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MOTOR TRANSPORT TRAFFIC STATISTICS
PROVINCE OF MANITOBA
1957

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PROVINCE OF MANITOBA
JANUARY 1 - DECEMBER 31, 1957

CHART - 1
TRUCK REGISTRATIONS BY TYPE OF OPERATION

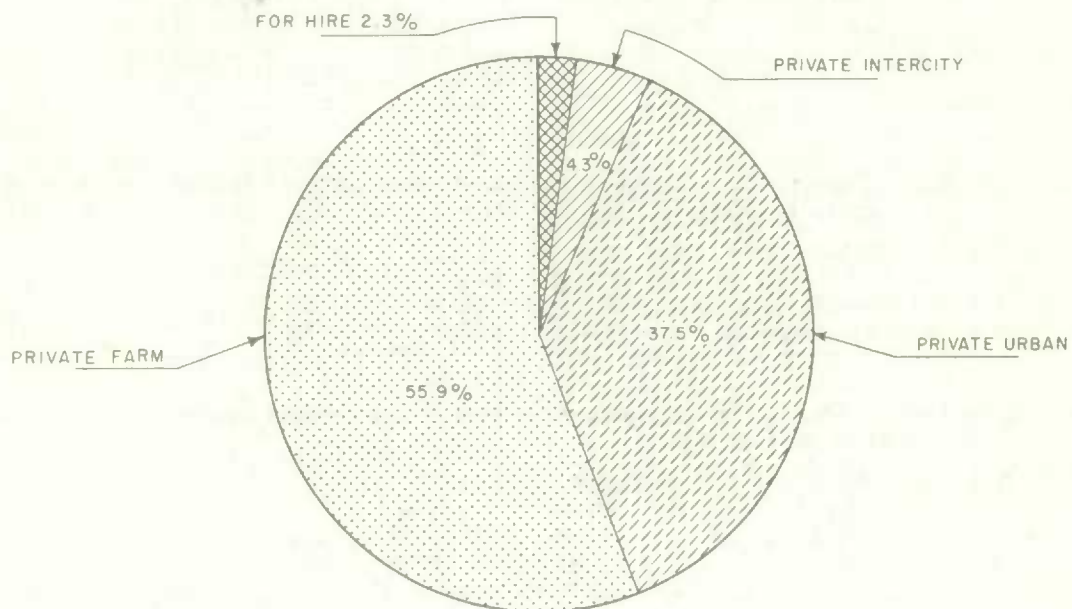
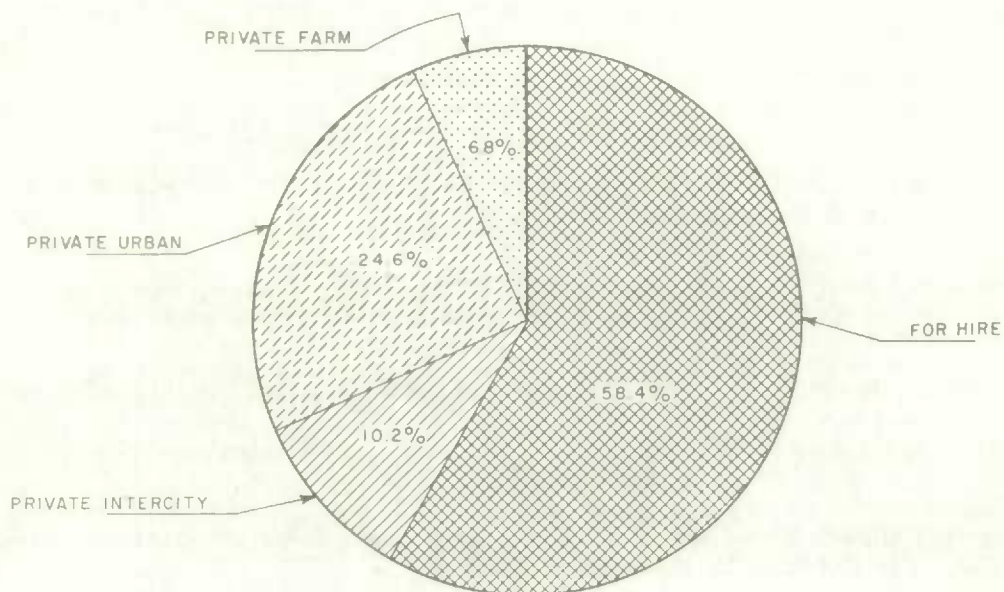


CHART - 2
NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

Methods Followed in Survey

A sample of approximately 15 per cent of trucks and 38 per cent of intercity buses registered in Manitoba was selected for this annual survey. To allow for seasonal variations in motor transport traffic and to ensure that the sample vehicles represented current registrations in force, the survey was conducted in four quarterly segments with approximately one-fourth of total truck and bus registrations sampled each quarter. Vehicles selected were coded so that a particular vehicle would not be chosen more than once during each licence year. Each quarterly segment of the survey ran for a seven day period, Sunday through Saturday.

