





MOTOR TRANSPORT TRAFFIC

NATIONAL ESTIMATES

FIRST QUARTER, 1960



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This quarterly publication has been designed to provide commodity detail which has become available from the sample surveys of commercial motor vehicles conducted in each of the ten provinces on a continuing quarterly basis. For a complete description of the design of the sample as well as the methods and procedures, reference should be made to the publication "Motor Transport Traffic - National Estimates, 1957," Catalogue No. 53-207.

The quarterly series covers the operation of intercity vehicles, both private and for hire, but it should be noted that urban services of these vehicles are necessarily included. The operations of vehicles classed as farm and urban are described in the annual Motor Transport Traffic reports but are excluded from this publication.

This report includes tables dealing with for hire vehicles and private intercity vehicles. For each class the data are broken down to show operations on trips up to and including 50 miles and on trips over 50 miles as well as total operations.

For purposes of comparison with other modes of transport, the Railway Freight Commodity Statistics Classification has been generally followed (see Appendix I). However, where sufficient descriptive detail was not reported for a particular item it was necessary to assign it to a N.O.S. (not otherwise specified) class. Also, mixed truckloads of goods which were within the same main commodity group, such as agricultural products, have been included with "other agricultural products". However, when the commodities reported for a mixed truckload belonged to more than one of the five main commodity groups, they have been assigned to the "N.O.S. general freight" group. Therefore the totals shown for individual commodities are understated in proportion to the amount of that commodity which, of necessity, was assigned to one of these general classes.

The results of the provincial sample surveys were expanded to represent the estimated truck population for the thirteen weeks of the quarter and combined for a Canada total. For purposes of comparison and continuity all commodities shown individually in the report for the fourth quarter of 1959 have been retained except those for which the number of trips recorded were very low. It should also be noted that the tonnage for some commodities shown has dropped below 100,000 tons which was the minimum requirement for the separate listing of a commodity in the 1959 reports.

Because of the method of selection, it has been possible to show more commodities individually for the for hire vehicles in tables 1 to 3 than for the private intericty trucks in tables 4 to 6. All other commodities not listed separately have been included in either the "other" figures of the five main commodity groups or in the N.O.S. general freight as previously explained.

Weight of goods carried, miles travelled with load, net ton miles and revenue have been rounded to thousands and average distance per ton has been rounded to tens. Averages were calculated before the figures were rounded. The data in this report are estimates subject to sampling error. As time has not permitted a study of the reliability of the detailed information, the data should be used with caution.

Glossary of Terms

Average distance per ton - average distance each ton was carried. Net ton miles divided by the total weight of goods carried.

Average weight carried per truck - total net ton miles performed divided by miles travelled with load.

For hire vehicles - those vehicles (common and contract) which were operated for compensation and, in most provinces, were identified by a distinct series of licence plate numbers, especially for public service vehicles.

Net ton miles - average weight of goods carried per trip multiplied by the number of loaded miles.

N.O.S. - not otherwise specified. (As a result of insufficient descriptive detail for some of the commodities recorded in the questionnaires, it has been necessary to assign these commodities to the N.O.S. classes rather than to a more specific class.)

Private intercity vehicles - privately owned trucks (both intercity and rural) which were operated beyond urban areas and were not used directly in connection with farm operations.

Weight of goods carried - total weight of goods loaded on the vehicles.

For Hire Trucks

In the first quarter of 1960, for hire trucks carried an estimated 25,465,000 tons of goods compared with 47,297,000 tons in the fourth quarter of 1959, a decrease of 46 per cent. However, the net ton miles declined only 1 per cent because the average distance per ton rose to 80 miles from 60, while the average weight carried per truck remained at 10 tons. The revenue received for the transportation of goods decreased 26 per cent to \$134,570,000 from \$181,454,000 and the revenue per ton mile declined to 6.3 cents from 7.0 cents.

For trips over 50 miles manufactures and miscellaneous products accounted for 56 per cent of the weight of goods carried, 49 per cent of the net ton miles performed and 55 per cent of the revenue for these for hire trucks.

Private Intercity Trucks

The private intercity vehicles, in the first quarter of 1960, carried an estimated 17,267,000 tons of goods compared with 39,493,000 in the fourth quarter of 1959, a decrease of 56 per cent. The average weight of goods carried per truck remained at 4 tons but the average distance per ton increased to approximately 40 miles from 30 miles in the previous quarter. The net ton miles for these vehicles declined 30 per cent to 692,713,000 from 983,215,000.

