

88.3

C16

D

1960

Qul.

CATALOGUE No.

53-209

ANNUAL

c.3



# MOTOR TRANSPORT TRAFFIC

## PROVINCE OF QUEBEC

### 1960

*Published by Authority of*  
The Honourable George Hees, Minister of Trade and Commerce

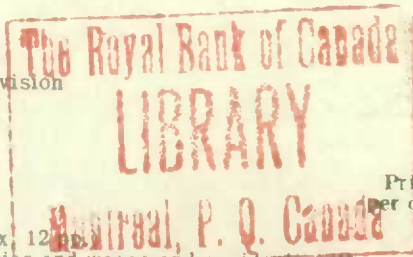
*Canada*  
**DOMINION BUREAU OF STATISTICS**  
Public Finance and Transportation Division  
Transportation Section

March, 1962  
8504-559

Price 50 cents

Reports Published by the  
Public Finance and Transportation Division  
dealing with

**ROAD TRANSPORT**



Catalogue number	Title and Description	Price per copy
53-202	<b>International Toll Bridges, Tunnels and Ferries—annual</b> (approx. 12 pp.) Investment, revenues, expenses, traffic, employees, salaries and wages and accidents with list of facilities.....	.50
53-205	<b>Motor Carriers—Freight (Common and Contract)—annual</b> (approx. 43 pp.) Number of companies, investment, operating revenues and expenses, employees, salaries and wages, equipment and accidents, by provinces, by revenue groups and by type of operation .....	.75
53-206	<b>Motor Vehicle Traffic Accidents—annual</b> (approx. 71 pp.) Number of accidents, persons killed and injured, property damage, time, place, road conditions, etc., by provinces.....	.75
53-001	<b>Motor Vehicle Traffic Accidents—quarterly</b> (approx. 31 pp.) Number of accidents, persons killed and injured, property damage, time, place, road conditions, etc., by provinces. (A condensed monthly report of motor vehicle traffic accidents is published as a release in the Dominion Bureau of Statistics Daily Bulletin) .....	.50
53-215	<b>Passenger Bus Statistics—annual</b> (approx. 14 pp.) Number of companies, investment, operating revenues and expenses, employees, salaries and wages, equipment, traffic and accidents, by provinces .....	.50
53-002	<b>Passenger Bus Statistics—Intercity and Rural—Bil. monthly</b> (approx. 4 pp.) Number of companies, passengers carried, vehicle miles run, fuel consumed, revenue by provinces .....	(\$1 a year) .10
53-201	<b>Road and Street Mileage and Expenditure—annual</b> (approx. 15 pp.) Road and street mileages, construction, maintenance and administration expenditures on highways, bridges, ferries and urban streets, by provinces.....	.50
53-217	<b>The Motor Vehicle: Part I—Rates and Regulations—annual</b> (approx. 40 pp.) Size, weight and safety regulations, reciprocal highway agreements, fees, taxes and motor carrier regulations, and gasoline tax rate review, by provinces .....	.75
53-218	<b>The Motor Vehicle: Part II—Motive Fuel Sales—annual</b> (approx. 10 pp.) Gross and net sales of gasoline and net sales of diesel oil .....	.50
53-219	<b>The Motor Vehicle: Part III—Registrations—annual</b> (approx. 14 pp.) Registrations by type of vehicle, by provinces and municipalities.....	.50
53-220	<b>The Motor Vehicle: Part IV—Revenues—annual</b> (approx. 11 pp.) Provincial government revenues from registrations and gasoline taxes; and unsatisfied judgment fund data, by provinces .....	.50
53-216	<b>Urban Transit—annual</b> (approx. 20 pp.) Investment, revenues, expenses, passengers carried, vehicle miles run, fuel consumed, by electric car, trolley coach and motor bus; equipment, accidents, employees, salaries and wages .....	.50
53-003	<b>Urban Transit—Bil. monthly</b> (approx. 4 pp.) Number of companies, passengers carried, vehicle miles run, fuel consumed, and revenue by electric car, trolley coach and motor bus, by provinces .....	(\$1 a year) .10
53-004	<b>Motor Transport Traffic: National Estimates—quarterly</b> (approx. 12 pp.) Mileage, ton miles, weight of goods carried and revenues by commodity for for-hire and private intercity carriers .....	(\$2 a year) .50

**Motor Transport Traffic**

Each of the following series of eight annual reports provides statistics on mileage, fuel consumption, truck capacity, goods carried, ton miles, revenues and number of trucks by type of operation and gross vehicle weight groups.