All trucks and buses registered in the province are represented with the following exceptions: (a) those not engaged in transportation services; (b) buses utilized for scheduled urban transit or school service; and, (c) 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 were stratified by function or type of operation and by gross vehicle weight groups. The four functional categories used were: for-hire, private intercity, private urban and private farm. For-hire trucks are those operated for compensation or gain anywhere in the province 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 which are operated predominantly within urban or metropolitan areas; and private farm

trucks are those operated by farmers primarily to transport farm produce and supplies.

In Manitoba, trucks operated on a highway for compensation are classed as Public Service Vehicles and are issued with a "PSV" licence plate. Vehicles owned and operated on intercity routes by business, industry and individuals to transport their own raw materials, finished goods and merchandise are classed as commercial trucks and issued with a "CT" licence. Those operated in or within fifteen miles of any city, town or village in which the owner has his place of business are issued with a "T" licence. Trucks owned and operated by farmers are issued with an "FT" licence. These licence classifications correspond to the four functional categories as follows:

For-hire — "PSV" licences

Private — intercity — "CT" licences

— urban — "T" licences

— farm — "FT" licences

It is known that some "T" licensed trucks are operated for compensation but these vehicles have not been included in the for-hire category. The number of such vehicles was not known and a reliable estimate could not be made on the basis of replies to the survey questionnaire. As a result, the data shown throughout the report as "For-hire" is understated and that for "Private urban" is overstated by the extent of the operations of urban for-hire vehicles classified as "Private urban".

Expansion of Survey Results

The distribution of sample vehicles by gross vehicle weight groups and by function was used to provide population estimates as at the time of the sample selection. The sample results were then expanded to represent the operations of all trucks and intercity buses registered in the province during the three month period 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 surveys were added together to obtain provincial estimates for the twelve month period. Yearly operating averages such as average yearly mileage were calculated from the average number of vehicles registered during the twelve month period. All other operating ratios were obtained from the twelve month aggregates.

Response to Survey

During the year survey questionnaires were sent to the owners or operators of 8,458 motor vehicles. Of this number 3,209 were returned completed and 2,849 vehicles were reported not used

during the survey week. In addition, 1,731 questionnaires were returned with insufficient information and were therefore unusable. Non response to the survey totalled 669 or 7.9 per cent.

REVIEW OF SURVEY RESULTS

Excluding vehicles that do not perform transportation services, the average number of trucks registered in Manitoba during the year was 55,119. Of these 1,258 or 2.3 per cent were for-hire carriers; 2,395 or 4.3 per cent were private intercity vehicles; 20,676 or 37.5 per cent were private trucks operating predominantly within urban areas; and 30,790 or 55.9 per cent were private farm trucks.

In the tables presented, blanks appear in a number of places where no vehicles for these particular weight classifications were chosen in any of the quarterly sample selections. It does not necessarily follow that there are no vehicles in the province belonging to these weight classifications.

Section 1: Traffic Inside and Outside the Province

Section 1 contains estimates of total traffic performed by all Manitoba registered trucks both inside and outside the province.

For-hire vehicles accounted for 58.4 per cent of the total net ton miles performed by Manitoba registered trucks although comprising only 2.3 per cent of the total truck population. This results primarily from the high average yearly mileage of for-hire trucks (37,700 miles as opposed to an average of 5,600 for all trucks) as well as the heavier average weight carried by for-hire vehicles (8.1 tons as compared with the average of 3.4 tons for all trucks). The heavier average loads carried by for-hire trucks is to be expected since, as revealed in the appendix, well over half of these vehicles have a gross vehicle weight of over 15 tons whereas less than one per cent of all other classes combined are in this upper weight group. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon ratio of 5.9 as compared with a ratio of 10.0 for all vehicles.

Although farm licensed vehicles in Manitoba comprise 56 per cent of the total trucking population, they perform about one-quarter of the total mileage travelled by all Manitoba registered trucks, with each truck averaging only 2,700 miles per year.

Section 2: Traffic Within the Province

This section presents estimates of traffic performed by Manitoba registered trucks entirely inside the province excluding the "outside the province" portion of interprovincial and international traffic as well as a small amount of traffic performed entirely outside the province. A comparison of Section I with Section II indicates that only 7.5 per cent of the total mileage travelled by Manitoba registered private intercity trucks was outside provincial boundaries. On the other hand, for-hire vehicles accumulated almost one-half of their total mileage and 61.2 per cent of the total net ton miles outside the province.

Section 3: Intraprovincial Traffic

This section includes estimates of for-hire and private intercity operations originating and terminating entirely inside the boundaries of Manitoba.

Analysing the distribution of total net ton miles by commodity, it is apparent that manufacturers (37.8 per cent) were the largest single commodity group to be transported by for-hire vehicles. General freight (30.5 per cent) and animals and animal products (24.0 per cent), however, accounted for significant portions of the total for-hire traffic. Because of the small average distance per ton for mine products (mostly gravel and sand), this commodity group formed only 4.1 per cent of total net ton miles although it accounted for 20.5 per cent of the total weight of goods carried. Private intercity trucks were primarily engaged in transporting manufactures.

