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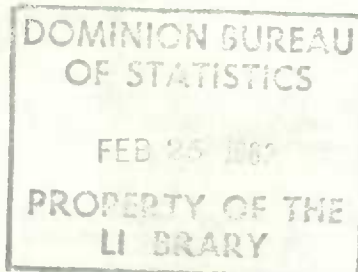
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**MOTOR TRANSPORT TRAFFIC**  
**NATIONAL ESTIMATES**  
**1961**



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

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

February 1963  
8504-565

Price 50 cents

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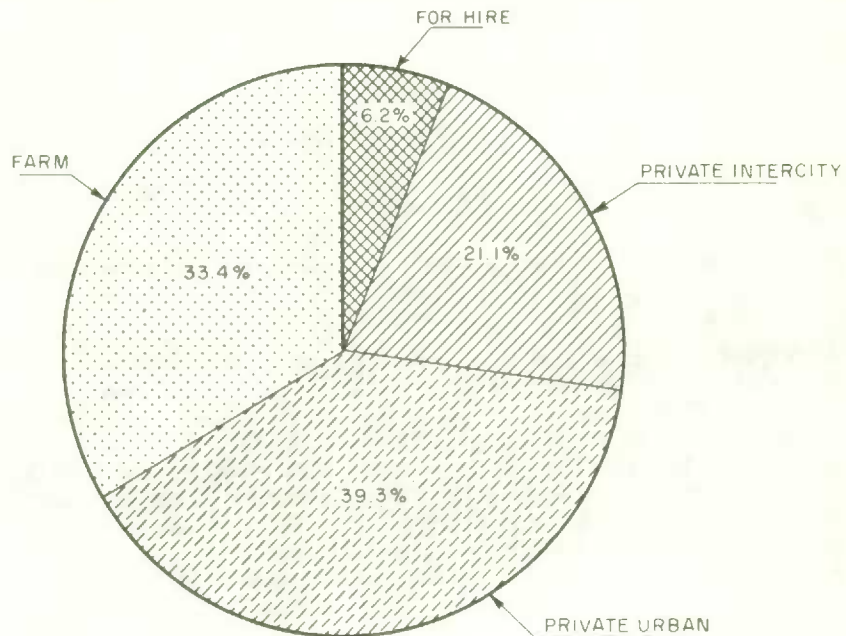
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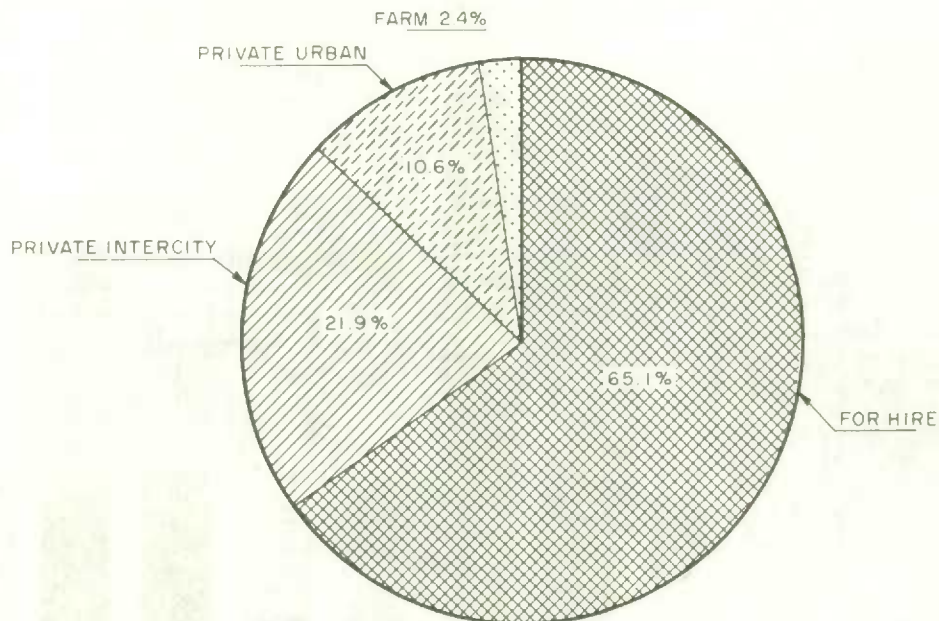
MOTOR TRANSPORT TRAFFIC  
NATIONAL ESTIMATES  
1961

CHART-1 TRUCK REGISTRATIONS BY TYPE OF OPERATION



Source: Appendix I.

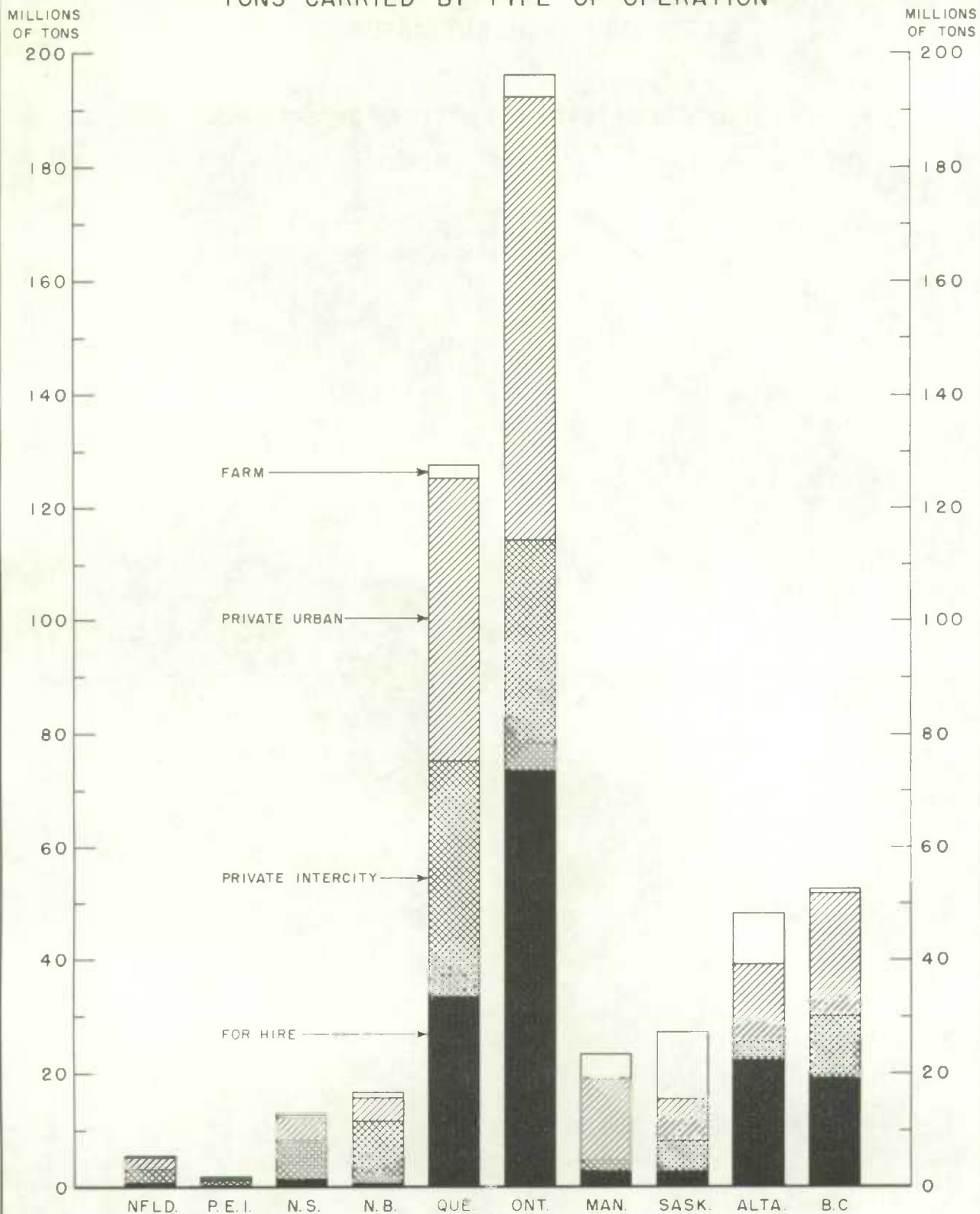
CHART-2 NET TON MILES BY TYPE OF OPERATION



Source: Section I, Table I.

CHART-3

# TONS CARRIED BY TYPE OF OPERATION



Source: Section I, Tables 4, 7, 10 and 11.



## INTRODUCTION

This report presents the results of sample surveys conducted in each of the ten provinces during one week in each month of 1961. Truck transport statistics published in provincial and regional reports for 1961 have been summarized herein.

These motor transport traffic surveys have been made possible through the invaluable co-operation of provincial government departments, particularly motor vehicle registration branches, together with the assistance of the Canadian Trucking Associations and its affiliates and several interested organizations and individuals who appreciate the need for comprehensive traffic data on Canadian truck transport.

