
265	805	43	—	—	—	—	—	2
10,491	7,202	2,128	1,621	3,044	2,730	5	3	3
1,097	5,753	32	601	456	1,502	—	—	4
663	3,701	2,571	82	76	367	—	—	5
28,593	50,173	18,212	31,262	42,800	17,675	1,480	365	6
41,354	68,310	23,139	33,566	46,382	22,289	1,485	368	7
11,234	4,511	16,271	85,368	21,265	8,536	175	87	8
52,588	72,821	39,410	118,934	67,647	30,825	1,660	455	9
169	411	152	—	6	1	—	—	10
206	688	—	—	—	—	—	—	11
5,117	4,625	1,773	1,357	2,719	1,959	3	3	12
269	1,357	25	28	143	389	—	—	13
—	400	674	—	30	—	—	—	14
1,137	800	1,127	20	1,136	2,024	630	306	15
6,898	8,281	3,751	1,405	4,034	4,373	633	309	16
—	—	—	—	12	—	—	—	17
6,898	8,281	3,751	1,405	4,046	4,373	633	309	18
²	179	—	—	—	8	—	—	19
²	112	41	—	—	—	—	—	20
²	1,476	47	258	279	361	—	—	21
²	3,355	3	564	254	139	—	—	22
²	1,317	422	36	8	13	—	—	23
²	5,863	1,717	5,975	1,675	1,108	545	—	24
²	12,302	2,230	6,833	2,216	1,629	545	—	25
²	4	43	34	14	—	—	—	26
²	12,306	2,273	6,867	2,230	1,629	545	—	27
76	84	1	—	—	6	—	—	28
59	5	2	—	—	—	—	—	29
5,374	1,101	295	6	46	410	2	—	30
828	1,041	4	9	59	973	—	—	31
663	1,984	1,475	24	38	354	—	—	32
27,456	43,510	14,757	24,808	39,967	8,605	128	44	33
34,456	47,725	16,534	24,847	40,110	10,348	130	44	34
11,234	4,507	16,088	82,469	21,239	8,512	30	81	35
45,690	52,232	32,622	107,316	61,349	18,860	160	125	36
²	2	—	—	—	—	—	—	37
²	—	—	—	—	—	—	—	38
²	—	13	—	—	—	—	—	39
²	—	—	—	—	1	—	—	40
²	—	—	22	—	—	—	—	41
²	—	611	459	22	5,938	177	15	42
²	2	624	481	22	5,939	177	15	43
²	—	140	2,865	—	24	145	6	44
²	2	764	3,346	22	5,963	322	21	45

² Secondary highways included with local roads.

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