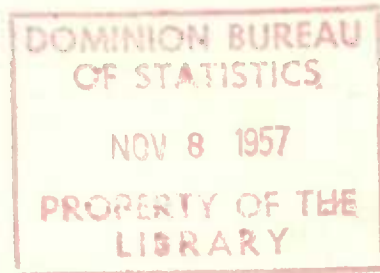


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PROVINCE OF SASKATCHEWAN
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INTRODUCTION

This report presents the results of quarterly surveys of Motor Transport Traffic conducted in the Province of Saskatchewan during the twelve month period January 1, 1956 to December 31, 1956. These surveys have been made possible through the excellent co-operation received from the industry, and

in particular from the officials of the Government of Saskatchewan in allowing the Dominion Bureau of Statistics access to the motor vehicle registration records from which quarterly samples of trucks and buses were selected.

General Description of the Sample

An overall sample of approximately 10 per cent of the trucks and intercity buses registered in Saskatchewan was selected for inclusion in the surveys conducted during the twelve month period ending December 31, 1956. To take into consideration seasonal variations in road transport operations, four surveys each of which consisted of a quarter of the annual sample or about 2½ per cent of commercial motor vehicle registrations were conducted every three months. Each survey ran for a seven day period Sunday through Saturday. Since the number of motor vehicle registrations varies from day to day, each quarterly sample of about 3,000 vehicles was selected immediately prior to the survey week in order to be representative of the registrations in force at the time. Registrations selected were coded so that a particular vehicle would not be chosen more than once during each licence year.

All trucks and buses registered in the province are represented, except those vehicles which are not considered to be engaged in transportation services and buses which are utilized for scheduled urban transit services. The sample thus excludes such vehicles as tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, cat tracks, diggers, graders, and other road building equipment, military and other government owned vehicles, taxis and passenger automobiles and those vehicles which are not required to obtain a Saskatchewan licence under Section 59 of the Saskatchewan Vehicles Act. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including power units or tractors in the survey.

While an annual sample of ten per cent of all trucks registered in the province was considered sufficient to obtain reliable statistics, greater accuracy was achieved by stratifying the sample by gross vehicle weight groups. For example, almost 23,000 vehicles or approximately 24 per cent of the provincial total have a gross vehicle weight of 5,000 pounds or less, whereas only about 1,300 trucks are in the over 30,000 pound group. More reliable results are obtained not only by concentrating higher sampling ratios among the weight groups containing the largest vehicles with the most diver-

sified type of operations, but also by ensuring that each weight group contains a sufficient number of vehicles for expansion purposes. The proportion selected by weight group varied, therefore from 6 per cent in the lowest weight group, to about 32 per cent in the heaviest, with the result that an overall ten per cent ratio was made to represent approximately 20 per cent of the capacity of all vehicles registered.

The quarterly samples were also stratified by function or type of operation into the four categories: 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 trucks are those which are owned and operated on intercity routes by business, industry and individuals to transport their own raw materials, finished goods and merchandise; private urban vehicles are those which are operated predominantly within urban or metropolitan areas and private farm trucks are those operated by farmers primarily for the transportation of farm produce and farm supplies, or for service purposes.

In Saskatchewan, trucks operated provincially for compensation or for hire are classed as "Public Service Vehicles". Public Service Vehicles used for transporting general merchandise over a route or by charter are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. The sample of for hire vehicles was selected directly from these two licence categories. Vehicles owned and operated by farmers and used in connection with their own farm operations are classified as farm vehicles and issued with an "F" licence. Farm trucks were also sampled directly from the registration records. All other private trucks are classified as Commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially. Sample vehicles were selected from these two licence categories and were later divided into "private intercity" and "private urban" on the basis of type of operation performed by the trucks as shown by replies to the survey questionnaires.

Expansion of the Survey Results

Since each quarterly sample was selected at random the final distribution of each sample by gross vehicle weight and by function was used to provide population estimates as at the time of the

sample selection. The results of each quarterly survey were then expanded to represent all trucks and intercity buses registered in the province, as well as the operations performed during the three month

period. Generally, this was achieved 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. Expansion on the basis of the relative size of the sample and population varied with each gross vehicle weight group and with the breakdown of the gross sample into various categories of response. Since there are 13 weeks in the three month period, time expansion was achieved by multiplying by 13 in all cases.

REVIEW OF SURVEY RESULTS

The statistical data obtained from these surveys have been divided into five parts or sections according to type of transportation performed. Section I contains estimates of the transportation performed by all Saskatchewan registered trucks both inside and outside the province. Section II presents estimates of transportation by all Saskatchewan registered trucks within the boundaries of the province only. Section III provides data relating to the operations of Saskatchewan registered trucks engaged in interprovincial and international transportation. Sections IV and V contain estimates of the transportation performed by Saskatchewan registered intercity buses on the same basis as that shown in Sections I and II.