National estimates of truck traffic statistics have been published since 1957. A summary table has been included in this report which provides a comparison of principal statistics by function of carrier for the years 1959, 1960 and 1961. The data contained in this table should be used only as a guide to the trends in truck traffic as methods used in estimating the traffic have been improved over the years and consequently some changes in concepts have had to be made which affect the comparability of the statistics.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity

Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics. A breakdown of the commodity groupings used in this report is presented in Appendix III.

### Sample Selection

The 1961 national estimates of motor transport traffic in Canada are based upon a sample of approximately 11 per cent of trucks registered in the various provinces. To allow for seasonal variations, the sample is selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample is spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month.

Trucks not normally engaged in the transportation of commodities are excluded. Hence the following types of vehicles are eliminated from the survey: tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, diggers, graders and other road building equipment, military and government-owned vehicles. Trailers as such are excluded from the sample, but details of tractor-trailer combinations are obtained by including the power units or tractors in the survey.

The sample selection ratios for each province are as follows:

Province	Gross vehicle weight groups (pounds)					
	0-5,000	5,001-10,000	10,001-15,000	15,001-20,000	20,001-30,000	Over 30,000
Newfoundland .....	1/32	1/16	1/4	1/4	1/4	1/4
Prince Edward Island .....	1/32	1/8	1/4	1/4	1/4	1/4
Nova Scotia .....	1/12	1/80	1/12	1/12	1/4	1/4
New Brunswick .....	1/8	1/80	1/12	1/12	1/4	1/4
Quebec <sup>1</sup> .....	1/144	1/144	1/24	1/24	1/6	1/6
Ontario .....	1/216	1/72	1/24	1/24	1/6	1/6
Manitoba .....	1/144	1/144	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/48)	(1/48)	(1/12)	(1/12)
Saskatchewan .....	1/72	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/144)	(1/216)	(1/72)	(1/72)	(1/36)	(1/12)
Alberta .....	1/144	1/72	1/24	1/24	1/6	1/6
(Farm trucks) .....	(1/288)	(1/144)	(1/24)	(1/72)	(1/12)	(1/12)
British Columbia .....	1/144	1/72	1/24	1/24	1/6	1/6

<sup>1</sup> Vehicles in Quebec were selected by the following tare weight groups which for the purposes of this series have been made to correspond to the above gross vehicle weight classes: 0-3,300 lb., 3,301-5,800 lb., 5,801-7,300 lb., 7,301-8,550 lb., 8,551-11,050 lb., over 11,050 lb.



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; private intercity vehicles are those owned by firms and individuals and operated 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.

The existing provincial licensing system is used where possible to classify vehicles into these four functional categories. (See Appendix I for 1961 population estimates and Appendix IV for the description of vehicle classifications in each province.)

### Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample in each province have to be expanded to represent the traffic of each provincial truck population. Provincial data have then to be added together to arrive at totals. Current procedures in arriving at provincial and national totals are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratios provides an estimated quarterly population for each province. Prior to 1959 the data for each quarterly provincial sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by weight group. Therefore it is only necessary to multiply the sample in each weight group in each province by the inverse of the appropriate selection ratios to arrive at quarterly provincial populations broken down by weight group.
3. The four quarterly populations by gross vehicle weight are added together and an average provincial weight group distribution for the year is computed. These weight group distributions are applied to the constant population. The provincial populations then have to be distributed by function. In provinces where it is not possible to use the existing licence categories this is done by using the distribution obtained from the previous year's questionnaires. This latter procedure was introduced in 1959. Prior to that year the distribution by function, when not available from the licence, was determined from completed questionnaires for each quarter, separately.
4. Now that the constant provincial populations have been calculated and broken down by function and gross vehicle weight group it is necessary to allocate vehicles included in current surveys in the same manner.
5. Expansion ratios for each gross vehicle weight group of each functional category are then calculated in each province by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant provincial population.
6. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period. Data obtained from completed questionnaires are then multiplied by the expansion ratios.
7. The expanded provincial data for the four quarters are added together to arrive at annual provincial totals.
8. Annual provincial totals are added together to obtain national estimates.

### Compilation of National Estimates

#### (a) Duplication of Data

In Section I, all figures are the sum of traffic performed "inside and outside the province" of registration as published in individual provincial reports. Because some vehicles are registered in more than one province this concept involves some duplication of figures. Movements of Canadian registered trucks in the United States are included whether they are intransit between Canadian points or engaged in international trade. This concept also covers trucks operating outside the province of registration, either under special permit or according to the terms of reciprocal agreements. As there is a tendency for increasing freedom of interprovincial movement under reciprocal licensing arrangements, the amount of duplication that is due to multiple licensing may be expected to diminish over the years. A summary of reciprocal highway agreements for trucking, current at December 31, 1961, appears in the Dominion Bureau of Statistics publication: "The Motor Vehicle 1961, Part I, Rates and Regulations", catalogue no. 53-217.

In Section II, duplication is avoided by taking only 50 per cent of interprovincial operations reported by each operator. As reciprocity of licensing arrangements increases, it will be necessary to reduce data collected on these operations by some proportion less than fifty per cent.



Although it was necessary to reduce inter-provincial data to obtain realistic national estimates, it does not follow that the interprovincial traffic reported for any individual province is overstated since the statistics represent the performance of vehicles registered in each particular province. It is only when provincial data are added together that difficulties arise.

#### (b) Weight Classifications

There continues to be some lack of provincial comparability in vehicle weight classifications as the province of Quebec licenses trucks by tare weight, while the other provinces use gross vehicle weight. Where vehicles are licensed by tare weight, the gross vehicle weight is estimated from the recorded tare weight and either the estimated capacity or the heaviest load carried during the survey week.

#### (c) Classification by Type of Operation

In the compilation of statistics for each province, as previously explained, the existing provincial licensing system is used where possible to classify vehicles into the four functional categories: for hire, private intercity, private urban and farm. Unfortunately this method does not provide exactly comparable vehicle classes between provinces thus creating a problem in the provision of national totals. An examination of Appendix IV, which describes the vehicle classifications used in this report, will reveal these variations.

#### Concepts

Statistics which had to be calculated from basic information such as miles travelled, fuel consumed, weight of goods carried and loaded miles are listed below together with the methods used to calculate them. A reproduction of the questionnaire used in 1961 appears in Appendix V.

**Average yearly mileage per truck**—total annual mileage performed divided by the estimated annual truck population.

**Net ton miles**—weight of each load carried multiplied by the distance it was transported. For vehicles engaged in intercity or rural operations, net ton miles were calculated on a trip basis from the log kept during the survey week. For urban operations, the average load carried during the week was calculated and then multiplied by the number of miles travelled with a load to obtain net ton miles.

**Average distance each ton was carried**—total net ton miles divided by total tons of goods carried.

**Percentage of total mileage travelled empty**—annual empty mileage was computed by subtracting loaded miles from total miles. The annual number of empty miles performed were then taken as a percentage of total miles.

**Miles per gallon of gasoline (or diesel or other fuel)**—total miles travelled during year divided by total gallons of gasoline consumed.

**Average weight carried**—total net ton miles performed divided by total miles travelled with a load.

**Average net ton miles per truck**—total net ton miles performed during the year divided by the estimated annual truck population.

**Capacity ton miles**—total number of miles travelled multiplied by the estimated capacity or the weight of the heaviest load carried, whichever was larger.

**Average capacity ton miles per truck**—total capacity ton miles divided by the estimated annual truck population.

**Percentage of capacity utilized**—total net ton miles performed taken as a percentage of total capacity ton miles. This measures the effective utilization of motor vehicles on a net ton mile basis rather than by weight carried.

**Gross ton miles**—weight of vehicle empty (tare weight) multiplied by total miles travelled plus total net ton miles performed. The tare weight of each vehicle was estimated, except for vehicles in Quebec which were registered by tare weight.

**Average gross ton miles per truck**—total gross ton miles divided by estimated annual truck population.

Further information on the history and organization of motor transport traffic surveys may be found in the previous reports: "Motor Transport Traffic, National Estimates" for 1957 to 1960.

#### Review of Survey Results

The estimated population of trucks and road tractors performing transportation services in Canada during the year rose 3.7 per cent to 942,900 from 909,400 in 1960. Of these 58,306 or 6.2 per cent were for hire vehicles; 198,804 or 21.1 per cent were private intercity vehicles; 370,942 or 39.3

per cent were private vehicles operating wholly within urban areas; and 314,848 or 33.4 per cent were farm trucks. Almost one third of the total number of trucks were registered in Ontario and one half were registered in the two provinces of Quebec and Ontario.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight group. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However, in some 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. Total Truck Traffic by Canadian Registered Trucks**

Total miles travelled by transport trucks and road tractors increased by 7.7 per cent to 6,761 million in 1961 from 6,278 million in 1960 and the average mileage per truck rose to 7,200 miles from 6,900 in the previous year. The average distance each ton of goods was carried increased to 35.2 miles from 32.6 and the proportion of empty miles was constant at one half.