53-207	<b>Motor Transport Traffic: National Estimates</b> (approx. 30 pp.) .....	.75
53-208	<b>Motor Transport Traffic: Atlantic Provinces</b> (approx. 18 pp.) .....	.50
53-209	<b>Motor Transport Traffic: Quebec</b> (approx. 12 pp.) .....	.50
53-209F	<b>Transports Routiers de Marchandises: Québec</b> (approx. 12 pp.) .....	.50
53-210	<b>Motor Transport Traffic: Ontario</b> (approx. 13 pp.) .....	.50
53-211	<b>Motor Transport Traffic: Manitoba</b> (approx. 13 pp.) .....	.50
53-212	<b>Motor Transport Traffic: Saskatchewan</b> (approx. 13 pp.) .....	.50
53-213	<b>Motor Transport Traffic: Alberta</b> (approx. 14 pp.) .....	.50
53-214	<b>Motor Transport Traffic: British Columbia</b> (approx. 13 pp.) .....	.50

Subscription orders should be sent to the Publications Distribution Unit, Financial Control Section, Dominion Bureau of Statistics, Ottawa, Canada, with enclosed remittances made payable to the Receiver General of Canada.

APR 1 1962

## TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation .....	4
2. Net Ton Miles by Type of Operation .....	4
Introduction .....	5
<b>Section I. Traffic Performed by Quebec Registered Trucks Inside and Outside the Province, January 1 – December 31, 1960</b>	
Table	
1. All Trucks by Type of Operation .....	7
2. All Trucks by Gross Vehicle Weight Group .....	7
3. Selected Statistics by Gross Vehicle Weight Group .....	8
4. Selected Statistics by Commodity Group .....	8
<b>Section II. Traffic Performed by Quebec Registered Trucks Within the Province, January 1 – December 31, 1960</b>	
5. All Trucks by Type of Operation .....	9
6. All Trucks by Gross Vehicle Weight Group .....	9
<b>Section III. Interprovincial and International Traffic Performed by Quebec Registered Trucks, January 1 – December 31, 1960</b>	
7. Tons of Goods Carried by Province of Origin and Destination .....	10
8. Selected Statistics by Commodity Group .....	10
<b>Appendix</b>	
A. Population B. Survey Response .....	11