Section 4: Interprovincial and International Traffic

Statistics of traffic performed by for-hire and private intercity trucks between Manitoba and other provinces and the United States are included in this section. On the present basis of sampling motor transport traffic, comparatively few Manitoba registered trucks engaging in interprovincial and international traffic are included in these surveys and as a result reliable estimates of such traffic have not been obtained. Hence the data in this section of the report should be used with considerable caution.

These estimates indicate with some reasonableness, however, that nearly half of the total weight of goods carried in interprovincial and international traffic by Manitoba registered trucks either originated or were destined for the province of Ontario while about two-fifths of the total tonnage was transported in traffic between Saskatchewan and Manitoba. It also may be noted that about two-thirds of the total net ton miles accumulated and one-half of total revenue earned by for-hire trucks was in interprovincial and international traffic.

Sections 5 and 6: Intercity Bus Traffic

Section 5 presents statistics on intercity bus traffic both inside and outside the province while Section 6 covers traffic within the province only. In comparing these two sections it is evident that a considerable portion of Manitoba registered bus operations was conducted outside the boundaries of the province; for example, while Manitoba buses accumulated a total of 217,753,000 passenger miles, only 84,110,000 or about two-fifths, can be accounted for within provincial boundaries. Similarly, although total revenue equalled 4,928,000 dollars, three-fifths, or 3,093,000 dollars, were earned while the buses were travelling outside provincial boundaries. This anomaly occurs through the inclusion in the sample of a large percentage of buses which are licensed in other provinces as well as Manitoba. Hence although registered in Manitoba, a number of buses did operate entirely outside the province during the survey weeks.

**SECTION I. TRAFFIC PERFORMED BY MANITOBA REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	47,287	35,187	139,276	84,392	306,142
Average yearly mileage per truck		37,700	14,700	6,700	2,700	5,600
Average distance each ton was carried		177.7	38.1	9.9	13.0	27.7
Percentage of total mileage travelled empty		21.9	38.8	53.2	67.4	50.6
Fuel:						
Total gallons of gasoline consumed	'000	7,036	3,688	12,659	6,595	29,978
Miles per gallon of gasoline		5.9	9.4	11.0	12.8	10.0
Total gallons of diesel oil consumed	'000	829	56	—	—	885
Miles per gallon of diesel oil		6.6	6.4	—	—	6.6
Total gallons of other fuel consumed	'000	—	29	—	—	29
Miles per gallon of other fuel		—	5.5	—	—	5.5
Weight of goods carried:						
Total tons of goods carried	'000	1,694	1,380	12,853	2,703	18,630
Average weight carried ¹	ton	8.1	2.4	1.9	1.3	3.4
Net ton miles:						
Total net ton miles performed	'000	300,866	52,550	126,741	35,240	515,397
Average net ton miles per truck		239,200	21,900	6,100	1,100	9,400
Capacity ton miles:						
Total capacity ton miles ²	'000	578,349	157,424	375,733	154,982	1,266,488
Average capacity ton miles per truck		459,700	65,700	18,200	5,000	23,000
Percentage of capacity utilized		52.0	33.4	33.7	22.7	40.7
Gross ton miles:						
Total gross ton miles ³	'000	641,779	175,696	494,184	227,516	1,539,175
Average gross ton miles per truck		510,200	73,400	23,900	7,400	27,900
Revenue:						
Total revenue	\$'000	19,997	—	—	—	—
Revenue per ton mile	¢	6.6	—	—	—	—
Revenue per mile (total mileage travelled)	¢	42.3	—	—	—	—
Average revenue per truck	\$	15,900	—	—	—	—

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:							
Total mileage travelled	'000	44,157	146,585	19,600	32,849	17,486	306,142
Average yearly mileage per truck		5,700	4,400	3,300	6,200	12,000	5,600
Average distance each ton was carried		15.5	13.7	10.7	15.0	10.4	27.7
Percentage of total mileage travelled empty		66.4	59.8	37.4	38.9	38.6	50.6
Fuel:							
Total gallons of gasoline consumed	'000	2,961	10,952	2,034	4,027	2,490	29,978
Miles per gallon of gasoline		14.9	13.4	9.6	8.2	7.0	10.0
Total gallons of diesel oil consumed	'000	—	—	—	—	—	885
Miles per gallon of diesel oil		—	—	—	—	—	6.6
Total gallons of other fuel consumed	'000	—	—	—	—	29	29
Miles per gallon of other fuel		—	—	—	—	5.5	5.5
Weight of goods carried:							
Total tons of goods carried	'000	233	2,639	2,281	4,915	4,960	18,630
Average weight carried ¹	ton	0.2	0.6	2.0	3.7	4.8	3.4
Net ton miles:							
Total net ton miles performed	'000	3,602	36,072	24,451	73,493	51,622	515,397
Average net ton miles per truck		500	1,100	4,100	13,900	35,500	9,400
Capacity ton miles:							
Total capacity ton miles ²	'000	33,734	198,893	76,026	181,344	126,587	1,266,488
Average capacity ton miles per truck		4,300	6,000	12,700	34,300	86,900	23,000
Percentage of capacity utilized		10.7	18.1	32.2	40.5	40.8	40.7
Gross ton miles:							
Total gross ton miles ³	'000	71,643	342,961	98,358	203,925	131,626	1,539,175
Average gross ton miles per truck		9,200	10,300	16,400	38,600	90,400	27,900