Gasoline consumption was 669,402,000 gallons in 1961 an increase of 9.8 per cent over the 609,432,000 gallons reported in 1960. Diesel fuel consumption was up 22.6 per cent in 1961 to 94,126,000 gallons from 76,776,000 gallons in the previous year.

The total weight of goods carried by all trucks increased between the two years to 511,709,000 tons from 478,702,000 tons and the average weight carried increased to 5.2 tons from 5.0. With the increase in loaded miles travelled and tons of goods carried the total net ton miles performed rose by 15.3 per cent to 17,996,048,000 from 15,602,184,000 in 1960 and the average net ton miles per truck increased by 11.0 per cent.

Trucks with a gross vehicle weight of 20,001 lb. and over comprised approximately one eighth of the total truck population in 1961. However these

vehicles had an average yearly mileage of almost 19,000 miles, an average load of 10.8 tons and travelled empty only 31.8 per cent of the time. Consequently these heavier trucks performed 87.9 per cent of the road transportation services of the country measured in terms of net ton miles.

Charts 1 and 2 indicate that for hire trucks and road tractors, which represented only 6.2 per cent of total registrations, performed 65.1 per cent of truck transport net ton miles. For hire vehicles carried an average load of 10.8 tons compared with an average of 5.2 tons for trucks of all types and transported each ton an average distance of 74.8 miles as against 35.2 miles for all four categories of trucks.

#### **Section II. Interprovincial and International Traffic by Canadian Registered Trucks**

As this survey was conducted on a vehicle basis, information was requested regarding the origin and destination of each vehicle rather than the origin and destination of the commodities carried. Therefore, these estimates pertain only to the direct movement of goods across national or provincial boundaries. Interchange traffic, such as road tractors which deliver their trailers to border points for transfer to other tractors which, in turn transport them through the adjoining province or state, is excluded from this section.

For hire trucks engaged in interprovincial and international traffic carried 5,045,000 tons of goods, of which 32 per cent were transported between the provinces of Quebec and Ontario. Private intercity trucks transported 2,026,000 tons of goods between provinces, of which 26 per cent was moved between Quebec and Ontario.

#### **Appendix II**

During 1961, survey questionnaires were mailed to the owners or operators of 104,434 motor vehicles. Of this number 43,479 were returned completed and 30,070 trucks were reported not used during the

survey week. The remaining 30,885 were either returned incomplete and unusable or not returned at all.

December 17, 1962.



Comparative summary of total traffic of all trucks by type of operation, 1959-61

	Estimated annual population	Mileage			Fuel			Weight of goods carried	
		Total mileage travelled	Average distance each ton was carried	Percentage of total mileage travelled empty	Total gallons consumed			Total tons of goods carried	Average weight carried
					Gasoline	Diesel	Other		
		'000	miles		'000	'000	'000	'000	tons
<b>For hire:</b>									
1959 .....	54,495	1,380,390	72.6	25.6	159,504	68,777	154	145,413	10.3
1960 .....	55,016	1,348,359	68.9	26.4	160,823	65,390	238	144,912	10.1
1961 .....	58,306	1,486,180	74.8	26.7	178,707	78,454	79	156,712	10.8
<b>Private intercity:</b>									
1959 .....	211,315	2,214,127	25.4	59.3	204,747	9,351	444	136,883	3.9
1960 .....	185,919	1,861,885	28.2	57.1	182,396	10,021	598	120,287	4.2
1961 .....	198,804	2,126,373	31.4	56.2	211,711	13,870	628	125,756	4.2
<b>Private urban:</b>									
1959 .....	317,782	1,947,205	10.0	49.5	173,709	1,233	—	154,628	1.6
1960 .....	361,845	2,104,531	9.9	51.9	190,230	1,365	—	176,967	1.7
1961 .....	370,942	2,224,047	9.7	51.4	206,197	1,802	—	196,146	1.8
<b>Farm:</b>									
1959 .....	304,883	890,368	13.8	67.5	69,037	—	—	26,843	1.3
1960 .....	306,620	963,336	12.9	66.0	75,983	—	—	36,536	1.4
1961 .....	314,848	923,917	13.3	63.5	72,787	—	—	33,095	1.3
<b>All trucks:</b>									
1959 .....	888,475	6,432,090	34.4	50.2	606,997	79,361	598	463,767	5.0
1960 .....	909,400	6,278,111	32.6	50.1	609,432	76,776	836	478,702	5.0
1961 .....	942,900	6,760,517	35.2	49.1	669,402	94,126	707	511,709	5.2
		Net ton miles		Capacity ton miles		Gross ton miles	Revenue		
		Total net ton miles performed	Average net ton miles per truck	Total capacity ton miles	Percentage of capacity utilized		Total revenue	Revenue per ton mile	Average revenue per truck
		'000		'000		'000	\$'000	¢	\$
<b>For hire:</b>									
1959 .....	10,553,130	193,700	18,291,058	57.7	21,447,166	679,600	6.4	12,500	
1960 .....	9,984,777	181,500	17,576,454	56.8	22,426,938	657,662	6.6	12,000	
1961 .....	11,716,288	200,900	20,539,624	57.0	26,234,097	722,664	6.2	12,400	
<b>Private intercity:</b>									
1959 .....	3,472,685	16,400	9,047,371	38.4	10,864,735	—	—	—	
1960 .....	3,386,630	16,200	8,474,129	40.0	10,145,099	—	—	—	
1961 .....	3,944,344	19,800	9,616,305	40.2	11,762,936	—	—	—	
<b>Private urban:</b>									
1959 .....	1,540,177	4,600	4,584,913	33.6	6,369,107	—	—	—	
1960 .....	1,759,002	4,900	5,113,859	34.4	7,111,042	—	—	—	
1961 .....	1,896,602	5,100	5,511,863	34.4	7,630,203	—	—	—	
<b>Farm:</b>									
1959 .....	371,541	1,200	1,556,886	23.9	2,298,390	—	—	—	
1960 .....	471,575	1,500	1,737,333	27.1	2,619,522	—	—	—	
1961 .....	438,614	1,400	1,645,921	26.6	2,495,266	—	—	—	
<b>All trucks:</b>									
1959 .....	15,937,533	17,900	33,480,228	47.6	40,979,398	—	—	—	
1960 .....	15,602,184	17,200	32,901,775	47.4	42,302,601	—	—	—	
1961 .....	17,996,046	19,100	37,513,713	48.0	46,122,502	—	—	—	





TABLE 3. All Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled ..... '000	67,290	28,568	220,333	174,189	1,550,813	2,357,276
Average yearly mileage per truck .....	5,600	4,500	7,100	7,500	8,700	8,100
Average distance each ton was carried .....	8.6	16.1	21.7	19.3	28.1	35.7
Percentage of total mileage travelled empty .....	62.8	66.9	60.4	54.1	42.6	46.9
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	5,727	2,371	21,546	17,822	155,003	254,543
Miles per gallon of gasoline .....	11.8	12.0	10.1	9.5	9.3	8.6
Total gallons of diesel oil consumed ..... '000	—	—	336	851	17,594	27,367
Miles per gallon of diesel oil .....	—	—	5.9	6.0	5.9	5.8
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	5,473	1,531	13,063	16,689	127,484	196,095
Average weight carried ..... ton	1.9	2.6	3.2	4.0	4.0	5.6
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	47,122	24,673	283,129	322,557	3,581,966	6,991,223
Average net ton miles per truck .....	3,900	3,900	9,100	13,900	20,200	23,900
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	146,771	63,942	745,435	756,643	8,005,005	14,600,231
Average capacity ton miles per truck .....	12,200	10,000	24,000	32,600	45,000	50,000
Percentage of capacity utilized .....	32.1	38.6	38.0	42.6	44.7	47.9
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	206,832	86,708	973,516	956,826	9,432,110	18,530,547
Average gross ton miles per truck .....	17,200	13,500	31,300	41,200	53,100	63,400
Estimated annual population .....	12,000	6,400	31,100	23,200	177,700	292,300
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled ..... '000	382,585	455,172	873,207	651,084	6,760,517	
Average yearly mileage per truck .....	6,000	4,200	6,900	6,400	7,200	
Average distance each ton was carried .....	48.7	38.2	58.9	32.8	35.2	
Percentage of total mileage travelled empty .....	49.0	57.0	50.1	58.2	49.1	
<b>Fuel:</b>						
Total gallons of gasoline consumed ..... '000	35,148	42,618	77,390	57,234	669,402	
Miles per gallon of gasoline .....	9.5	9.8	9.6	10.0	9.3	
Total gallons of diesel oil consumed ..... '000	8,157	6,050	20,547	13,224	94,126	
Miles per gallon of diesel oil .....	5.9	6.0	6.0	5.9	5.9	
Total gallons of other fuel consumed ..... '000	—	—	580	127	707	
Miles per gallon of other fuel .....	—	—	8.9	5.5	6.7	
<b>Weight of goods carried:</b>						
Total tons of goods carried ..... '000	23,503	27,190	48,234	52,447	511,709	
Average weight carried ..... ton	5.9	5.3	6.6	6.3	5.2	
<b>Net ton miles:</b>						
Total net ton miles performed ..... '000	1,144,034	1,037,547	2,843,099	1,720,698	17,996,048	
Average net ton miles per truck .....	18,000	9,600	22,400	16,900	19,100	
<b>Capacity ton miles:</b>						
Total capacity ton miles ..... '000	2,155,275	2,317,944	5,125,772	3,596,695	37,513,713	
Average capacity ton miles per truck .....	33,900	21,500	40,300	35,300	39,800	
Percentage of capacity utilized .....	53.1	44.8	55.5	47.8	48.0	
<b>Gross ton miles:</b>						
Total gross ton miles ..... '000	3,028,914	3,043,403	7,175,517	4,688,129	48,122,502	
Average gross ton miles per truck .....	47,700	28,300	56,500	46,000	51,000	
Estimated annual population .....	63,500	107,700	127,100	101,900	942,900	