PROVINCE OF QUEBEC  
JANUARY 1-DECEMBER 31, 1960

CHART-1  
TRUCK REGISTRATIONS BY TYPE OF OPERATION

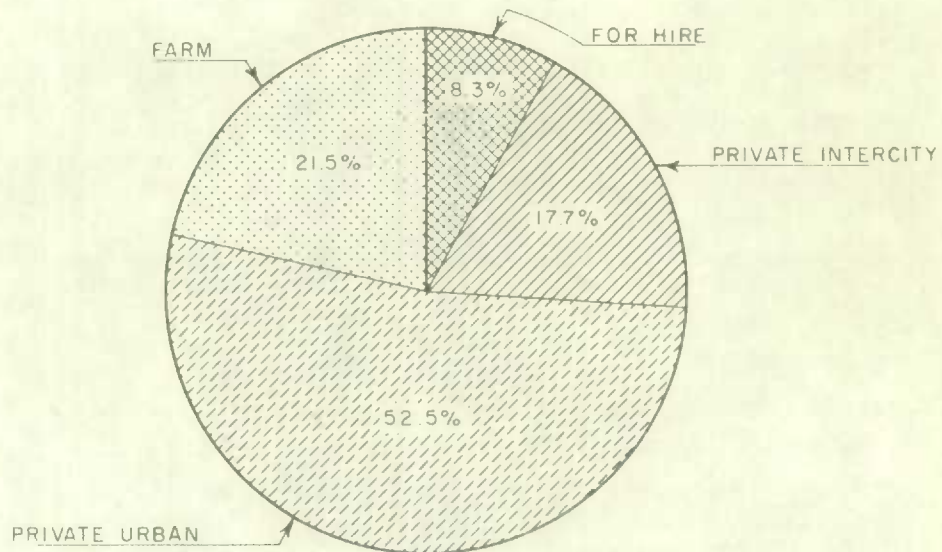
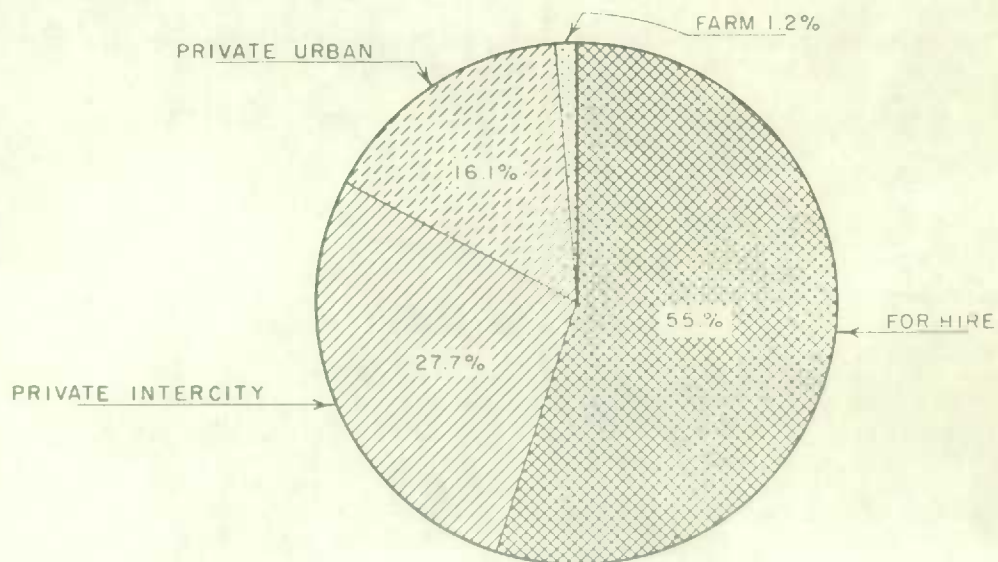


CHART-2  
NET TON MILES BY TYPE OF OPERATION



## INTRODUCTION

The 1960 annual report of motor transport traffic in the Province of Quebec is based upon a sample of approximately 12 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The surveys were therefore spread over twelve weeks during the year.

All trucks registered in the province are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In this report vehicles have been classified into the four functional categories as follows:

- For hire — "L" licensed vehicles operated in intercity service and/or urban areas.
- Private intercity — "F" licensed vehicles operated beyond urban areas.
- Private urban — "F" licensed vehicles operated only within urban areas.
- Farm — "N" licensed vehicles.

Since Quebec motor vehicles are licensed on a tare weight basis, it was necessary to estimate equivalent gross vehicle weights to provide comparability with other annual provincial reports. For each truck in the sample the gross vehicle weight was estimated from the recorded tare weight and either the estimated carrying capacity or the weight of the heaviest load carried. The gross vehicle weight of each tractor-trailer combination was estimated from the tare weight of the tractor, the estimated tare weight of the trailer plus the weight of the heaviest load carried. It is emphasized that this method provides only approximately equivalent gross vehicle weights and therefore exact provincial comparability of the weight group classification cannot be assured.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates", catalogue no. 53-207, for 1957, 1958 and 1959.

### Expansion of Survey Results

Prior to 1959 the distribution of sample vehicles by gross vehicle weight group and by type of operation was used to provide population estimates as at the time of the sample selection. Sample results were then expanded to represent the operations of all trucks registered in the province by multiplying the sample results by the inverse ratio of the sample to the population and by the ratio of three months to one week. The expanded data for each of the four quarterly segments were added together to obtain annual provincial estimates.

Using this method it was found that in some provinces the truck population varied greatly from quarter to quarter. In many cases these changes were not due to an increase or decrease in the

actual truck population but were merely the result of the sample being chosen from an incomplete set of registration files.