TABLE 3. For Hire Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	1,006	933	4,452	5,229	35,667	47,287
Average yearly mileage per truck	—	8,900	14,400	24,100	29,400	49,700	37,700
Average distance each ton was carried	—	38.5	39.3	67.8	43.3	250.3	177.7
Percentage of total mileage travelled empty	—	28.0	17.2	25.5	28.8	20.3	21.9
Fuel:							
Total gallons of gasoline consumed	'000	91	97	550	715	5,583	7,036
Miles per gallon of gasoline	—	11.0	9.6	8.1	7.3	5.4	5.9
Total gallons of diesel oil consumed	'000	—	—	—	—	829	829
Miles per gallon of diesel oil	—	—	—	—	—	6.6	6.6
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	25	42	176	371	1,080	1,694
Average weight carried ¹	ton	1.3	2.1	3.6	4.3	9.5	8.1
Net ton miles:							
Total net ton miles performed	'000	964	1,633	11,903	16,086	270,280	300,866
Average net ton miles per truck	—	8,500	25,100	64,300	90,400	377,000	239,200
Capacity ton miles:							
Total capacity ton miles ¹	'000	1,686	3,854	23,258	37,360	512,191	578,349
Average capacity ton miles per truck	—	14,900	59,300	125,700	209,900	714,400	459,700
Percentage of capacity utilized	—	57.2	42.4	51.2	43.1	52.8	52.0
Gross ton miles:							
Total gross ton miles ¹	'000	3,453	4,908	29,631	39,839	563,948	641,779
Average gross ton miles per truck	—	30,600	75,500	160,200	223,800	786,500	510,200
Revenue:							
Total revenue	\$'000	168	238	1,444	1,544	16,603	19,997
Revenue per ton mile	¢	17.5	14.6	12.1	9.6	6.1	6.6
Revenue per mile (total mileage travelled)	¢	16.7	25.5	32.4	29.5	46.6	42.8
Average revenue per truck	\$	1,500	3,700	7,800	8,700	23,200	15,900

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	19,763	2,829	3,892	3,538	5,165	35,187
Average yearly mileage per truck	—	12,900	13,500	14,700	15,500	31,900	14,700
Average distance each ton was carried	—	38.7	46.0	20.6	34.0	50.4	38.1
Percentage of total mileage travelled empty	—	43.0	43.0	25.2	33.1	34.2	38.8
Fuel:							
Total gallons of gasoline consumed	'000	1,558	278	489	496	867	3,688
Miles per gallon of gasoline	—	12.7	10.2	8.0	7.1	5.5	9.4
Total gallons of diesel oil consumed	'000	—	—	—	—	56	56
Miles per gallon of diesel oil	—	—	—	—	—	6.4	6.4
Total gallons of other fuel consumed	'000	—	—	—	29	—	29
Miles per gallon of other fuel	—	—	—	—	5.5	—	5.5
Weight of goods carried:							
Total tons of goods carried	'000	134	79	382	227	558	1,380
Average weight carried ¹	ton	0.5	2.3	2.7	3.3	8.3	2.4
Net ton miles:							
Total net ton miles performed	'000	5,189	3,652	7,847	7,720	28,142	52,550
Average net ton miles per truck	—	3,400	17,400	29,600	33,900	173,700	21,900
Capacity ton miles:							
Total capacity ton miles ²	'000	26,920	11,280	20,471	24,573	74,180	157,424
Average capacity ton miles per truck	—	17,600	53,700	77,200	107,800	457,900	65,700
Percentage of capacity utilized	—	19.3	32.4	38.3	31.4	37.9	33.4
Gross ton miles:							
Total gross ton miles ¹	'000	47,938	13,279	23,834	23,812	66,833	175,696
Average gross ton miles per truck	—	31,300	63,200	89,900	104,400	412,600	73,400

See footnotes page 11.

**SECTION II. TRAFFIC PERFORMED BY MANITOBA REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	24,402	32,558	139,276	84,392	280,628
Average yearly mileage per truck		19,400	13,600	6,700	2,700	5,100
Average distance each ton was carried		71.2	30.8	9.9	13.0	17.3
Percentage of total mileage travelled empty		24.2	38.9	53.2	67.4	53.3
Fuel:						
Total gallons of gasoline consumed	'000	3,727	3,386	12,659	6,595	26,367
Miles per gallon of gasoline		6.3	9.5	11.0	12.8	10.6
Total gallons of diesel oil consumed	'000	118	27	—	—	145
Miles per gallon of diesel oil		6.5	7.0	—	—	6.6
Total gallons of other fuel consumed	'000	—	29	—	—	29
Miles per gallon of other fuel		—	5.5	—	—	5.5
Weight of goods carried:						
Total tons of goods carried	'000	1,640	1,331	12,853	2,703	18,527
Average weight carried ¹	ton	6.3	2.1	1.9	1.3	2.4
Net ton miles:						
Total net ton miles performed	'000	116,751	40,940	126,741	35,240	319,672
Average net ton miles per truck		92,800	17,100	6,100	1,100	5,800
Capacity ton miles:						
Total capacity ton miles ²	'000	261,904	133,595	375,733	154,982	926,214
Average capacity ton miles per truck		208,200	55,800	18,200	5,000	16,800
Percentage of capacity utilized		44.6	30.6	33.7	22.7	34.5
Gross ton miles:						
Total gross ton miles ³	'000	268,405	150,462	494,184	227,516	1,140,567
Average gross ton miles per truck		213,400	62,800	23,900	7,400	20,700
Revenue:						
Total revenue	\$'000	9,609	—	—	—	—
Revenue per ton mile	¢	8.2	—	—	—	—
Revenue per mile (total mileage travelled)	¢	39.4	—	—	—	—
Average revenue per truck	\$	7,600	—	—	—	—