TABLE 4. For Hire Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>Mileage:</b>						
Total mileage travelled '000	2,938	818	13,176	13,281	301,145	587,831
Average yearly mileage per truck	6,000	10,200	14,600	25,300	20,300	27,600
Average distance each ton was carried	7.6	96.2	55.1	143.0	56.6	63.5
Percentage of total mileage travelled empty	39.8	30.7	26.7	29.0	25.2	27.2
<b>Fuel:</b>						
Total gallons of gasoline consumed '000	358	115	1,806	1,415	34,950	83,812
Miles per gallon of gasoline	8.2	7.1	6.2	5.8	6.5	5.4
Total gallons of diesel oil consumed '000	—	—	336	851	12,174	23,073
Miles per gallon of diesel oil	—	—	5.9	6.0	6.0	5.8
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	840	35	1,358	755	33,096	73,702
Average weight carried ton	3.6	6.0	7.7	11.4	8.3	10.9
<b>Net ton miles:</b>						
Total net ton miles performed '000	6,404	3,383	74,829	107,970	1,874,665	4,676,887
Average net ton miles per truck	13,000	42,300	82,700	205,700	126,700	219,500
<b>Capacity ton miles:</b>						
Total capacity ton miles '000	14,445	6,596	145,201	183,803	3,511,987	8,566,653
Average capacity ton miles per truck	29,400	82,500	160,400	350,100	237,300	402,100
Percentage of capacity utilized	44.3	51.3	51.5	56.7	53.4	54.6
<b>Gross ton miles:</b>						
Total gross ton miles '000	17,610	8,355	190,139	233,474	3,989,679	10,662,433
Average gross ton miles per truck	35,900	104,400	210,100	444,700	269,600	500,500
<b>Revenue:</b>						
Total revenue \$'000	1,990	437	7,450	6,659	157,006	292,802
Revenue per ton mile ¢	31.1	12.9	10.0	6.2	8.4	6.3
Revenue per mile (total mileage travelled) ¢	67.7	53.4	56.5	50.1	52.1	49.8
Average revenue per truck \$	4,100	5,500	8,200	12,700	10,600	13,700
Estimated annual population	491	80	905	525	14,800	21,305
	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	
<b>Mileage:</b>						
Total mileage travelled '000	84,415	79,187	273,491	129,898	1,486,180	
Average yearly mileage per truck	52,800	46,600	25,600	21,000	25,500	
Average distance each ton was carried	290.7	244.1	109.8	55.1	74.8	
Percentage of total mileage travelled empty	19.5	31.3	26.8	29.1	26.7	
<b>Fuel:</b>						
Total gallons of gasoline consumed '000	7,396	9,237	26,913	12,705	178,707	
Miles per gallon of gasoline	5.2	5.3	5.7	5.8	6.0	
Total gallons of diesel oil consumed '000	7,635	5,004	19,924	9,457	78,454	
Miles per gallon of diesel oil	6.0	6.0	6.0	6.0	5.9	
Total gallons of other fuel consumed '000	—	—	79	—	79	
Miles per gallon of other fuel	—	—	5.5	—	5.5	
<b>Weight of goods carried:</b>						
Total tons of goods carried '000	2,862	2,605	22,292	19,167	156,712	
Average weight carried ton	12.2	11.7	12.2	11.5	10.8	
<b>Net ton miles:</b>						
Total net ton miles performed '000	831,927	635,824	2,447,489	1,056,890	11,716,288	
Average net ton miles per truck	520,000	374,000	228,700	170,500	200,900	
<b>Capacity ton miles:</b>						
Total capacity ton miles '000	1,267,419	1,127,420	3,835,708	1,880,392	20,539,624	
Average capacity ton miles per truck	792,100	663,200	358,500	303,300	352,300	
Percentage of capacity utilized	65.6	56.4	63.8	56.2	57.0	
<b>Gross ton miles:</b>						
Total gross ton miles '000	1,842,075	1,483,882	5,356,213	2,450,237	26,234,097	
Average gross ton miles per truck	1,151,300	872,900	500,600	395,200	449,900	
<b>Revenue:</b>						
Total revenue \$'000	39,392	31,733	100,636	84,559	722,664	
Revenue per ton mile ¢	4.7	5.0	4.1	8.0	6.2	
Revenue per mile (total mileage travelled) ¢	46.7	40.1	36.8	65.1	48.6	
Average revenue per truck \$	24,800	18,700	9,400	13,600	12,400	
Estimated annual population	1,600	1,700	10,700	6,200	58,306	



TABLE 5. Selected Statistics of For Hire Trucks by Gross Vehicle Weight Group

Gross vehicle weight	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	Estimated annual population
	'000 tons	'000	'000	tons	miles	\$'000	¢	
20,000 lb. and under .....	13,988	132,130	307,101	2.3	22.0	80,078	26.1	17,547
20,001-30,000 lb. ....	60,649	176,266	978,192	5.5	16.1	107,715	11.0	16,827
30,001-50,000 lb. ....	39,222	209,717	1,858,488	8.9	47.4	169,152	9.1	10,653
50,001 lb. and over .....	42,853	570,833	8,572,507	15.0	200.0	365,719	4.3	13,279
<b>Totals .....</b>	<b>156,712</b>	<b>1,088,946</b>	<b>11,716,288</b>	<b>10.8</b>	<b>74.8</b>	<b>722,664</b>	<b>6.2</b>	<b>58,306</b>

TABLE 6. Selected Statistics of For Hire Trucks by Commodity Group

Commodity group	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	¢
Live animals .....	2,078	33,547	252,263	7.5	121.4	16,637	6.6
Food, feed, beverages and tobacco .....	15,611	223,632	2,354,938	10.5	150.9	108,934	4.6
Crude materials, inedible .....	73,509	94,243	1,093,942	11.6	14.9	62,491	5.7
Fabricated materials, inedible .....	29,395	176,507	2,550,876	14.5	86.8	130,724	5.1
End products, inedible .....	10,339	206,721	1,624,286	7.9	157.1	155,198	9.6
General freight .....	25,780	354,296	3,639,983	10.8	149.0	248,680	6.5
<b>Totals .....</b>	<b>156,712</b>	<b>1,088,946</b>	<b>11,716,288</b>	<b>10.8</b>	<b>74.8</b>	<b>722,664</b>	<b>6.2</b>