In the Appendix, the average number of trucks registered in Saskatchewan during the twelve month period ending December 31, 1956 is shown by type of operation and by gross vehicle weight. The number of trucks registered averaged 96,158 of which 1,458 or almost 2 per cent were common or for hire carriers and 94,700 or 98 per cent were private. Seventy-nine per cent or 75,612 of the vehicles were classed as farm trucks; that is trucks which were used mainly in the growing, servicing and marketing activities of the farmers; 10,938 or 11 per cent were private trucks operated predominantly within urban areas; and 8,150 or 8 per cent were private intercity vehicles owned and operated by business, industry and individuals to transport and distribute their own goods and merchandise.

In the tables presented herein, blanks appear in a number of places. This is because no vehicles for these particular weight classifications were selected in any of the four samples which were drawn. It does not necessarily follow that there are no vehicles in the province belonging to these weight classifications.

Section I: The estimated total number of miles travelled by all trucks registered in Saskatchewan intraprovincially, interprovincially, internationally and extraprovincially (traffic performed entirely outside the province) during the year ending December 31, 1956 amounted to 387 million of which 42 million miles or 12 per cent were accumulated by for hire trucks and 81 million or 23 per cent by private intercity trucks. For hire trucks travelled an average of 29,100 miles compared to the average of 9,900 miles for private intercity vehicles while the average for all trucks in the province was 4,000 miles during the year.

The resultant expanded data for each of the four quarterly surveys were then combined 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.

The amount of fuel consumed by Saskatchewan registered trucks totalled 37 million imperial gallons of gasoline, and 398,000 gallons of diesel oil. As there were a small number of diesel trucks included in the survey, the estimate of the diesel oil consumption is not a very reliable one and should therefore be used with caution. Average miles per gallon of gasoline varied from 6.6 for the common carriers to 12.2 for farm vehicles. The average for all gasoline trucks amounted to 10.3 miles per gallon and for diesel trucks 6.6 miles per gallon.

The total volume of goods transported by all trucks registered in the province amounted to 23.7 million short tons. Farm trucks carried 11.1 million tons or 47 per cent of the total, private urban trucks transported 5.6 million tons, or 23 per cent; private intercity trucks carried slightly less than 5.6 million tons and for hire carriers transported 1.5 million tons or almost 7 per cent of the total volume. Ton miles performed aggregated 523 million, an average of 5,400 ton miles per vehicle.

Total capacity ton miles, which was based on the actual mileage travelled during the year, amounted to 1,460 million, an average of 15,200 capacity ton miles per vehicle. The percentage of capacity utilized was 35.8 for all trucks and 48.0 per cent for the for hire group. Gross ton miles aggregated 1,830 million, an average of 19,000 gross ton miles per vehicle.

The total amount of revenue received by common or for hire carriers for all types of service amounted to 16 million dollars or \$11,300 per vehicle. Revenue per ton mile was 7.5 cents whereas revenue per total mile amounted to 39.0 cents.

Section II: This series presents the total amount of transportation performed by Saskatchewan registered trucks within the boundaries of the province. In addition to the intraprovincial transportation, it includes that portion of interprovincial and international transportation which was performed on Saskatchewan streets and highways.

The total miles travelled by Saskatchewan registered trucks within the province amounted to 374 million as compared with the grand total of 387 million travelled both inside and outside the province. The yearly mileage per truck averaged 3,900 as against 4,000.

The total volume of goods carried in Saskatchewan amounted to 23.6 million tons. Ton miles totalled 443 million as compared with 523 million inside and outside the province, while average ton miles per vehicle equalled 4,600 as against 5,400. Similarly, the average weight carried per vehicle amounted to 2.7 tons as compared to 3.0 tons and the average distance each ton of goods was carried within the province was 18.8 miles as against 22.0 miles.

Total revenue received by common carriers for the transportation of goods on Saskatchewan streets and highways amounted to 11 million dollars, an average of \$7,800 per vehicle and 7.3 cents per ton mile.

Section III: This section presents some statistics on interprovincial and international transportation. Table 13 shows the total amount of goods transported out of Saskatchewan to other provinces and to the United States as well as the volume of goods transported into Saskatchewan from other provinces and the United States.

Table 14 shows estimates of interprovincial and international transportation by gross vehicle weight groups and by class of carrier. Of total transportation amounting to 94 million ton miles, almost 72 per cent or 68 million ton miles were performed by for hire carriers.