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:							
Total mileage travelled	'000	44,157	145,991	19,208	32,639	16,998	280,628
Average yearly mileage per truck		5,700	4,400	3,200	6,200	11,700	5,100
Average distance each ton was carried		15.5	13.7	10.6	14.5	10.2	17.3
Percentage of total mileage travelled empty		66.4	59.8	37.0	38.9	38.8	53.3
Fuel:							
Total gallons of gasoline consumed	'000	2,961	10,910	1,999	4,004	2,420	26,367
Miles per gallon of gasoline		14.9	13.4	9.6	8.2	7.0	10.6
Total gallons of diesel oil consumed	'000	—	—	—	—	—	145
Miles per gallon of diesel oil		—	—	—	—	—	6.6
Total gallons of other fuel consumed	'000	—	—	—	—	29	29
Miles per gallon of other fuel		—	—	—	—	5.5	5.5
Weight of goods carried:							
Total tons of goods carried	'000	233	2,639	2,279	4,915	4,927	18,527
Average weight carried ¹	ton	0.2	0.6	2.0	3.6	4.8	2.4
Net ton miles:							
Total net ton miles performed	'000	3,602	36,053	24,265	71,412	50,037	319,672
Average net ton miles per truck		500	1,100	4,000	13,500	34,400	5,800
Capacity ton miles:							
Total capacity ton miles ²	'000	33,734	198,240	74,379	180,139	122,963	926,214
Average capacity ton miles per truck		4,300	5,900	12,400	34,100	84,500	16,800
Percentage of capacity utilized		10.7	18.2	32.6	39.6	40.7	34.5
Gross ton miles:							
Total gross ton miles ³	'000	71,643	341,814	96,791	200,945	127,701	1,140,567
Average gross ton miles per truck		9,200	10,200	16,100	38,000	87,700	20,700

See footnotes page 11.

TABLE 3. For Hire Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	—	1,006	933	4,242	5,168	13,053
Average yearly mileage per truck	—	—	8,900	14,400	22,900	29,000	19,400
Average distance each ton was carried	—	—	38.5	39.3	55.9	42.8	86.2
Percentage of total mileage travelled empty	—	—	28.0	17.2	24.3	28.9	22.5
Fuel:							
Total gallons of gasoline consumed	'000	—	91	97	527	705	2,307
Miles per gallon of gasoline	—	—	11.0	9.6	8.1	7.3	5.3
Total gallons of diesel oil consumed	'000	—	—	—	—	—	118
Miles per gallon of diesel oil	—	—	—	—	—	—	6.5
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	—	25	42	176	371	1,026
Average weight carried ¹	ton	—	1.3	2.1	3.1	4.3	8.7
Net ton miles:							
Total net ton miles performed	'000	—	964	1,633	9,822	15,917	88,415
Average net ton miles per truck	—	—	8,500	25,100	53,100	89,400	123,300
Capacity ton miles:							
Total capacity ton miles ²	'000	—	1,686	3,854	22,053	36,938	197,373
Average capacity ton miles per truck	—	—	14,900	59,300	119,200	207,500	275,300
Percentage of capacity utilized	—	—	57.2	42.4	44.5	43.0	44.8
Gross ton miles:							
Total gross ton miles ³	'000	—	3,453	4,908	26,651	39,325	194,068
Average gross ton miles per truck	—	—	30,600	75,500	144,100	220,900	270,700
Revenue:							
Total revenue	\$'000	—	168	238	1,372	1,532	6,299
Revenue per ton mile	¢	—	17.5	14.6	14.0	9.6	7.1
Revenue per mile (total mileage travelled)	¢	—	16.7	25.5	32.4	29.6	48.3
Average revenue per truck	\$	—	1,500	3,700	7,400	8,600	8,800