To improve the accuracy of the provincial estimates the sample results, since 1959, have been blown up to represent the characteristics of a constant average population throughout the year rather than the population as at four different periods during the year. For this purpose the peak quarterly registration population of the preceding year is deemed to be the average population for the current year. The breakdown of the average population into classes and gross vehicle weight groups is based upon the distribution reported in the whole of the previous year.



### Review of Survey Results

The estimated population of trucks performing transportation services in Quebec during the year rose 4.9 per cent to 165,500 from 157,764 in 1959. Of these 13,700 or 8.3 per cent were for hire trucks; 29,353 or 17.7 per cent were private intercity vehicles; 86,947 or 52.5 per cent were private vehicles operating wholly within urban areas; and 35,500 or 21.5 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However in one or two cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

#### Section I: Traffic Inside and Outside the Province

Section I contains estimates of total traffic performed both inside and outside the province by Quebec registered trucks.

A new table has been added to this section which summarizes for the year the quarterly commodity tables included in the quarterly report "Motor Transport Traffic, National Estimates", catalogue no. 53-004.

Although comprising only 8.3 per cent of Quebec's truck population, for hire vehicles accounted for 55.0 per cent of the total net ton miles and 25.9 per cent of the total tons of goods carried during 1960. This results from the high average yearly mileage of these trucks, 21,100 miles as compared with 8,800 miles for all trucks, and from the heavy average load carried of 8.3 tons compared to 4.1 tons for all trucks. Since almost one half of all for hire vehicles have a gross vehicle weight

of over 10 tons the heavier loads carried by these trucks are to be expected. The predominance of heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline, 6.7 compared with 9.6 for all trucks. It is estimated that urban operations accounted for 10.2 per cent of the total net ton miles performed by Quebec registered for hire trucks and 3.4 per cent of the total net ton miles performed by private intercity vehicles.

Some trucks in Quebec under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for about 10 per cent of the total mileage travelled by Quebec registered trucks.

#### Section II: Traffic Within the Province

This section presents estimates of traffic performed by Quebec registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 41.9 per cent and private intercity 9.3 per cent of their total net ton miles outside Quebec.

#### Section III: Interprovincial and International Traffic

Interprovincial and international traffic accounted for a significant proportion of the total traffic performed by for hire vehicles, representing approximately one third of the total net ton miles performed and one sixth of the revenue earned by these vehicles. Over two thirds of the total tons of goods carried in this type of traffic by Quebec registered for hire trucks was transported to or from Ontario and one fifth to or from the United States.

### Appendix

During the year survey questionnaires were sent to the owners or operators of 19,307 trucks. Of this number 8,611 were returned completed and 4,748 trucks were reported not used during the

survey week. The remaining 5,948 were either returned incomplete and unusable or not returned at all.

February 23, 1962.

**SECTION I. TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE  
JANUARY 1 - DECEMBER 31, 1960**

**TABLE 1. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	289,721	401,154	642,601	122,782	1,455,258
Average yearly mileage per truck .....		21,100	13,700	7,400	3,500	8,800
Average distance each ton was carried .....		58.8	24.9	10.8	15.3	27.7
Percentage of total mileage travelled empty .....		21.5	53.3	42.8	61.1	43.0
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	30,567	42,352	57,949	9,124	139,992
Miles per gallon of gasoline .....		6.7	9.0	11.0	13.5	9.6
Total gallons of diesel oil consumed .....	'000	13,909	2,968	1,277	—	18,154
Miles per gallon of diesel oil .....		5.9	6.1	5.8	—	6.0
Total gallons of other fuel consumed .....	'000	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	31,954	37,863	50,852	2,746	123,415
Average weight carried <sup>1</sup> .....	ton	8.3	5.0	1.5	0.9	4.1
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	1,879,817	944,467	549,705	42,104	3,416,093
Average net ton miles per truck .....		137,200	32,200	6,300	1,200	20,600
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	3,335,339	2,249,393	1,608,253	157,523	7,350,508
Average capacity ton miles per truck .....		243,500	76,600	18,500	4,400	44,400
Percentage of capacity utilized .....		56.4	42.0	34.2	26.7	46.5
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	3,980,836	2,480,966	2,193,378	273,063	8,928,243
Average gross ton miles per truck .....		290,600	84,500	25,200	7,700	53,900
<b>Revenue:</b>						
Total revenue .....	\$'000	154,350	—	—	—	—
Revenue per ton mile .....	¢	8.2	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	53.5	—	—	—	—
Average revenue per truck .....	\$	11,300	—	—	—	—
Estimated annual population .....		13,700	29,353	86,947	35,500	165,500