Commodities carried by vehicles engaged in interprovincial and international transportation are shown in table 15. The total weight of goods transported was 179,000 tons, of which 125,000 tons or 70 per cent was carried by for hire trucks. Revenues received by common carriers amounted to 3.5 million dollars an average of 5.09 cents per ton mile. Each ton of goods was transported an average distance of 547 miles. Manufactured and miscellaneous items totalling 70,000 tons were the chief commodities transported by for hire carriers for which revenue of 2.2 million dollars was received.

Private vehicles engaged in interprovincial and international service transported 54,000 tons of goods; 31,000 tons or 57 per cent of which were manufactured and miscellaneous items.

Section IV: The total number of passengers carried by intercity buses licensed in Saskatchewan during the twelve month period January 1, 1956 to December 31, 1956 is estimated at 2.1 million. In

transporting this number of passengers, buses travelled 13.3 million miles, an average of 89,600 miles per bus. The average distance each passenger was carried was 105 miles. The total number of passenger miles performed was 221 million and, for each mile travelled, buses carried an average of 16.7 passengers. Capacity seat miles performed amounted to 473 million indicated that the average capacity utilized was 46.8 per cent.

In travelling this number of miles, buses used 1.1 million gallons of gasoline and 800,000 gallons of diesel oil. Gasoline engined buses averaged 5.8 miles per gallon and those using diesel oil 8.5 miles per gallon.

Total revenues received for the transportation of passengers amounted to 5.3 million dollars, an average of \$35,900 per bus, 40.1 cents per total mile or 2.4 cents per passenger mile.

Section V: Within Saskatchewan, buses travelled a distance of 7.8 million miles using 759,000 gallons of gasoline and 380,000 gallons of diesel oil. Estimated passenger miles performed totalled 109 million and average capacity utilized was 40.3 per cent. Revenue collected for mileage travelled in Saskatchewan amounted to 2.7 million dollars, an average of \$18,100 per bus at the rate of 2.5 cents per passenger mile.

Appendix: The appendix to this report provides an analysis of and the degree of response obtained by the use of the random sample method of collecting Motor Transport Traffic Statistics. For the four quarterly sample surveys conducted in the province over the twelve month period ending December 31, 1956, questionnaires were sent to the owners or operators of 12,198 trucks. Of this total, 5,720 were returned with the questions unanswered because the vehicles concerned were not operated during the specified week for a number of reasons such as "being repaired" or "operator ill". The questionnaires are, however considered to be equivalent to completed returns, as allowance for the average number of vehicles not in operation during the year must be made when expanding the survey results to obtain estimates of the total amount of traffic performed by all registered vehicles in the province. With this provision, the total number of satisfactory or completed questionnaires returned totalled 10,326 or 85 per cent of the total sent. In addition, 793 questionnaires were returned incomplete and therefore were unusable. Non response to the survey totalled 1,079 or 9 per cent.

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 1. Total Miles Travelled

Type of operation ¹	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.	7 ½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Total mileage travelled							
For Hire	—	1,038	97	1,662	9,700	29,919	42,416
Private:							
Intercity	25,836	15,665	3,802	10,334	15,795	9,628	81,060
Urban	27,318	8,891	2,263	3,135	3,434	765	45,806
Farm	42,186	117,855	28,022	19,889	9,995	—	217,947
Total	95,340	143,449	34,184	35,020	38,924	40,312	387,229
Average yearly mileage per truck							
For Hire.....	—	14,400	2,700	11,100	24,700	37,100	29,100
Private:							
Intercity	7,000	10,400	10,300	13,200	11,000	24,500	9,900
Urban	4,100	4,100	4,300	4,000	5,000	4,700	4,200
Farm	3,300	3,200	2,800	1,700	2,100	—	2,900
Total	4,100	3,600	3,100	2,600	5,300	29,600	4,000
Average journey (Average distance each ton of goods was carried)							
For Hire.....	—	68.5	4.0	52.1	78.6	181.7	147.2
Private:							
Intercity	18.7	16.0	15.2	29.9	18.8	46.9	25.7
Urban	9.2	4.0	7.2	6.2	4.6	7.3	5.5
Farm	14.1	11.1	10.0	11.9	13.4	—	11.6
Total	13.1	10.4	10.2	13.6	15.6	86.7	22.0
Percentage of total mileage travelled empty							
For Hire	—	37.6	—	49.2	41.7	32.3	35.2
Private:							
Intercity	75.4	55.6	42.5	36.3	40.2	42.2	54.3
Urban	54.4	43.0	33.8	27.3	40.8	40.8	48.1
Farm	68.6	62.2	56.5	47.9	48.0	—	60.8
Total	66.4	60.2	53.3	42.7	42.6	34.9	55.1

1. For hire trucks—operated for compensation or gain anywhere in the province according to licence. Private—Intercity trucks—owned and operated on intercity routes by business, industry and individuals to transport their own raw materials, finished goods and merchandise. Private—Urban trucks—operated primarily within urban areas. Private—Farm trucks—owned and operated by farmers primarily to transport farm produce and farm supplies or for service purposes.