TABLE 7. Private Intercity Trucks by Province

	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	37,010	16,671	135,743	104,042	468,899	785,224	45,991	111,444	207,806	213,543	2,126,373
Average yearly mileage per truck .....	6,100	5,600	8,500	8,700	13,500	11,300	15,900	11,700	10,600	8,300	10,700
Average distance each ton was carried .....	11.4	16.3	24.6	15.1	25.9	37.8	54.7	38.1	44.6	42.8	31.4
Percentage of total mileage travelled empty .....	69.5	69.2	63.7	61.0	53.3	50.7	43.4	59.5	62.5	67.2	56.2
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	3,079	1,437	13,546	11,044	50,303	81,355	5,120	10,948	16,831	18,048	211,711
Miles per gallon of gasoline .....	12.0	11.6	10.0	9.4	8.9	9.4	8.5	9.6	11.9	10.6	9.6
Total gallons of diesel oil consumed ..... '000	—	—	—	—	3,749	4,294	391	1,046	623	3,767	13,870
Miles per gallon of diesel oil .....	—	—	—	—	5.7	5.6	5.8	6.1	6.0	5.7	5.7
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—	—	501	127	628
Miles per gallon of other fuel .....	—	—	—	—	—	—	—	—	7.2	5.5	6.8
<b>Weight of goods carried:</b>											
Total tons of goods carried ..... '000	2,255	1,122	6,704	11,038	42,176	40,732	1,866	5,545	3,409	10,909	125,756
Average weight carried ..... ton	2.3	3.6	3.4	4.1	5.0	4.0	3.9	4.7	2.0	6.7	4.2
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	25,815	18,263	165,085	167,111	1,093,888	1,541,403	102,005	211,452	152,201	467,121	3,944,344
Average net ton miles per truck .....	4,200	6,100	10,300	14,000	31,500	22,300	35,200	22,200	7,700	18,200	19,800
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	82,352	44,529	462,827	429,920	2,650,041	3,797,740	252,464	522,344	514,010	1,060,078	9,816,305
Average capacity ton miles per truck .....	13,500	14,900	28,900	36,000	76,400	54,800	87,100	54,700	26,100	41,200	49,400
Percentage of capacity utilized .....	31.3	41.0	35.7	38.9	41.3	40.6	40.4	40.5	29.6	44.1	40.2
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	113,439	57,060	572,768	515,223	2,878,281	4,665,518	307,592	645,910	691,513	1,315,632	11,762,936
Average gross ton miles per truck .....	18,700	19,100	35,800	43,100	83,000	67,300	106,100	67,700	35,200	51,200	59,200
Estimated annual population ..	6,079	2,983	16,001	11,950	34,684	69,283	2,900	9,542	19,664	25,718	198,804

TABLE 8. Selected Statistics of Private Intercity Trucks by Gross Vehicle Weight Group

Gross vehicle weight	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Estimated annual population
	'000 tons	'000	'000	tons	miles	
10,000 lb. and under .....	6,211	399,824	207,605	0.5	33.4	139,831
10,001-20,000 lb. ....	26,229	192,348	550,509	2.9	21.0	28,845
20,001-30,000 lb. ....	43,071	162,843	910,913	5.6	21.1	18,416
30,001-50,000 lb. ....	29,475	84,191	794,340	9.4	26.9	7,420
50,001 lb. and over .....	20,770	92,046	1,480,977	16.1	71.3	4,292
<b>Totals</b> .....	<b>125,756</b>	<b>931,252</b>	<b>3,944,344</b>	<b>4.2</b>	<b>31.4</b>	<b>198,804</b>

TABLE 9. Selected Statistics of Private Intercity Trucks by Commodity Group

Commodity group	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
Live animals .....	855	17,859	67,165	3.8	78.6
Food, feed, beverages and tobacco .....	15,557	292,595	1,025,478	3.5	65.9
Crude materials, inedible .....	65,659	105,611	901,960	8.5	13.7
Fabricated materials, inedible .....	32,711	163,875	1,229,789	7.5	37.6
End products, inedible .....	6,430	246,099	475,044	1.9	73.9
General freight .....	4,544	105,213	244,908	2.3	53.9
<b>Totals</b> .....	<b>125,756</b>	<b>931,252</b>	<b>3,944,344</b>	<b>4.2</b>	<b>31.4</b>

TABLE 10. Private Urban Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled ..... '000	24,584	4,678	47,677	44,763	857,218	797,544	173,830	64,434	140,268	269,053	2,224,047
Average yearly mileage per truck .....	5,000	4,100	5,300	6,100	7,500	5,700	6,800	5,100	5,700	4,600	6,000
Average distance each ton was carried .....	6.1	6.6	7.6	9.2	11.6	9.2	11.4	7.3	7.9	8.6	9.7
Percentage of total mileage travelled empty .....	55.5	56.1	59.3	45.9	38.9	53.1	58.7	62.9	61.7	62.8	51.4
<b>Fuel:</b>											
Total gallons of gasoline consumed ..... '000	2,091	364	4,293	4,347	60,395	75,720	16,389	6,065	12,918	23,615	206,197
Miles per gallon of gasoline .....	11.8	12.8	11.1	10.3	10.7	10.5	10.6	10.6	10.9	11.4	10.7
Total gallons of diesel oil consumed ..... '000	—	—	—	—	1,671	—	131	—	—	—	1,802
Miles per gallon of diesel oil .....	—	—	—	—	5.1	—	3.9	—	—	—	5.0
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	2,352	162	4,578	4,155	49,906	77,891	14,369	7,476	13,626	21,831	196,146
Average weight carried ..... ton	1.3	0.5	1.8	1.6	1.4	1.9	2.3	2.3	2.0	1.9	1.8
<b>Net ton miles:</b>											
Total net ton miles performed ..... '000	14,240	1,075	35,013	38,331	577,270	719,357	163,394	54,421	107,012	186,689	1,896,802
Average net ton miles per truck .....	2,900	900	3,900	5,300	6,600	5,200	6,400	4,300	4,400	3,200	5,100
<b>Capacity ton miles:</b>											
Total capacity ton miles ..... '000	46,836	5,244	104,309	116,372	1,685,179	1,993,231	472,886	164,676	321,549	601,581	5,511,863
Average capacity ton miles per truck .....	9,500	4,500	11,600	16,000	19,200	14,300	18,400	13,100	13,100	10,300	14,900
Percentage of capacity utilized .....	30.4	20.5	33.6	32.9	34.3	36.1	34.6	33.0	33.3	31.0	34.4
<b>Gross ton miles:</b>											
Total gross ton miles ..... '000	69,957	8,960	153,105	168,267	2,294,927	2,790,084	643,893	222,337	444,524	834,149	7,630,203
Average gross ton miles per truck .....	14,200	7,800	17,100	23,100	26,100	20,000	25,100	17,700	18,100	14,200	20,600
Estimated annual population ..	4,921	1,154	8,962	7,289	87,818	139,398	25,700	12,558	24,536	58,606	370,942

TABLE 11. Farm Trucks by Province

	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>Mileage:</b>											
Total mileage travelled .....	'000 2,758	6,401	23,737	12,103	123,553	186,677	76,349	200,107	251,642	38,590	923,917
Average yearly mileage per truck .....	5,400	2,900	4,500	3,500	3,100	3,000	2,400	2,400	3,500	3,400	2,900
Average distance each ton was carried .....	26.1	9.2	19.4	12.3	15.7	14.2	10.6	11.7	15.3	13.5	13.3
Percentage of total mileage travelled empty .....	63.2	73.4	62.2	53.1	64.6	66.5	62.3	64.0	59.6	73.3	63.5
<b>Fuel:</b>											
Total gallons of gasoline consumed .....	'000 199	455	1,901	1,018	9,355	13,656	6,243	16,368	20,728	2,866	72,787
Miles per gallon of gasoline .....	13.9	14.1	12.5	11.9	13.2	13.7	12.5	12.2	12.1	13.5	12.7
Total gallons of diesel oil consumed .....	'000 —	—	—	—	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—	—	—	—	—
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 28	212	423	741	2,306	3,770	4,406	11,564	8,907	740	33,095
Average weight carried .....	ton 0.7	1.1	0.9	1.6	0.8	0.9	1.6	1.9	1.3	1.0	1.3
<b>Net ton miles:</b>											
Total net ton miles performed .....	'000 683	1,952	6,202	9,145	36,123	53,576	46,708	135,850	136,397	9,998	438,614
Average net ton miles per truck .....	1,300	900	1,600	2,700	900	900	1,400	1,600	1,900	900	1,400
<b>Capacity ton miles:</b>											
Total capacity ton miles .....	'000 3,138	7,573	33,098	26,548	157,798	242,607	162,506	503,504	454,505	54,644	1,645,921
Average capacity ton miles per truck .....	6,200	3,500	6,300	7,700	3,900	3,900	4,900	6,000	6,300	4,800	5,200
Percentage of capacity utilized .....	21.1	25.8	24.8	34.5	22.9	22.1	28.7	27.0	30.0	18.3	26.6
<b>Gross ton miles:</b>											
Total gross ton miles .....	'000 5,826	12,333	57,504	39,862	269,223	412,512	235,354	691,274	683,267	88,111	2,495,266
Average gross ton miles per truck .....	11,400	5,600	11,000	11,600	6,700	6,600	7,100	8,200	9,500	7,700	7,900
Estimated annual population .....	509	2,183	5,232	3,436	40,400	62,314	33,300	83,900	72,200	11,374	314,848