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	—	19,169	2,437	3,892	3,111	3,949
Average yearly mileage per truck	—	—	12,500	11,600	14,700	13,600	24,400
Average distance each ton was carried	—	—	38.6	44.8	20.6	32.5	33.4
Percentage of total mileage travelled empty	—	—	42.5	41.1	25.2	33.2	38.2
Fuel:							
Total gallons of gasoline consumed	'000	—	1,516	243	489	436	702
Miles per gallon of gasoline	—	—	12.6	10.0	8.0	6.8	5.3
Total gallons of diesel oil consumed	'000	—	—	—	—	—	27
Miles per gallon of diesel oil	—	—	—	—	—	—	7.0
Total gallons of other fuel consumed	'000	—	—	—	—	29	—
Miles per gallon of other fuel	—	—	—	—	5.5	—	5.5
Weight of goods carried:							
Total tons of goods carried	'000	—	134	77	382	194	544
Average weight carried ¹	ton	—	0.5	2.4	2.7	3.0	7.4
Net ton miles:							
Total net ton miles performed	'000	—	5,170	3,466	7,847	6,304	18,153
Average net ton miles per truck	—	—	3,400	16,500	29,600	27,600	112,100
Capacity ton miles:							
Total capacity ton miles ²	'000	—	26,267	9,633	20,471	21,371	55,853
Average capacity ton miles per truck	—	—	17,200	45,900	77,200	93,700	344,800
Percentage of capacity utilized	—	—	19.7	36.0	38.3	29.5	32.5
Gross ton miles:							
Total gross ton miles ³	'000	—	46,791	11,712	23,834	20,401	47,724
Average gross ton miles per truck	—	—	30,600	55,800	89,900	89,500	294,600

See footnotes page 11.

TABLE 5. Private Urban Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled '000	34,033	64,439	9,942	19,177	7,266	4,419	139,276
Average yearly mileage per truck	7,200	6,000	6,100	7,900	9,200	15,100	6,700
Average distance each ton was carried	18.7	13.7	7.8	11.5	5.9	14.0	9.9
Percentage of total mileage travelled empty	65.5	55.2	29.9	41.2	46.4	46.2	53.2
Fuel:							
Total gallons of gasoline consumed '000	2,248	4,852	1,083	2,374	1,074	1,028	12,659
Miles per gallon of gasoline	15.1	13.3	9.2	8.1	6.8	4.3	11.0
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	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried '000	136	1,239	1,622	3,789	4,189	1,878	12,853
Average weight carried ¹ ton	0.2	0.6	1.8	3.9	6.4	11.1	1.9
Net ton miles:							
Total net ton miles performed '000	2,540	16,993	12,633	43,484	24,736	26,355	126,741
Average net ton miles per truck	500	1,600	7,800	18,000	31,400	89,900	6,100
Capacity ton miles:							
Total capacity ton miles ² '000	25,506	87,997	39,016	107,411	55,058	60,745	375,733
Average capacity ton miles per truck	5,400	8,100	24,100	44,400	69,800	207,300	18,200
Percentage of capacity utilized	10.0	19.3	32.4	40.5	44.9	43.4	33.7
Gross ton miles:							
Total gross ton miles ³ '000	55,225	151,345	53,420	118,849	58,281	57,064	494,184
Average gross ton miles per truck	11,700	14,000	33,000	49,200	73,900	194,800	23,900

TABLE 6. Private Farm Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled '000	10,124	61,377	5,896	5,328	1,453	214	84,392
Average yearly mileage per truck	3,300	2,900	1,400	2,200	5,600	12,600	2,700
Average distance each ton was carried	10.9	10.4	12.1	18.1	17.8	16.0	13.0
Percentage of total mileage travelled empty	69.6	70.5	50.3	52.0	48.3	48.2	67.4
Fuel:							
Total gallons of gasoline consumed '000	713	4,451	576	914	205	36	6,595
Miles per gallon of gasoline	14.2	13.8	10.2	8.7	7.1	5.9	12.8
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	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried '000	97	1,241	538	568	173	86	2,703
Average weight carried ¹ ton	0.3	0.7	2.2	4.0	4.1	12.4	1.3
Net ton miles:							
Total net ton miles performed '000	1,062	12,926	6,533	10,259	3,080	1,380	35,240
Average net ton miles per truck	300	600	1,600	4,200	11,800	81,200	1,100
Capacity ton miles:							
Total capacity ton miles ² '000	8,228	82,290	21,876	30,204	9,596	2,788	154,982
Average capacity ton miles per truck	2,700	3,900	5,300	12,500	36,800	164,000	5,000
Percentage of capacity utilized	12.9	15.7	29.9	34.0	32.1	49.5	22.7
Gross ton miles:							
Total gross ton miles ³ '000	16,418	140,225	26,751	31,611	9,694	2,817	227,516
Average gross ton miles per truck	5,400	6,700	6,500	13,100	37,100	165,700	7,400

¹ Ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ 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.