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 2. Total Fuel Consumption

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
	Total gallons of gasoline consumed						
				'000			
For Hire.....	—	87	12	210	1,273	4,866	6,448
Private:							
Intercity.....	1,851	1,271	376	1,181	2,268	1,731	8,678
Urban.....	1,899	812	245	433	556	175	4,120
Farm.....	2,857	8,989	2,497	2,231	1,283	—	17,857
Total	6,607	11,159	3,130	4,055	5,380	6,772	37,103
	Total gallons of diesel oil consumed						
				'000			
For Hire.....	—	—	—	—	46	27	73
Private:							
Intercity	—	—	—	—	—	325	325
Urban.....	—	—	—	—	—	—	—
Farm.....	—	—	—	—	—	—	—
Total	—	—	—	—	46	352	398

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 2. Total Fuel Consumption - Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Miles per gallon of gasoline							
For Hire	—	11.9	8.2	7.9	7.6	6.1	6.6
Private:							
Intercity	14.0	12.3	10.1	8.7	7.0	5.6	9.3
Urban	14.4	10.9	9.2	7.2	6.2	4.4	11.1
Farm	14.8	13.1	11.2	8.9	7.8	—	12.2
Total	14.4	12.7	10.6	8.6	7.2	6.0	10.3
Miles per gallon of diesel oil							
For Hire	—	—	—	—	—	6.5	6.5
Private:							
Intercity	—	—	—	—	5.3	10.0	7.0
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	5.3	8.8	6.6

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 3. Total Goods Carried and Ton Miles Performed

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total tons of goods carried							
				'000			
For Hire	—	8	31	61	360	1,035	1,495
Private:							
Intercity	178	378	341	542	2,900	1,232	5,571
Urban	366	840	380	888	2,524	621	5,619
Farm	399	4,018	1,911	2,893	1,840	—	11,061
Total	943	5,244	2,663	4,384	7,624	2,888	23,746
Average weight carried (Average weight of goods carried per one-way trip) ¹							
For Hire	—	.8	1.3	3.8	5.0	9.3	8.1
Private:							
Intercity .....	.5	.9	2.4	2.5	5.8	10.4	3.9
Urban .....	.3	.7	1.8	2.4	5.8	10.0	1.3
Farm .....	.4	1.0	1.8	3.3	4.7	—	1.5
Total .....	.4	1.0	1.7	3.0	5.3	9.5	3.0
Total ton miles performed							
				'000			
For Hire	—	548	121	3,183	28,306	187,937	220,095
Private:							
Intercity	3,325	6,055	5,167	16,225	54,588	57,820	143,180
Urban	3,347	3,333	2,720	5,483	11,694	4,546	31,123
Farm	5,647	44,579	19,175	34,534	24,663	—	128,598
Total	12,319	54,515	27,183	59,425	119,251	250,303	522,996
Average ton miles per truck							
For Hire	—	7,600	3,400	21,200	72,000	232,900	151,000
Private:							
Intercity	900	4,000	14,000	20,700	38,100	147,100	17,600
Urban	500	1,500	5,200	7,000	17,200	27,900	2,600
Farm	400	1,200	1,900	3,000	5,100	—	1,700
Total	500	1,400	2,500	4,500	16,200	183,600	5,400

1. Excludes vehicles making trips empty.

Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956

TABLE 4. Total Truck Capacity¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total capacity ton miles							
				'000			
For hire	—	2,005	268	9,607	74,368	372,382	458,630
Private:							
Intercity	20,905	27,029	11,870	47,286	127,174	127,039	361,303
Urban	24,382	17,809	7,324	16,612	27,430	10,663	104,200
Farm	38,173	232,327	83,045	109,918	72,812	—	536,275
Total	83,460	279,170	102,507	183,423	301,784	510,084	1,460,428
Capacity ton miles per truck							
For Hire	—	27,800	7,400	64,000	189,200	461,400	314,600
Private:							
Intercity	5,700	17,900	32,200	60,500	88,900	323,300	44,300
Urban	3,700	8,100	13,900	21,200	40,300	65,400	9,500
Farm	3,000	6,400	8,300	9,400	15,100	—	7,100
Total	3,000	7,000	9,300	13,700	41,100	374,200	15,200
Percentage of capacity utilized							
For hire	—	27.4	45.3	33.1	38.1	50.5	48.0
Private:							
Intercity	15.9	22.4	43.5	34.3	42.9	45.5	39.6
Urban	13.7	18.7	37.1	33.0	42.6	42.6	29.9
Farm	14.8	19.2	23.1	31.4	33.9	—	24.0
Total	14.8	19.5	26.5	32.4	39.5	49.1	35.8

1. Capacity ton miles is determined by multiplying the actual total number of miles travelled by the difference between gross vehicle weight and estimated tare weight.

Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956

TABLE 5. Total Gross Ton Miles Performed¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
	Total gross ton miles						
For hire	—	3,385	441	10,358	74,335	438,440	526,959
Private:							
Intercity	47,604	46,059	19,829	60,210	131,745	124,033	429,480
Urban	50,636	27,444	10,494	18,078	27,526	9,801	143,979
Farm	76,866	353,952	111,787	115,817	70,956	—	729,378
Total	175,106	430,840	142,551	204,463	304,562	572,274	1,829,796
	Average gross ton miles per truck						
For hire	—	47,000	12,300	69,100	189,100	543,300	361,400
Private:							
Intercity	13,000	30,500	53,700	77,000	92,100	315,600	52,700
Urban	7,700	12,500	20,000	23,100	40,400	60,100	13,200
Farm	6,000	9,800	11,100	10,000	14,700	—	9,600
Total	7,600	10,700	13,000	15,300	41,500	419,900	19,000

1. Gross ton miles performed is determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total mileage travelled.

Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956

TABLE 6. Total Revenue from Operations Performed by For Hire Carriers

Type of operation	Gross vehicle weight groups						Total
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	
Total revenue	—	137,000	12,000	632,000	2,539,000	13,145,000	16,465,000
Revenue per ton mile	—	24.9	10.0	20.0	9.0	7.0	7.5
Revenue per mile (total mileage travelled)	—	13.2	12.5	38.0	26.2	43.9	39.0
Average yearly revenue per truck \$	—	1,900	300	4,200	6,500	16,300	11,300

**Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 - December 31, 1956**

TABLE 7. Miles Travelled Within the Province

Type of operation	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
Total mileage travelled							
				'000			
For Hire.....	—	1,038	97	1,662	9,078	21,161	33,036
Private:							
Intercity.....	25,836	15,314	3,788	9,493	15,708	7,271	77,410
Urban.....	27,318	8,891	2,263	3,135	3,434	765	45,806
Farm.....	42,186	117,855	28,022	19,889	9,995	—	217,947
Total	95,340	143,098	34,170	34,179	38,215	29,197	374,199
Average yearly mileage per truck							
For Hire.....	—	14,400	2,700	11,100	23,100	26,200	22,700
Private:							
Intercity.....	7,000	10,200	10,300	12,100	11,000	18,500	9,500
Urban.....	4,100	4,100	4,300	4,000	5,000	4,700	4,200
Farm.....	3,300	3,200	2,800	1,700	2,100	—	2,900
Total	4,100	3,600	3,100	2,600	5,200	21,400	3,900
Average journey (Average distance each ton of goods was carried)							
For Hire.....	—	67.6	4.0	52.1	73.8	133.2	108.1
Private:							
Intercity.....	18.7	15.9	15.2	28.6	18.7	36.4	23.0
Urban.....	9.2	4.0	7.2	6.2	4.6	7.3	5.5
Farm.....	14.1	11.1	10.0	11.9	13.4	—	11.6
Total	13.1	10.4	10.2	13.3	15.3	63.3	18.8
Percentage of total mileage travelled empty							
For Hire.....	—	37.6	—	49.2	42.1	36.4	38.6
Private:							
Intercity.....	75.4	54.8	42.3	37.1	40.2	43.0	54.9
Urban.....	54.4	43.0	33.8	27.3	40.8	40.8	48.1
Farm.....	68.6	62.2	56.5	47.9	48.0	—	60.8
Total	66.4	60.0	53.3	43.1	42.8	38.1	56.0

**Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 - December 31, 1956**

TABLE 8. Fuel Consumption Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
	Total gallons of gasoline consumed						
				'000			
For Hire.....	—	87	12	210	1,189	3,518	5,016
Private:							
Intercity.....	1,851	1,240	365	1,088	2,258	1,305	8,107
Urban.....	1,899	812	245	433	556	175	4,120
Farm.....	2,857	8,989	2,497	2,231	1,283	—	17,857
Total	6,607	11,128	3,119	3,962	5,286	4,998	35,100
	Total gallons of diesel oil consumed						
				'000			
For Hire.....	—	—	—	—	—	161	161
Private:							
Intercity.....	—	—	—	—	39	9	48
Urban.....	—	—	—	—	—	—	—
Farm.....	—	—	—	—	—	—	—
Total	—	—	—	—	39	170	209

Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956

TABLE 8. Fuel Consumption Within the Province – Concluded

Type of operation	Gross vehicle weight groups						Total
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	
	Miles per gallon of gasoline						
For Hire	—	11.9	8.2	7.9	7.6	6.0	6.6
Private:							
Intercity	14.0	12.4	10.4	8.7	7.0	5.6	9.5
Urban	14.4	10.9	9.2	7.2	6.2	4.4	11.1
Farm	14.8	13.1	11.2	8.9	7.8	—	12.2
Total	14.4	12.7	10.7	8.6	7.2	5.8	10.7
	Miles per gallon of diesel oil						
For Hire	—	—	—	—	—	6.2	6.2
Private:							
Intercity	—	—	—	—	5.5	9.9	6.3
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	5.5	6.4	6.2

Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956

TABLE 9. Goods Carried and Ton Miles Performed Within the Province

Type of operation	Gross vehicle weight groups						Total
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	
	Total tons of goods carried						
	'000						
For Hire	—	8	31	61	356	952	1,408
Private:							
Intercity	178	378	341	503	2,899	1,181	5,480
Urban	366	840	380	888	2,524	621	5,619
Farm	399	4,018	1,911	2,893	1,840	—	11,061
Total	943	5,244	2,663	4,345	7,619	2,754	23,568
	Average weight carried						
	(Average weight of goods carried per one-way trip) ¹						
For Hire	—	.8	1.3	3.8	5.0	9.4	7.8
Private:							
Intercity .....	.5	.9	2.4	2.4	5.8	10.4	3.6
Urban .....	.3	.7	1.8	2.4	5.8	10.0	1.3
Farm .....	.4	1.0	1.6	3.3	4.7	—	1.5
Total .....	.4	1.0	1.7	3.0	5.3	9.6	2.7
	Total ton miles performed						
	'000						
For Hire	—	546	121	3,183	26,289	126,760	156,901
Private:							
Intercity	3,325	6,008	5,167	14,388	54,277	42,987	126,152
Urban	3,347	3,333	2,720	5,483	11,694	4,546	31,123
Farm	5,647	44,579	19,175	34,534	24,663	—	128,598
Total	12,319	54,468	27,183	57,588	116,923	174,293	442,774
	Average ton miles per truck						
For Hire	—	7,600	3,400	21,200	66,900	157,100	107,600
Private:							
Intercity	900	4,000	14,000	18,400	37,900	109,400	15,500
Urban	500	1,500	5,200	7,000	17,200	27,900	2,800
Farm	400	1,200	1,900	3,000	5,100	—	1,700
Total	500	1,400	2,500	4,300	15,900	127,900	4,600

1. Excludes vehicles making trips empty.

**Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956**

TABLE 10. Truck Capacity Within the Province¹

Type of operation	Gross vehicle weight groups						Total
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	
Total capacity ton miles							
For Hire.....	—	2,005	268	9,607	70,605	290,311	372,796
Private:							
Intercity.....	20,905	26,600	11,784	45,524	126,357	99,287	330,457
Urban.....	24,382	17,809	7,324	16,612	27,430	10,663	104,220
Farm.....	38,173	232,327	83,045	109,918	72,812	—	536,275
Total	83,460	278,741	102,421	181,661	297,204	400,281	1,343,748
Capacity ton miles per truck							
For Hire.....	—	27,800	7,400	64,000	179,600	359,700	255,700
Private:							
Intercity.....	5,700	17,600	31,900	58,200	88,300	252,600	40,500
Urban.....	3,700	8,100	13,900	21,200	40,300	65,400	9,500
Farm.....	3,000	6,400	8,300	9,400	15,100	—	7,100
Total	3,600	6,900	9,300	13,600	40,500	293,700	14,000
Percentage of capacity utilized							
For Hire.....	—	27.3	45.3	33.1	37.2	43.6	42.1
Private:							
Intercity.....	15.9	22.6	43.9	31.6	43.0	43.3	38.2
Urban.....	13.7	18.7	37.1	33.0	42.6	42.6	29.9
Farm.....	14.8	19.2	23.1	31.4	33.9	—	24.0
Total	14.8	19.5	26.5	31.7	39.3	43.5	33.0

1. Capacity ton miles is determined by multiplying the actual number of miles travelled within the province by the difference between gross vehicle weight and estimated tare weight.

**Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956**

TABLE 11. Gross Ton Miles Performed Within the Province¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
	Total gross ton miles						
				'000			
For Hire	—	3,385	441	10,358	69,406	272,840	356,430
Private:							
Intercity	47,604	45,154	19,487	55,066	131,018	92,256	390,565
Urban	50,636	27,444	10,494	18,078	27,526	9,801	143,979
Farm	76,866	353,952	111,787	115,817	70,956	—	729,378
Total	175,106	429,935	142,209	199,319	298,906	374,897	1,626,372
	Average gross ton miles per truck						
For Hire	—	47,000	12,300	69,100	176,600	338,100	244,500
Private:							
Intercity	13,000	29,900	52,800	70,400	91,600	234,700	47,900
Urban	7,700	12,500	20,000	23,100	40,400	60,100	13,200
Farm	6,000	9,800	11,100	10,000	14,700	—	9,600
Total	7,600	10,700	12,900	14,900	40,700	275,100	16,900

1. Gross ton miles performed is determined by adding to the total ton miles performed the weight of vehicle empty (tare) multiplied by total mileage travelled.

**Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956**

TABLE 12. Revenue From Operations Performed by For Hire Carriers Within the Province

Type of operation	Gross vehicle weight groups						Total
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	
Total revenue..... \$	—	137,000	12,000	632,000	2,359,000	8,261,000	11,401,000
Revenue per ton mile..... ¢	—	24.9	10.0	19.9	9.0	6.5	7.3
Revenue per mile (total mileage travelled)..... ¢	—	13.2	12.5	38.0	26.0	39.0	34.7
Average yearly revenue per truck \$	—	1,900	300	4,200	6,000	10,200	7,800

Section III. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 13. Total Tons of Goods Carried Into and Out of Saskatchewan by Origin and Destination, by Type of Operation

Origin or destination	For hire trucks	Private intercity trucks	All trucks
	'000 tons	'000 tons	'000 tons
To Ontario	7	—	7
From Ontario	11	—	11
To Manitoba	38	9	47
From Manitoba	35	16	51
To Alberta	12	11	23
From Alberta	21	15	36
To British Columbia	—	—	—
From British Columbia	—	—	—
To Northwest Territories	—	—	—
From Northwest Territories	—	—	—
To United States	—	—	—
From United States	1	3	4
Grand Total	57	20	77
To	57	20	77
From	68	34	102

Section III. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 14. Interprovincial and International Traffic by Gross Vehicle Weight Groups

Gross vehicle weight	For hire trucks			
	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per trip
	'000	'000	Tons	Miles
20,000 lbs. or less	—	—	—	—
20,001-25,000 lbs.	341	1,808	5.3	109
25,001-30,000 "	—	—	—	—
30,001-35,000 "	1,648	17,686	10.7	704
35,001-40,000 "	3,219	29,924	9.3	718
40,001-45,000 "	2,010	18,728	9.3	515
45,001-50,000 "	—	—	—	—
50,001 and over	—	—	—	—
Total	7,218	68,146	9.4	521
Gross vehicle weight	Private intercity trucks			
	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per trip
	'000	'000	Tons	Miles
20,000 lbs. or less	244	812	3.3	101
20,001-25,000 lbs.	178	753	4.2	330
25,001-30,000 "	—	—	—	—
30,001-35,000 "	1,097	7,055	6.4	185
35,001-40,000 "	487	6,372	13.1	301
40,001-45,000 "	867	10,829	12.5	357
45,001-50,000 "	—	—	—	—
50,001 and over	—	—	—	—
Total	2,873	25,821	9.0	222

Section III. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 15. Commodities Carried by Saskatchewan Registered Trucks in Interprovincial and International Traffic

Commodity classification	For hire trucks						
	Weight of goods carried	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	5	72	705	9.8	141	25	3.60
Animal and animal products	27	1,449	14,611	10.1	541	532	3.64
Mine Products	1	45	247	5.5	247	8	3.24
Forest products	2	59	632	10.7	316	14	2.21
Manufacturing and miscellaneous	70	4,410	39,292	8.9	561	2,213	5.63
N.O.S. general freight	20	1,183	12,659	10.7	633	679	5.36
Total	125	7,218	68,146	9.4	547	3,471	5.09
	Private intercity trucks						
	Weight of goods carried	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural Products	4	355	2,691	8.3	740		
Animal and animal products	2	210	1,142	5.4	571		
Mine products	—	—	—	—	—		
Forest products	3	68	742	10.9	247		
Manufacturing and miscellaneous	31	996	10,796	10.8	348		
N.O.S. general freight	14	1,244	10,450	8.4	746		
Total	54	2,873	25,821	9.0	483		

Section IV. Motor Bus Traffic Performed by Saskatchewan Registered Buses Inside and Outside the Province January 1, 1956 - December 31, 1956