## SECTION II. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC BY CANADIAN REGISTERED TRUCKS, 1961

TABLE 12. Goods Carried by Province of Origin and Destination

To:	For hire									
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and Northwest Territories	United States	Total
'000 tons										
From:										
Atlantic Provinces .....	—	42	4	—	—	—	—	—	9	55
Quebec .....	54	—	762	6	—	61	2	—	163	1,048
Ontario .....	12	842	—	128	40	152	24	—	277	1,475
Manitoba .....	—	5	169	—	162	74	11	—	4	425
Saskatchewan .....	—	2	9	310	—	51	—	—	—	372
Alberta .....	—	64	108	57	118	—	236	49	15	647
British Columbia .....	—	—	15	12	39	179	—	14	112	371
Yukon and Northwest Territories .....	—	—	—	—	—	7	1	—	—	8
United States .....	14	127	357	16	1	19	110	—	—	644
<b>Totals</b> .....	<b>80</b>	<b>1,082</b>	<b>1,424</b>	<b>529</b>	<b>360</b>	<b>543</b>	<b>384</b>	<b>63</b>	<b>580</b>	<b>5,045</b>
Private intercity										
'000 tons										
From:										
Atlantic Provinces .....	—	17	—	—	—	—	—	—	148	165
Quebec .....	20	—	308	—	1	—	—	—	61	390
Ontario .....	1	212	—	9	1	—	2	—	174	399
Manitoba .....	—	—	33	—	24	2	—	—	9	68
Saskatchewan .....	—	1	2	23	—	11	—	—	6	43
Alberta .....	—	—	—	3	20	—	47	5	4	79
British Columbia .....	—	—	5	—	3	35	—	50	54	147
Yukon and Northwest Territories .....	—	—	—	—	—	2	12	—	—	14
United States .....	20	188	227	11	—	4	271	—	—	721
<b>Totals</b> .....	<b>41</b>	<b>418</b>	<b>575</b>	<b>46</b>	<b>49</b>	<b>54</b>	<b>332</b>	<b>55</b>	<b>456</b>	<b>2,026</b>



TABLE 13. 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	¢
30,000 lb. and under .....	82	3,779	16,264	4.3	198.3	2,211	13.6
30,001-50,000 lb. ....	914	44,325	392,505	8.9	429.4	28,301	7.2
50,001 lb. and over .....	4,049	162,535	2,571,542	15.8	635.1	75,932	3.0
<b>Totals .....</b>	<b>5,045</b>	<b>210,639</b>	<b>2,980,311</b>	<b>14.1</b>	<b>590.7</b>	<b>106,444</b>	<b>3.6</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		
20,000 lb. and under .....	154	15,645	20,164	1.3			130.9
20,001-30,000 lb. ....	338	5,113	33,609	6.6			99.4
30,001-50,000 lb. ....	358	7,381	68,238	9.2			190.6
50,001 lb. and over .....	1,176	18,591	292,930	15.8			249.1
<b>Totals .....</b>	<b>2,026</b>	<b>46,730</b>	<b>414,941</b>	<b>8.9</b>			<b>204.8</b>

TABLE 14. Selected Statistics by Commodity Group

Commodity classification	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	¢
Live animals .....	110	4,207	50,590	12.0	459.9	1,591	3.1
Food, feed, beverages and tobacco .....	919	47,987	731,364	15.2	795.8	18,344	2.5
Crude materials, inedible .....	254	8,030	126,204	15.7	496.9	3,460	2.7
Fabricated materials, inedible .....	1,495	28,748	461,841	16.1	308.9	17,479	3.8
End products, inedible .....	833	49,009	470,994	9.6	565.4	29,694	6.3
General freight .....	1,434	72,658	1,139,318	15.7	794.5	35,876	3.1
<b>Totals .....</b>	<b>5,045</b>	<b>210,639</b>	<b>2,980,311</b>	<b>14.1</b>	<b>590.7</b>	<b>106,444</b>	<b>3.6</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		
Live animals .....	36	1,763	13,595	7.7			377.6
Food, feed, beverages and tobacco .....	350	13,281	124,354	9.4			355.3
Crude materials, inedible .....	782	4,451	63,806	14.3			81.6
Fabricated materials, inedible .....	624	7,954	109,757	13.8			175.9
End products, inedible .....	170	12,352	65,684	5.3			386.4
General freight .....	64	6,929	37,745	5.4			589.8
<b>Totals .....</b>	<b>2,026</b>	<b>46,730</b>	<b>414,941</b>	<b>8.9</b>			<b>204.8</b>

## Appendix I

## Estimated Truck Population in Canada by Province, Type of Operation and Gross Vehicle Weight Group, 1961

Type of operation and gross vehicle weight	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
<b>For hire:</b>												
0- 5,000 lb. ....					63	448	219	—	—	217	86	1,033
5,001-10,000 " .....					326	2,414	753	—	78	370	600	4,541
10,001-15,000 " .....					367	2,351	1,026	49	26	289	359	4,467
15,001-20,000 " .....	1	1	1	1	326	2,562	2,379	226	71	1,371	571	7,506
20,001-30,000 " .....					379	2,728	6,994	245	325	4,315	1,841	16,827
30,001-50,000 " .....					282	2,706	3,055	407	627	2,163	1,413	10,653
50,001 lb. and over .....					258	1,591	6,879	673	573	1,975	1,330	13,279
<b>Totals</b> .....	<b>491</b>	<b>80</b>	<b>905</b>	<b>525</b>	<b>2,001</b>	<b>14,800</b>	<b>21,305</b>	<b>1,600</b>	<b>1,700</b>	<b>10,700</b>	<b>6,200</b>	<b>58,306</b>
<b>Private — Intercity:</b>												
0- 5,000 lb. ....					6,916	6,692	34,871	—	4,215	10,440	10,829	74,163
5,001-10,000 " .....					21,151	13,004	12,896	1,665	1,811	5,352	9,789	65,668
10,001-15,000 " .....					1,707	2,853	3,443	249	495	915	1,138	10,800
15,001-20,000 " .....	1	1	1	1	4,112	3,256	7,046	352	824	1,598	857	18,045
20,001-30,000 " .....					2,605	4,845	6,902	336	1,365	953	1,410	18,416
30,001-50,000 " .....					390	2,884	2,096	193	606	258	993	7,420
50,001 lb. and over .....					132	950	2,029	105	226	148	702	4,292
<b>Totals</b> .....	<b>6,079</b>	<b>2,983</b>	<b>16,001</b>	<b>11,950</b>	<b>37,013</b>	<b>34,684</b>	<b>69,283</b>	<b>2,900</b>	<b>9,542</b>	<b>19,664</b>	<b>25,718</b>	<b>198,804</b>
<b>Urban:</b>												
0- 5,000 lb. ....					4,818	22,940	82,788	5,158	7,148	14,940	27,329	165,121
5,001-10,000 " .....					12,713	42,392	30,376	14,022	2,695	4,290	22,494	128,984
10,001-15,000 " .....					1,919	7,416	7,797	1,439	593	767	2,562	22,493
15,001-20,000 " .....	1	1	1	1	1,879	5,595	8,574	2,713	810	2,226	2,240	24,037
20,001-30,000 " .....					800	5,401	6,304	1,268	897	1,461	2,410	18,541
30,001-50,000 " .....					197	4,072	3,557	1,100	415	852	1,573	11,766
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>4,921</b>	<b>1,154</b>	<b>8,962</b>	<b>7,289</b>	<b>22,326</b>	<b>87,816</b>	<b>139,398</b>	<b>25,700</b>	<b>12,558</b>	<b>24,536</b>	<b>58,608</b>	<b>370,942</b>
<b>Farm:</b>												
0- 5,000 lb. ....					2,101	19,553	47,308	2,254	16,400	34,775	5,466	127,857
5,001-10,000 " .....					8,159	18,157	12,377	23,126	36,900	19,796	4,269	122,784
10,001-15,000 " .....					558	2,022	1,093	4,173	10,903	3,243	996	22,988
15,001-20,000 " .....	1	1	1	1	432	579	1,048	3,088	12,112	11,949	468	29,676
20,001-30,000 " .....					110	89	480	578	7,327	2,376	159	11,119
30,001-50,000 " .....					—	—	8	81	258	61	16	424
50,001 lb. and over .....					—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>509</b>	<b>2,183</b>	<b>5,232</b>	<b>3,436</b>	<b>11,360</b>	<b>40,400</b>	<b>62,314</b>	<b>33,300</b>	<b>83,900</b>	<b>72,200</b>	<b>11,374</b>	<b>314,848</b>
<b>All trucks:</b>												
0- 5,000 lb. ....					13,898	49,833	165,186	7,412	27,763	60,372	43,710	368,174
5,001-10,000 " .....					42,349	75,967	56,404	38,813	41,484	29,808	37,152	321,977
10,001-15,000 " .....					4,551	14,642	13,359	5,910	12,017	5,214	5,055	60,748
15,001-20,000 " .....	1	1	1	1	6,749	11,992	19,047	6,379	13,617	17,144	4,136	79,264
20,001-30,000 " .....					3,894	13,063	20,680	2,427	9,914	9,105	5,820	64,903
30,001-50,000 " .....					869	9,662	8,716	1,781	1,906	3,334	3,995	30,263
50,001 lb. and over .....					390	2,541	8,908	778	799	2,123	2,032	17,571
<b>Totals</b> .....	<b>12,000</b>	<b>8,400</b>	<b>31,100</b>	<b>23,200</b>	<b>72,700</b>	<b>177,700</b>	<b>292,300</b>	<b>63,500</b>	<b>107,700</b>	<b>127,100</b>	<b>101,900</b>	<b>942,900</b>