TABLE 7. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Groups

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	¢
10,000 lbs. and under	25	725	964	1.3	38.6	168	17.4
10,001 - 20,000 lbs.	218	3,983	11,455	2.9	52.5	1,611	14.1
20,001 - 30,000 lbs.	371	3,676	15,917	4.3	42.9	1,531	9.6
30,001 - 50,000 lbs.	465	6,093	38,824	6.4	83.5	3,449	8.9
50,001 lbs. and over	561	4,029	49,591	12.3	88.4	2,850	5.7
Total	1,640	18,506	116,751	6.3	71.2	9,609	8.2
	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 lbs. and under	134	11,022	5,171	0.5	38.6		
10,001 - 20,000 lbs.	459	4,348	11,313	2.6	24.6		
20,001 - 30,000 lbs.	194	2,077	6,303	3.0	32.5		
30,001 - 50,000 lbs.	447	2,066	13,608	6.6	30.4		
50,001 lbs. and over	97	376	4,545	12.1	46.9		
Total	1,331	19,889	40,940	2.1	30.8		

SECTION III. INTRAPROVINCIAL TRAFFIC PERFORMED BY MANITOBA REGISTERED TRUCKS
JANUARY 1 - DECEMBER 31, 1957

TABLE 1. Selected Statistics by Gross Vehicle Weight Groups

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	¢
10,000 lbs. and under	15	573	608	1.1	40.5	126	20.7
10,001 - 20,000 lbs.	177	3,577	10,123	2.8	57.2	1,419	14.0
20,001 - 30,000 lbs.	349	3,376	14,819	4.4	42.5	1,428	9.6
30,001 - 50,000 lbs.	310	4,649	26,882	5.8	86.7	2,573	9.6
50,001 lbs. and over	311	1,578	21,138	13.4	68.0	1,425	6.7
Total	1,162	13,753	73,570	5.3	63.3	6,971	9.5
	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 lbs. and under	85	7,314	3,790	0.5	44.6		
10,001 - 20,000 lbs.	128	3,229	8,223	2.5	64.2		
20,001 - 30,000 lbs.	145	1,846	5,550	3.0	38.3		
30,001 - 50,000 lbs.	323	1,742	10,790	6.2	33.4		
50,001 lbs. and over	82	257	3,233	12.6	39.4		
Total	763	14,388	31,586	2.2	41.4		

TABLE 2. Selected Statistics by Commodity Groups

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	¢
Agricultural products	10	229	1,043	4.6	104.3	73	7.0
Animals and animal products	191	4,065	17,643	4.3	92.4	1,503	8.5
Mine products	238	272	3,033	11.2	12.7	142	4.7
Forest products	13	156	1,634	10.5	125.7	117	7.2
Manufactures and miscellaneous	457	3,939	27,773	7.1	60.8	2,783	10.0
N.O.S. general freight	253	5,092	22,444	4.4	88.7	2,353	10.5
Total	1,162	13,753	73,570	5.3	63.3	6,971	9.5
	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	44	683	3,171	4.6	72.1		
Animals and animal products	82	4,110	6,517	1.6	79.5		
Mine products	8	2	8	4.0	1.0		
Forest products	15	263	1,248	4.7	83.2		
Manufactures and miscellaneous	607	8,951	20,448	2.3	33.7		
N.O.S. general freight	7	379	194	0.5	27.7		
Total	763	14,388	31,586	2.2	41.4		

SECTION IV. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY MANITOBA REGISTERED TRUCKS
JANUARY 1 - DECEMBER 31, 1957

TABLE 1. Tons of Goods Carried

Origin or destination	For hire			Private intercity			Total		
	Into Manitoba	Out of Manitoba	Total	Into Manitoba	Out of Manitoba	Total	Into Manitoba	Out of Manitoba	Total
	'000 tons								
Newfoundland	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-
Quebec	6	1	7	-	-	-	6	1	7
Ontario	62	72	134	3	15	18	65	87	152
Manitoba	-	-	-	-	-	-	-	-	-
Saskatchewan	50	64	114	9	6	15	59	70	129
Alberta	12	13	25	-	-	-	12	13	25
British Columbia	-	2	2	-	-	-	-	2	2
United States	6	8	14	2	-	2	8	8	16
Total	136	160	296	14	21	35	150	181	331

TABLE 2. Selected Statistics by Gross Vehicle Weight Groups

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	¢
10,000 lbs. and under	—	—	—	—	—	—	—
10,001-20,000 lbs.	12	311	3,110	10.0	259.2	210	6.8
20,001-30,000 lbs.	4	249	869	3.5	217.3	57	6.6
30,001-50,000 lbs.	69	6,857	50,003	7.3	724.7	3,668	7.3
50,001 lbs. and over	211	11,707	140,672	12.0	666.7	6,176	4.4
Total	296	19,124	194,654	10.2	657.6	10,111	5.2
	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 lbs. and under	1	229	29	0.1	29.0		
10,001-20,000 lbs.	7	54	271	5.0	38.7		
20,001-30,000 lbs.	4	134	554	4.1	138.5		
30,001-50,000 lbs.	13	582	5,866	10.1	451.2		
50,001 lbs. and over	10	297	3,496	11.8	349.6		
Total	35	1,296	10,216	7.9	291.9		

TABLE 3. Selected Statistics by Commodity Groups

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	¢
Agricultural products	10	563	6,486	11.5	648.6	283	4.4
Animals and animal products	48	3,078	34,062	11.1	709.6	1,371	4.0
Mine products	—	—	—	—	—	—	—
Forest products	—	—	—	—	—	—	—
Manufactures and miscellaneous	137	10,109	94,540	9.4	690.1	5,374	5.7
N.O.S. general freight	101	5,374	59,566	11.1	589.8	3,083	5.2
Total	296	19,124	194,654	10.2	657.6	10,111	5.2
	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	20	519	4,767	9.2	238.4		
Animals and animal products	8	54	271	5.0	33.9		
Mine products	—	—	—	—	—		
Forest products	—	—	—	—	—		
Manufactures and miscellaneous	7	723	5,178	7.2	739.7		
N.O.S. general freight	—	—	—	—	—		
Total	35	1,296	10,216	7.9	291.9		