For trips over 50 miles, manufactures and miscellaneous products accounted for 61 per cent of the weight of goods carried and 60 per cent of the net ton miles performed by these private intercity trucks.

TABLE 1. Total For Hire Truck Traffic

			1				
Commodities	Weight of goods carried	Average weight carried	Miles travelled with load	Net ton miles	Average distance per ton	Revenuc	Revenue per ton mile
	'000 tons	tons	1000	'000	miles	\$1000	É
Agricultural products:							
Grain	169	10	650	6,475	40	401	6.2
Mill products	21 29	15	640 825	9,772	470 390	168 325	1.7
Vegetables	58	15	1,560	24,181	420	612	2.5
Other agricultural products	220	13	2,960	38,193	170	1,570	4.1
Total agricultural products	497	14	6,635	89,995	180	3,076	3.4
Animals and animal products:	1400		Ret .				
Live animals and poultry	150	9	2,830	24,847	170	1,494	6.0
Meats and dressed poultry	129	13	11,950	158,313	1,230	4,710	3.0
Dairy products	919	9	10,806	41,971	50	4,946	11.8
			3,430	47,249	160	2,528	5.3
Total animals and animal products	1,500	9	31,042	272,380	180	13,678	5.0
Mine products:						- 1	
Coal	1,486	10	1,798	18,241	10	1,327	7.3
Gravel and sand, N.O.S	4,596	10	4,512	43, 116	10	3,304	7.7
Stone and rock	745	10	772	7,780	10	455	5.8
Other mine products	1,711	13	3,259	42,317	30	2,399	5.7
Total mine products	8,538	11	10,341	111,454	10	7,485	6.7
Forest products:			7				
Topo butto and helps	411	11	002	10.7/0	20	0.7/	0.1
Lumber, shingles and lath	605	12	983	10,742	30 60	2,039	8.1
Other forest products	740	11	3,014	31,890	40	2,243	7.0
Total forest products	1,756	11	6,801	75,996	40	5,156	6.8
Manufactures and miscellaneous:							
Gasoline	175	14	1 201	19 790	110	9/.1	1. 6
Fuel, road and petroleum residual oils, N.O.S.	984	14	1,391 5,602	18,789 78,463	110 80	841 4,512	5.8
Petroleum products, refined, N.O.S	886	14	7,207	104,332	120	4,758	4.6
Chemicals	244	18	1,333	24,042	100	1,373	5.7
Manufactured iron and steel	354	16 12	2,401 1,706	37,839 21,286	110	1,819	4.8 7.4
Automobiles, passenger	221	8	8,890	72,962	330	5,376	7.4
Vehicle parts, N.O.S	64	10	1,133	10,800	170	770	7.1
Cement	363	17	1,846	30,511	80	1,725	5.7
Brick, common	199	11	768 127	8,513	40 20	344	4.0
Artificial stone, N.O.S.	29	10	39	1,211	10	109 32	9.0
Lime, N.O.S	91	17	170	2,949	30	285	9.7
Paper and paper articles	510	7	7,275	50,861	100	3,617	7.1
Building materials, N.O.S.	244	10	1,035	10,763	40	907	8.4
Food products	238 440	13 12	2,217 6,810	28,193 84,299	120 190	1,507	5.3
Feed, animal and poultry, N.O.S	136	10	1,134	11,282	80	519	4.6
Other manufactures and miscellaneous	3,480	8	48,326	399,513	120	33,844	8.5
Total manufactures and miscellaneous	8,937	10	99,410	996,999	110	68,059	6.8
N.O.S. general freight:	4,237	10	57,791	582,463	140	37,116	6.4
GRAND TOTAL	25,465	10	212,020	2,129,287	80	134,570	6.3

⁽¹⁾ The sample did not provide sufficient number of trips to produce reliable statistics for these commodities.