1 Population estimates by gross vehicle weight group are not considered sufficiently reliable.

## Appendix II

## Survey Response, by Type of Operation and Province, 1961

Type of operation	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
Total number of trucks selected in samples											
For hire .....	252	51	436	351	4,250	8,711	778	992	4,708	2,198	22,727
Private:											
Intercity .....	1,866	873	2,437	2,005	5,398	10,534	577	1,818	1,784	2,855	30,147
Urban .....	1,770	367	1,482	1,289	8,279	12,566	2,774	1,857	2,444	4,854	37,684
Farm .....	92	581	318	466	1,217	2,429	1,399	3,399	3,088	887	13,876
Totals .....	3,980	1,872	4,673	4,111	19,144	34,242	5,828	8,066	12,024	10,794	104,434
Number of questionnaires returned completed											
For hire .....	93	16	169	154	2,341	4,326	431	509	1,516	1,146	10,701
Private:											
Intercity .....	690	202	961	752	2,367	4,848	352	689	816	1,085	12,762
Urban .....	646	87	588	481	3,550	5,653	1,067	741	913	1,889	15,615
Farm .....	34	140	131	125	445	1,064	352	839	964	307	4,401
Totals .....	1,463	445	1,849	1,512	8,703	15,891	2,202	2,778	4,209	4,427	43,479
Number of sampled trucks reported not in use during survey week											
For hire .....	83	15	157	86	746	2,124	140	201	1,356	496	5,404
Private:											
Intercity .....	605	276	767	597	1,385	2,932	114	614	588	653	8,731
Urban .....	567	112	439	369	2,055	3,534	842	605	761	1,485	10,779
Farm .....	28	174	87	146	325	668	656	1,525	1,243	302	5,156
Totals .....	1,283	577	1,450	1,198	4,511	9,258	1,754	2,945	3,948	3,146	30,070
Number of questionnaires not returned or returned incomplete or unusable											
For hire .....	76	20	110	111	1,163	2,261	207	282	1,836	556	6,622
Private:											
Intercity .....	571	395	709	656	1,646	2,754	111	515	380	917	8,654
Urban .....	557	168	455	439	2,674	3,381	865	511	770	1,470	11,290
Farm .....	30	267	100	195	447	697	389	1,035	681	278	4,319
Totals .....	1,234	850	1,374	1,401	5,930	9,093	1,572	2,343	3,867	3,221	30,885

## Appendix III

## Commodity Classification

Live animals Cattle Live animals, n.e.s. <sup>1</sup>	Crude materials, inedible — Concluded Sand and gravel Stone, crude Crude non-metallic minerals, except coal and petroleum, n.e.s. Crude materials, inedible, n.e.s.
Food, feed, beverages and tobacco Meat and meat preparations Dairy produce, eggs and honey Cereals unmilled (including grain) Grain, flour, meal and cereal preparations, n.e.s. Fruits and fruit preparations Vegetables and vegetable preparations Fodder and feed, except unmilled cereals Non-alcoholic beverages Ale, beer, stout and porter Tobacco Food, feed, beverages and tobacco, n.e.s.	Fabricated materials, inedible Sawmill products Wood fabricated materials, n.e.s. Paper and paperboard Oils, fats, waxes, extracts and derivatives, animal and vegetable Inorganic and organic chemicals Chemical products Gasoline Fuel oil Petroleum and coal products, n.e.s. Iron and steel alloys and metal fabricated basic products Cement and concrete basic products Non-metallic mineral basic products, n.e.s. Fabricated materials, inedible, n.e.s.
Crude materials, inedible Logs, round and roughly squared Round timber Pulpwood Fuelwood, n.e.s. Crude wood materials, n.e.s. Ores, concentrates and precipitates Coal Coal, crude petroleum and related crude products, n.e.s.	End products, inedible Machinery Passenger automobiles and chassis Motor vehicle engines, accessories, parts and assemblies End products, inedible, n.e.s.  General freight

<sup>1</sup> n.e.s. - not elsewhere specified.



**Appendix IV**  
**Description of Vehicle Classifications, 1961**

The following summary shows how the existing licensing systems in each province were used to group vehicles into the four functional truck classes. Where no separate licence categories existed, vehicles were classified according to the type of operation as indicated below:

**For hire trucks**

Atlantic provinces:  
No separate licence—

Newfoundland—trucking operations for which revenue was received.

Nova Scotia and Prince Edward Island—trucks operated for compensation on intercity routes and/or in urban areas.

New Brunswick—trucks owned by companies or individuals licensed by the Motor Carrier Board.

Quebec:  
"L" licensed vehicles—operated for compensation in intercity or urban service.

Ontario:  
Public Commercial Vehicles (P.C.V.)—operated for compensation outside urban areas (rural and intercity routes).

Manitoba:  
Public Service Vehicles (P.S.V.)—operated for compensation beyond 15 miles radius of place of registration.

Saskatchewan:  
"A" and "E" licensed vehicles—operated for compensation in transporting general merchandise over a route or by charter or for specified commodities provincially.

Alberta:  
"E" and "P.S.V." licensed vehicles—operated for compensation in transporting general merchandise or specified commodities on intercity routes.

British Columbia:  
"E", "G", "H" and "J" carrier licensed vehicles—operated for compensation in intercity service or in urban areas.

**Private intercity trucks**

Atlantic provinces:  
No separate licence—trucks operated on intercity routes.

Quebec:  
No separate licence—trucks with "F" licences operated outside urban areas.

Ontario:  
No separate licence—private non-farm trucks operated outside urban areas.

Manitoba:  
"C.T." licensed vehicles—private non-farm trucks which may operate beyond 15 miles radius of place of registration.

Saskatchewan:  
No separate licence—trucks with "C" or "D" licences operated outside urban areas.

**Private intercity trucks—Concluded**

Alberta:  
"CV" licensed vehicles and that portion of "X" vehicles operated beyond 5 miles radius of place of registration.

British Columbia:  
No separate licence—private non-farm trucks operated beyond urban areas.

**Private urban trucks**

Atlantic provinces:  
No separate licence—trucks operated in urban areas.

Quebec:  
No separate licence—trucks with "F" licences operated in urban areas.

Ontario:  
No separate licence—trucks operated only in urban areas.

Manitoba:  
"T" and "DC" licensed vehicles—trucks operated within 15 miles radius of the place of registration.

Saskatchewan:  
No separate licence—trucks with "C" or "D" licences operated within urban areas.

Alberta:  
"C" licensed vehicles and that portion of "X" licences operated within 5 miles radius of place of registration.

British Columbia:  
No separate licence—trucks which do not have a carrier licence and are operated within urban areas.

**Farm trucks**

Atlantic provinces:  
Trucks owned and operated by a farmer including those with special farm licence in Nova Scotia and New Brunswick.

Quebec:  
"N" licensed vehicles—owned and operated by a farmer.

Ontario:  
No separate licence—trucks owned and operated by a farmer.

Manitoba:  
"FT" licensed vehicles—trucks owned and operated by a farmer.

Saskatchewan:  
"F" licensed vehicles—trucks owned and operated by a farmer.

Alberta:  
"F" licensed vehicles—trucks owned and operated by a farmer.

British Columbia:  
Trucks owned and operated by a farmer including those with special farm licence.

## Appendix V

## TRUCK TRAFFIC QUESTIONNAIRE

DOMINION BUREAU OF STATISTICS, OTTAWA

## Transportation Section

To be completed by all vehicle operators regardless of the purpose for which vehicle is used - and to be returned at end of Survey Week.

Please answer those sections which apply to your operations for ONE WEEK ONLY.

Serial No.

Licence No.

begin  
SUNDAY  
morning

end  
SATURDAY  
midnight

## I. GENERAL QUESTIONS TO BE ANSWERED BY EVERYONE

1. Is this vehicle used mainly (check ☐ one):

- ☐ (a) as a common carrier } for revenue earning purposes?  
☐ (b) as a contract carrier }  
☐ (c) to carry or distribute own or company goods in urban areas (within 5 miles of city or town limits)?  
☐ (d) to carry or distribute own or company goods over highways or rural roads?  
☐ (e) by a farmer to carry goods to and from the farm?  
☐ (f) for personal transportation (with no load)?