**TABLE 2. All Trucks by Gross Vehicle Weight Group**

	0 - 2½ tons 0 - 5,000 lb.	2½ - 5 tons 5,001 - 10,000 lb.	5 - 7½ tons 10,001 - 15,000 lb.	7½ - 10 tons 15,001 - 20,000 lb.	10 - 15 tons 20,001 - 30,000 lb.	Over 15 tons 30,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	276,010	552,373	115,832	99,523	139,799	1,455,258
Average yearly mileage per truck .....		6,000	7,800	7,800	9,300	11,800	8,800
Average distance each ton was carried .....		19.3	19.2	13.7	16.0	15.3	27.7
Percentage of total mileage travelled empty .....		61.8	48.6	31.3	30.0	34.7	43.0
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	18,097	46,122	12,221	12,589	19,755	139,992
Miles per gallon of gasoline .....		15.3	12.0	9.5	7.9	7.1	9.6
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	18,154
Miles per gallon of diesel oil .....		—	—	—	—	—	6.0
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	1,789	9,192	11,903	14,616	30,716	123,415
Average weight carried <sup>1</sup> .....	ton	0.3	0.6	2.0	3.4	5.1	4.1
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	34,599	176,386	162,939	233,895	469,317	3,416,093
Average net ton miles per truck .....		800	2,500	11,000	21,900	39,800	20,600
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	211,712	716,773	405,956	553,879	1,151,112	7,350,508
Average capacity ton miles per truck .....		4,600	10,100	27,300	51,800	97,500	44,400
Percentage of capacity utilized .....		16.3	24.6	40.1	42.2	40.8	46.5
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	436,429	1,289,023	545,038	615,262	1,121,344	8,928,243
Average gross ton miles per truck .....		9,500	18,200	36,700	57,500	95,000	53,900
Estimated annual population .....		45,886	70,924	14,860	10,695	11,804	165,500

See footnotes at end of Table 6, page 9.

TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
20,000 lb. and under .....	7,153	70,397	146,424	2.1	20.5	46,521	31.8
20,001-30,000 lb. ....	7,491	26,887	137,555	5.1	18.4	18,866	13.7
30,001-50,000 lb. ....	17,310	129,389	1,595,838	12.3	92.2	88,963	5.6
50,001 lb. and over .....	—	—	—	—	—	—	—
<b>Totals .....</b>	<b>31,954</b>	<b>226,673</b>	<b>1,879,817</b>	<b>8.3</b>	<b>58.8</b>	<b>154,350</b>	<b>8.2</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lb. and under .....	2,523	64,079	35,947	0.6	14.2		
10,001-20,000 lb. ....	6,272	36,427	121,644	3.3	19.4		
20,001-30,000 lb. ....	12,123	38,624	226,208	5.9	18.7		
30,001-50,000 lb. ....	16,945	48,380	560,668	11.6	33.1		
50,001 lb. and over .....	—	—	—	—	—		
<b>Totals .....</b>	<b>37,863</b>	<b>187,510</b>	<b>944,467</b>	<b>5.0</b>	<b>24.9</b>		