**SECTION V. TRAFFIC PERFORMED BY MANITOBA REGISTERED BUSES INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled '000	187	486	8,209	3,074	11,956
Average yearly mileage per bus	23,400	13,100	82,100	37,800	66,400
Average journey (average distance per passenger)	14.9	37.6	78.8	44.1	60.2
Fuel:					
Total gallons of gasoline consumed '000	18	63	402	111	594
Miles per gallon of gasoline	10.2	7.8	6.1	5.8	6.3
Total gallons of diesel oil consumed '000	—	—	674	380	1,054
Miles per gallon of diesel oil	—	—	8.6	6.4	7.8
Passengers and passenger miles:					
Total number of passengers carried '000	88	90	1,772	1,665	3,615
Total number of passenger miles '000	1,305	3,382	139,692	73,374	217,753
Average number of passengers carried per mile	7.0	7.0	17.0	23.9	18.2
Capacity:					
Total capacity seat miles '000	3,183	13,332	300,675	132,233	449,423
Percentage of capacity utilized	41.0	25.4	46.5	55.5	48.5
Revenue:					
Total passenger revenue \$'000	26	94	3,296	1,512	4,928
Revenue per mile (total mileage travelled) ¢	14.0	19.3	40.1	49.2	41.2
Revenue per passenger mile ¢	2.0	2.8	2.4	2.1	2.3
Revenue per bus \$	3,300	2,500	33,000	43,000	27,400

**SECTION VI. TRAFFIC PERFORMED BY MANITOBA REGISTERED BUSES WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled '000	137	486	3,548	1,361	5,582
Average yearly mileage per bus	23,400	13,100	35,500	38,900	31,000
Average journey (average distance per passenger)	14.9	37.6	40.3	20.6	29.5
Fuel:					
Total gallons of gasoline consumed '000	18	63	331	110	522
Miles per gallon of gasoline	10.2	7.8	6.1	5.8	6.4
Total gallons of diesel oil consumed '000	—	—	180	107	287
Miles per gallon of diesel oil	—	—	8.4	6.7	7.8
Passengers and passenger miles:					
Total number of passengers carried '000	88	90	1,230	1,446	2,854
Total number of passenger miles '000	1,305	3,382	49,590	29,833	84,110
Average number of passengers carried per mile	7.0	7.0	14.0	21.9	15.1
Capacity:					
Total capacity seat miles '000	3,183	13,332	128,562	59,919	204,996
Percentage of capacity utilized	41.0	25.4	38.6	49.8	41.0
Revenue:					
Total passenger revenue \$'000	26	94	1,132	583	1,835
Revenue per mile (total mileage travelled) ¢	14.0	19.3	31.9	42.9	32.9
Revenue per passenger mile ¢	2.0	2.8	2.3	2.0	2.2
Revenue per bus \$	3,300	2,500	11,300	16,700	10,200



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APPENDIX Sampling Results

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Estimated average Manitoba truck population January 1-December 31, 1957							
For hire	—	113	65	185	178	717	1,258
Private:							
Intercity	—	1,530	210	265	228	162	2,395
Urban	4,732	10,827	1,617	2,418	789	293	20,676
Farm	3,063	20,917	4,117	2,415	261	17	30,790
Total	7,795	33,387	6,009	5,283	1,456	1,189	55,119
Total number of trucks selected in samples							
For hire	—	15	13	37	71	278	414
Private:							
Intercity	—	201	42	52	88	62	445
Urban	393	1,791	400	593	383	141	3,701
Farm	239	2,019	952	563	117	8	3,898
Total	632	4,026	1,407	1,245	659	489	8,458
Number of questionnaires returned completed							
For hire	—	7	7	24	45	162	245
Private:							
Intercity	—	130	26	28	55	50	289
Urban	161	644	186	215	127	49	1,382
Farm	103	780	254	126	27	3	1,293
Total	264	1,561	473	393	254	264	3,209
Number of sampled trucks reported not in use during survey week							
For hire	—	5	2	5	11	70	93
Private:							
Intercity	—	48	12	15	24	8	107
Urban	84	432	104	180	141	57	998
Farm	56	724	511	299	59	2	1,651
Total	140	1,209	629	499	235	137	2,849
Number of questionnaires returned incomplete and unusable							
For hire	—	2	3	5	5	18	33
Private:							
Intercity	—	18	4	6	9	2	39
Urban	118	599	92	139	80	20	1,048
Farm	59	341	111	80	18	2	611
Total	177	960	210	230	112	42	1,731
Number of questionnaires not returned (non-respondents)							
For hire	—	1	1	3	10	28	43
Private:							
Intercity	—	5	—	3	—	2	10
Urban	30	116	18	59	35	15	273
Farm	21	174	76	58	13	1	343
Total	51	296	95	123	58	46	669