2. If you have checked ☐ either 1 (c) or 1 (d) above, please indicate below the industry or activity with which this vehicle is usually associated:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> 1 Forestry      | <input type="checkbox"/> 5 Construction               | <input type="checkbox"/> 9 Services (such as laundries, radio & T.V. repair, plumbing, etc.) |
| <input type="checkbox"/> 2 Fishing       | <input type="checkbox"/> 6 Utilities or communication |  |
| <input type="checkbox"/> 3 Mining        | <input type="checkbox"/> 7 Wholesale trade            | <input type="checkbox"/> 10 Other  |
| <input type="checkbox"/> 4 Manufacturing | <input type="checkbox"/> 8 Retail trade               | Please state _____   |

3. Is this vehicle licensed in more than one province? ☐ 1 Yes ☐ 2 No

4. If yes, which provinces?
- |   |   |  |
|---|---|--|
| <input type="checkbox"/> 1 Newfoundland         | <input type="checkbox"/> 5 Quebec       | <input type="checkbox"/> 9 Alberta           |
| <input type="checkbox"/> 2 Prince Edward Island | <input type="checkbox"/> 6 Ontario      | <input type="checkbox"/> 10 British Columbia |
| <input type="checkbox"/> 3 Nova Scotia          | <input type="checkbox"/> 7 Manitoba     | <input type="checkbox"/> 11 Yukon            |
| <input type="checkbox"/> 4 New Brunswick        | <input type="checkbox"/> 8 Saskatchewan | <input type="checkbox"/> 12 N.W.T.           |

5. Is this vehicle licensed in the United States? ☐ 1 Yes ☐ 2 No

6. Model (check ☐ one)

- |  |  |                                      |   |  |
|--|--|--------------------------------------|---|--|
| <input type="checkbox"/> 1 Pickup                        | <input type="checkbox"/> 5 Station wagon | <input type="checkbox"/> 9 Van       | <input type="checkbox"/> 13 Dump            | <input type="checkbox"/> 17 Flatdeck     |
| <input type="checkbox"/> 2 Express                       | <input type="checkbox"/> 6 Jeep          | <input type="checkbox"/> 10 Platform | <input type="checkbox"/> 14 Tank            | <input type="checkbox"/> 18 Lowbed       |
| <input type="checkbox"/> 3 Panel                         | <input type="checkbox"/> 7 Utility       | <input type="checkbox"/> 11 Stake    | <input type="checkbox"/> 15 Box             | <input type="checkbox"/> 19 Auto carrier |
| <input type="checkbox"/> 4 Sedan delivery                | <input type="checkbox"/> 8 Metro         | <input type="checkbox"/> 12 Mixer    | <input type="checkbox"/> 16 Pole or logging | <input type="checkbox"/> 20 Bulk carrier |
| <input type="checkbox"/> 21 Mechanically refrigerated    |  |                                      |   |  |
| <input type="checkbox"/> 22 Other, please describe _____ |  |                                      |   |  |

7. Is this a tractor-trailer combination? ☐ 1 Yes ☐ 2 No

8. Number of axles on truck or tractor-trailer combination (check ☐ one):

- ☐ 2    ☐ 3    ☐ 4    ☐ 5    ☐ 6 and over

9. What is the maximum gross weight\* of the truck or tractor-trailer combination?

\_\_\_\_\_ pounds  
 (\*Sum of weight of vehicle empty plus weight of maximum load allowed)

10. If this vehicle was not operated during the Survey Week, please state reason:

\_\_\_\_\_

11. Gallons of fuel used during Survey Week:

- ☐ 1 Gasoline .....
- ☐ 2 Diesel .....
- ☐ 3 Other .....

gallons	
Imperial	U.S.

miles

12. Total miles travelled during Survey Week .....

(Speedometer reading at end of week minus speedometer reading at beginning of week. If speedometer is not working, please estimate total mileage for the seven day period.)

**II. URBAN OPERATIONS**

- are those within a town, city or metropolitan area and a five mile limit thereof. (Exclude the urban portion of intercity trips which should be reported in Section III)

1. If this vehicle was used predominantly in an urban area

during the Survey Week, please state the name of the city or town. ....

2. Total miles travelled in Urban Areas during Survey Week: .....

3. How many of the miles reported in 2 above were travelled with a load? .....

pounds

4. Average load carried per trip by this vehicle during the Survey Week in Urban Areas .....

5. Total weight of goods loaded in urban areas during Survey Week:

Sunday ..... pounds

Wednesday ..... pounds

Monday ..... "

Thursday ..... "

Tuesday ..... "

Friday ..... "

Saturday ..... pounds

pounds

Total .....

6. What kinds of goods did you carry? .....

7. If this vehicle is a for-hire (common or contract) carrier, what revenue was received for urban services performed during the Survey Week? ..... \$ .....

**III. HIGHWAY (INTERCITY AND RURAL) OPERATIONS**

i.e., operations beyond a five mile limit of a town, city or metropolitan area on public roads and away from private or farm property. Include urban portion of intercity or rural trips. Rural operations refer to traffic performed on public roads by farmers to and from farm property. If the exact weights are not known, please estimate. Report all trips including those without load.

INFORMATION REQUIRED	INTERCITY EXAMPLES		RURAL EXAMPLES		ONE-WAY TRIP NO. 1
	One-Way Trip	One-Way Trip	One-Way Trip	One-Way Trip	
1. Point of departure	Toronto	Montreal	Own Farm	St. Catharines	
2. Final destination	Montreal	Toronto	St. Catharines	Own Farm	
3. One-way mileage	350	350	23	23	
4. Via which highways? (List numbers of the highways you used)	2; 401	2; 401	8	8	
5. Weight of load on vehicle at point of departure. (pounds)	18,000	empty	1,000	500	
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)	19,500	empty	1,000	500	
7. Weight of load on vehicle on arrival at final destination. (pounds)	21,000	empty	1,000	500	
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.	furniture, electrical fixtures	nil	head lettuce	farm supplies	
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?	4,500	nil	nil	nil	
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.	48,000	48,000	Not applicable	Not applicable	
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.	\$160.00	nil	Not applicable	Not applicable	
12. Day of week	Mon.	Tues.	Mon.	Mon.	



## HIGHWAY (INTERCITY AND RURAL OPERATIONS)

INFORMATION REQUIRED	ONE-WAY TRIP NO. 2	ONE-WAY TRIP NO. 3	ONE-WAY TRIP NO. 4	ONE-WAY TRIP NO. 5
1. Point of departure				
2. Final destination				
3. One-way mileage				
4. Via which highways? (List numbers of the highways you used.)				
5. Weight of load on vehicle at point of departure. (pounds)				
6. Weight of load on vehicle at point half-way between departure and destination. (pounds)				
7. Weight of load on vehicle on arrival at final destination. (pounds)				
8. What kinds of goods were carried? List main types giving usual trade descriptions. Please list as many kinds as you can.				
9. How many pounds of goods (if any) were loaded at all intermediate points excluding point of departure?				
10. If this vehicle is a tractor, please enter the maximum gross vehicle weight of the tractor and trailer combined.				
11. If this vehicle is a for-hire or contract carrier, please estimate gross trip revenue.				
12. Day of week				

Remarks: Please make any comments which you think will help us to understand your report.

## INSTRUCTIONS - PLEASE READ CAREFULLY

## Identification of Vehicle

Information contained in the large rectangle on the front page identifies the particular vehicle selected for this survey by gross vehicle weight, tare weight, make, year, and licence number, etc. **N.B. Please do not substitute any other vehicle for the one indicated.**

## Method of Selection

Vehicles are chosen at random from provincial motor vehicle registration records without regard to owner, date of registration, age or make of vehicle.

## Tractors

If the vehicle is a tractor, then the information requested will apply to the tractor-trailer combination.

If any assistance in completing this questionnaire is required, please write or phone the Transportation Section, Dominion Bureau of Statistics, Ottawa (phone nos. 9-27054 or 9-24275) or contract one of the Regional Offices listed below.

City	Address	Phone No.
St. John's, Nfld.	Sir Humphrey Gilbert Bldg. (P.O. Box 5785)	3145
Halifax, N.S.	105 Hollis St., (P.O. Box 244)	3-7387
Montreal, P.Q.	Room 830, 1165 Bleury St.	UN 6-8008
Toronto, Ont.	36 Adelaide St. E.	EM 2-6211 (Local 2434)
Winnipeg, Man.	269 Main St., Federal Bldg.	WH 3-4528
Edmonton, Alta.	533 Federal Public Bldg., 107th St.	GA 4-0251 (Local 259)
Vancouver, B.C.	Room 404, 326 Howe St.	MU 1-5288

## Units of Measure

Goods carried may be reported in gallons, cubic yards, tons, etc., if impossible to estimate in pounds. If other than pounds, please indicate the unit used.

## If Vehicle did not Operate

If this truck or tractor did not operate at all during the survey week or was not used off private property such as farm, quarry, lumber camp or industrial yard, please complete questions 1 to 10 and return.

## If Vehicle Sold

If truck or tractor was sold or is no longer in your possession, or if for any reason you cannot complete the questionnaire, please indicate the reason under "remarks" above and return the questionnaire in the envelope provided.

To the best of my knowledge, the information provided in this questionnaire is complete and correct.

Signed by \_\_\_\_\_

Official Title \_\_\_\_\_

Name of Firm or Company \_\_\_\_\_

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