TABLE 16. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue

	Passenger seating capacity				
	0-19	20-29	30-39	40 & over	Total
Mileage:					
Total mileage travelled	890,000	—	11,090,000	1,283,000	13,263,000
Average yearly mileage per bus	55,600	—	95,600	80,200	89,600
Average journey (average distance per passenger)	47.7	—	114.2	72.2	105.2
Fuel:					
Total gallons of gasoline consumed	100,000	—	724,000	258,000	1,082,000
Total gallons of diesel oil consumed	—	—	800,000	—	800,000
Miles per gallon of gasoline	8.9	—	5.9	5.0	5.8
Miles per gallon of diesel oil	—	—	8.5	—	8.5
Passengers and passenger miles:					
Total number of passengers carried	138,000	—	1,732,000	234,000	2,104,000
Total number of passenger miles	6,588,000	—	197,786,000	16,891,000	221,265,000
Average number of passengers carried per mile	7.4	—	17.8	13.2	16.7
Capacity:					
Total capacity seat miles	13,354,000	—	407,214,000	52,600,000	473,168,000
Percentage of capacity utilized	49.3	—	48.6	32.1	46.8
Revenue:					
Total passenger revenue	\$ 188,000	—	4,705,000	426,000	5,319,000
Revenue per mile (total mileage travelled)	¢ 21.1	—	42.4	33.2	40.1
Revenue per passenger mile	¢ 2.9	—	2.4	2.5	2.4
Revenue per bus	\$ 11,800	—	40,600	26,600	35,900

**Section V. Motor Bus Traffic Performed by Saskatchewan Registered Buses Within the Province
January 1, 1956 - December 31, 1956**

TABLE 17. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue

	Passenger seating capacity				
	0-19	20-29	30-39	40 & over	Total
Mileage:					
Total mileage travelled	890,000	—	5,579,000	1,283,000	7,752,000
Average yearly mileage per bus	55,600	—	48,100	80,200	52,400
Average journey (average distance per passenger)	47.7	—	84.1	72.2	78.5
Fuel:					
Total gallons of gasoline consumed	100,000	—	401,000	258,000	759,000
Total gallons of diesel oil consumed	—	—	380,000	—	380,000
Miles per gallon of gasoline	8.9	—	5.8	5.0	5.6
Miles per gallon of diesel oil	—	—	8.6	—	8.6
Passengers and passenger miles:					
Total number of passengers carried	138,000	—	1,014,000	234,000	1,386,000
Total number of passenger miles	6,588,000	—	85,291,000	16,891,000	108,770,000
Average number of passengers carried per mile	7.4	—	15.3	13.2	14.0
Capacity:					
Total capacity seat miles	13,354,000	—	203,968,000	52,600,000	269,922,000
Percentage of capacity utilized	49.3	—	41.8	32.1	40.3
Revenue:					
Total passenger revenue \$	188,000	—	2,061,000	426,000	2,675,000
Revenue per mile (total mileage travelled) ¢	21.1	—	36.9	33.2	34.5
Revenue per passenger mile	2.9	—	2.4	2.5	2.5
Revenue per bus	11,800	—	17,800	26,600	18,100

APPENDIX I
Sampling Results

Type of operation	Gross vehicle weight groups						Total
	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	
Estimated average Saskatchewan truck population January 1, 1956—December 31, 1956							
For Hire	—	72	36	150	393	807	1,458
Private:							
Intercity	3,667	1,508	369	782	1,431	393	8,150
Urban	6,593	2,191	526	784	681	163	10,933
Farm	12,798	36,297	10,050	11,634	4,833	—	75,612
Total	23,058	40,068	10,981	13,350	7,338	1,363	96,158
Total number of trucks selected in samples							
For Hire	—	8	6	24	120	258	416
Private:							
Intercity	202	166	60	127	451	128	1,134
Urban	361	240	86	128	217	52	1,034
Farm	700	3,917	1,604	1,672	1,471	—	9,564
Total	1,263	4,331	1,756	2,151	2,259	438	12,198
Number of questionnaires returned completed							
For Hire	—	5	2	9	63	129	208
Private:							
Intercity	103	94	30	66	155	46	494
Urban	180	133	42	67	74	18	514
Farm	259	1,609	643	484	395	—	3,390
Total	542	1,841	717	626	687	193	4,606
Number of sampled trucks reported not in use during the survey week							
For Hire	—	2	2	11	36	90	141
Private:							
Intercity	55	47	21	43	212	52	430
Urban	101	73	31	48	103	22	378
Farm	293	1,706	757	1,153	862	—	4,771
Total	449	1,828	811	1,255	1,213	164	5,720
Number of questionnaires returned incomplete and unusable							
For Hire	—	1	2	2	14	22	41
Private:							
Intercity	34	17	6	11	61	17	146
Urban	62	23	10	8	29	8	140
Farm	57	205	62	64	78	—	466
Total	153	246	80	85	182	47	793
Number of questionnaires not returned (non-respondents)							
For Hire	—	—	—	2	7	17	26
Private:							
Intercity	10	8	3	7	23	13	64
Urban	18	11	3	5	11	4	52
Farm	91	397	142	171	136	—	937
Total	119	416	148	185	177	34	1,079

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