TABLE 4. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	479	3,058	32,391	10.6	67.6	1,957	6.0
Animals and animal products .....	2,207	43,905	308,765	7.0	139.9	18,861	6.1
Mine products .....	11,027	9,919	102,324	10.3	9.3	9,016	8.8
Forest products .....	720	4,306	52,348	12.2	72.7	3,316	6.3
Manufactures and miscellaneous .....	10,821	101,824	868,576	8.5	80.3	73,594	8.5
N.O.S. general freight .....	6,700	63,661	515,413	8.1	76.9	47,606	9.2
<b>Totals .....</b>	<b>31,954</b>	<b>226,673</b>	<b>1,879,817</b>	<b>8.3</b>	<b>58.8</b>	<b>154,350</b>	<b>8.2</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	490	6,312	46,500	7.4	94.9		
Animals and animal products .....	1,313	25,759	71,799	2.8	54.7		
Mine products .....	21,895	19,781	170,637	8.6	7.8		
Forest products .....	3,574	17,115	158,349	9.3	44.3		
Manufactures and miscellaneous .....	9,569	106,655	453,172	4.2	47.4		
N.O.S. general freight .....	1,022	11,888	44,010	3.7	43.0		
<b>Totals .....</b>	<b>37,863</b>	<b>187,510</b>	<b>944,467</b>	<b>5.0</b>	<b>24.9</b>		



**SECTION II. TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS WITHIN THE PROVINCE  
JANUARY 1 - DECEMBER 31, 1960**

**TABLE 5. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	226,678	376,043	642,601	122,782	1,368,104
Average yearly mileage per truck .....		16,500	12,800	7,400	3,500	8,300
Average distance each ton was carried .....		34.4	22.7	10.8	15.3	20.6
Percentage of total mileage travelled empty .....		26.0	52.6	42.8	61.1	44.3
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	27,723	39,774	57,949	9,124	134,570
Miles per gallon of gasoline .....		6.9	9.1	11.0	13.5	9.7
Total gallons of diesel oil consumed .....	'000	5,906	2,396	1,277	—	9,579
Miles per gallon of diesel oil .....		5.9	6.1	5.8	—	6.0
Total gallons of other fuel consumed .....	'000	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	31,760	37,752	50,852	2,746	123,110
Average weight carried <sup>1</sup> .....	ton	6.5	4.8	1.5	0.9	3.3
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	1,091,676	857,027	549,705	42,104	2,540,512
Average net ton miles per truck .....		79,700	29,200	6,300	1,200	15,400
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	2,241,621	2,058,296	1,608,253	157,523	6,065,693
Average capacity ton miles per truck .....		163,600	70,100	18,500	4,400	36,700
Percentage of capacity utilized .....		48.7	41.6	34.2	26.7	41.9
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	2,469,133	2,264,312	2,193,378	273,063	7,199,886
Average gross ton miles per truck .....		180,200	77,100	25,200	7,700	43,500
<b>Revenue:</b>						
Total revenue .....	\$'000	132,553	—	—	—	—
Revenue per ton mile .....	¢	12.1	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	58.5	—	—	—	—
Average revenue per truck .....	\$	9,700	—	—	—	—
Estimated annual population .....		13,700	29,353	86,947	35,500	165,500

**TABLE 6. All Trucks by Gross Vehicle Weight Group**

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	275,764	540,265	114,506	98,544	135,768	1,368,104
Average yearly mileage per truck .....		6,000	7,600	7,700	9,200	11,500	8,300
Average distance each ton was carried .....		19.3	19.1	13.6	15.7	14.7	20.6
Percentage of total mileage travelled empty .....		61.8	47.6	31.2	30.1	34.7	44.3
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	18,081	45,096	12,078	12,467	19,221	134,570
Miles per gallon of gasoline .....		15.3	12.0	9.5	7.9	7.1	9.7
Total gallons of diesel oil consumed .....	'000	—	—	—	—	—	9,579
Miles per gallon of diesel oil .....		—	—	—	—	—	6.0
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	1,789	9,192	11,901	14,594	30,693	123,110
Average weight carried <sup>1</sup> .....	ton	0.3	0.6	2.0	3.3	5.1	3.3
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	34,534	175,572	161,533	229,639	451,623	2,540,512
Average net ton miles per truck .....		800	2,500	10,900	21,500	38,300	15,400
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	211,515	699,395	401,478	546,958	1,114,668	6,065,693
Average capacity ton miles per truck .....		4,600	9,900	27,000	51,100	94,400	36,700
Percentage of capacity utilized .....		16.3	25.1	40.2	42.0	40.5	41.9
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	436,100	1,263,668	539,310	607,354	1,084,924	7,199,886
Average gross ton miles per truck .....		9,500	17,800	36,300	56,800	91,900	43,500
Estimated annual population .....		45,886	70,924	14,860	10,695	11,804	165,500

<sup>1</sup> Net ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.<sup>3</sup> Gross ton miles performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

**SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS  
JANUARY 1 - DECEMBER 31, 1960**

**TABLE 7. Tons of Goods Carried by Province of Origin and Destination**

Origin and destination	For hire			Private intercity			Total		
	Into Quebec	Out of Quebec	Total	Into Quebec	Out of Quebec	Total	Into Quebec	Out of Quebec	Total
	'000 tons								
Newfoundland .....	—	—	—	—	—	—	—	—	—
Prince Edward Island .....	4	4	8	—	—	—	4	4	8
Nova Scotia .....	—	1	1	—	1	1	—	2	2
New Brunswick .....	4	27	31	23	93	116	27	120	147
Ontario .....	426	599	1,025	110	501	611	536	1,100	1,636
Manitoba .....	—	—	—	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—	—	—	—
Alberta .....	53	63	116	—	—	—	53	63	116
British Columbia .....	—	—	—	—	—	—	—	—	—
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—
United States .....	135	162	297	133	100	233	268	262	530
<b>Totals .....</b>	<b>622</b>	<b>856</b>	<b>1,478</b>	<b>266</b>	<b>685</b>	<b>961</b>	<b>888</b>	<b>1,551</b>	<b>2,439</b>

**TABLE 8. Selected Statistics by Commodity Group**

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	36	1,090	13,534	12.4	373.0	654	4.8
Animals and animal products .....	94	9,799	126,456	12.9	1,351.7	3,151	2.5
Mine products .....	75	489	6,582	13.5	87.5	310	4.7
Forest products .....	38	599	7,977	13.3	212.7	563	7.1
Manufactures and miscellaneous .....	847	26,429	330,847	12.5	390.5	12,920	3.9
N.O.S. general freight .....	388	12,356	164,727	13.3	424.4	8,349	5.1
Totals .....	1,478	50,762	650,123	12.8	439.9	25,947	4.0
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	66	1,501	20,037	13.4	301.1		
Animals and animal products .....	17	847	6,154	7.3	344.5		
Mine products .....	121	177	2,054	11.6	17.1		
Forest products .....	376	2,578	21,354	8.3	56.7		
Manufactures and miscellaneous .....	369	8,252	76,765	9.3	208.3		
N.O.S. general freight .....	12	436	3,243	7.4	283.0		
Totals .....	961	13,791	129,607	9.4	134.8		

## APPENDIX

Type of operation	A. Population						
	0 - 2½ tons 0 - 5,000 lb.	2½ - 5 tons 5,001 - 10,000 lb.	5 - 7½ tons 10,001 - 15,000 lb.	7½ - 10 tons 15,001 - 20,000 lb.	10 - 15 tons 20,001 - 30,000 lb.	Over 15 tons 30,001 lb. and over	Total
	Estimated Quebec truck population in 1960						
For hire .....	426	2,052	2,265	2,324	2,458	4,175	13,700
Private:							
Intercity .....	5,818	11,198	2,311	2,449	4,113	3,464	29,353
Urban .....	22,252	42,043	8,334	5,501	5,125	3,692	86,947
Farm .....	17,390	15,831	1,950	421	108	—	35,500
Totals .....	45,886	70,924	14,860	10,695	11,804	11,331	165,500
	B. Survey Response						
	Total number of trucks selected in samples		Number of questionnaires returned completed		Number of sampled trucks reported not in use during survey week		Number of questionnaires not returned or returned incomplete and unusable
For hire .....	4,051		2,208		799		1,044
Private:							
Intercity .....	5,819		2,413		1,497		1,709
Urban .....	8,247		3,480		2,099		2,668
Farm .....	1,390		510		353		527
Totals .....	19,307		6,611		4,748		5,948



STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010529417

1960  
PROVINCE OF QUEBEC  
MOTOR TRANSPORT TRAFFIC