TABLE 2. For Hire Truck Traffic - Trips up to and Including 50 Miles

Commodities	Weight of goods carried	Average weight carried	Miles travelled with load	Net ton miles	Average distance per ton	Revenue	Revenue per ton mil
	'000 tons	tons	1000	000	miles	\$1000	ŧ
gricultural products:							
	117		26.2	1 071	20	200	10.5
Grain	117	8	262	1,971	20	208	10.5
Fruit(1)	-	-	-	-		-	-
Vegetables	27	9	106	914	30	103	11.2
Other agricultural products	127	6	410	2,560	20	413	16.1
Total agricultural products	271	7	778	5,445	20	724	13.3
nimals and animal products:							
Live animals and poultry	48	4	327	1,231	30	246	20.0
Meats and dressed poultry(1)	-	-	-	-	-	-	-
Dairy products	797	3	9,110	27,416	30	3,856	14.1
Other animals and animal products	130	3	1,025	3,297	30	599	18.2
Total animals and animal products	975	3	10,462	31,944	30	4,701	14.7
ne products:							
Coal	1,486	10	1,798	18,241	10	1,327	7.3
Gravel and sand, N.O.S.	4,596	10	4,512	43,116	10	3,304	7.7
Stone and rock	745	10	772	7,780	10	455	5.8
Asphalt(1)	1,544	11	1,446	15,405	10	1,327	8.6
other mine products	1,544	A. A.	1,440	13,403	10	1,327	
Total mine products	8,371	10	8,528	84,542	10	6,413	7.6
preat products:							
Logs, butts and bolts	370	10	713	7,031	20	681	9.7
Lumber, shingles and lath	409	11	813	9,171	20	890	9.7
Other forest products	543	9	1,299	11,319	20	1,113	9.8
Total forest products	1,322	10	2,825	27,521	20	2,684	9.8
snufactures and miscellaneous:							
	7.0	9	160	1 260	20	161	,,,,
Fuel, road and petroleum residual oils, N.O.S.	72 684	10	159 1,706	1,360 16,337	20	151	11.1
Petroleum products, refined, N.O.S.	405	8	1,239	10,003	30	873	8.7
Chemicals	140	18	125	2,186	20	232	10.6
Manufactured iron and steel	192	13	277	3,612	20	467	12.9
Machinery and machines, N.O.S	145 41	14	180 219	2,447 1,397	20 30	382 326	15.6
Vehicle parts, N.O.S.	12	3	128	354	30	102	28.8
Cement	187	16	247	3,859	20	313	8.1
Brick, common	168	7	407	2,976	20	180	6.0
Brick, N.O.S. and building tile	55	10	127	1,211	20	109	9.0
Artificial stone, N.O.S.	29	10	39	391	10	32	8.3
Lime, N.O.S.	91	17	170	2,949	30 30	285	9.7
Paper and paper articles	245 188	6	3,892	7,094 2,406	10	1,283	20.3
Suilding materials, N.O.S	113	6	278	1,710	20	493	28.8
Food products	172	7	557	4,120	20	654	15.9
Feed, animal and poultry, N.O.S.	76	7	288	1,972	30	186	9.4
Other manufactures and miscellaneous	2,065	3	12,022	35,376	20	10,038	28.4
man 1 and francisco and advantagement	5,080	5	22,485	101,760	20	18,458	18.1
Total manufactures and miscellaneous							
	2,569	3	13,637	46,638	20	10,870	23.3
O.S. general freight:	2,569 18,588	3	13,637	46,638 297,850	20	10,870	23.3

⁽¹⁾ The sample did not provide sufficient number of trips to produce reliable statistics for these commodities.

TABLE 3. For Hire Truck Traffic - Trips Over 50 Miles

Commodities	Weight of goods carried	Average weight carried	Miles travelled with load	Net ton miles	Average distance per ton	Revenue	Revenue per ton mile
	'000 tons	tons	'000	1000	miles	\$1000	£
Agricultural products:							
Grain	52	12	388	4,504	90	193	4.3
Mill products	21	15	640	9,772	470	168	1.7
Fruit	29	14	825	11,374	390	325	2.9
Vegetables	31	16	1,454	23,267	770	509	2.2
Other agricultural products	93	14	2,550	35,633	380	1,157	3.2
Total agricultural producta	226	14	5,857	84,550	380	2,352	2.8
nimals and animal products:		20				14.16	5-21-
	102		2 502	22 616	220	1 2/0	F 2
Live animals and poultry Meats and dressed poultry	102 129	13	2,503 11,950	23,616	1,230	1,248	5.3
Dairy products	122	9	1,696	14,555	120	1,090	7.5
Other animals and animal products	172	10	4,431	43,952	260	1,929	4.4
Total animals and animal products	525	12	20,580	240,436	460	8,977	3.7
tine products:	4-4						
			-				
Coal (1)	-	-		-	-	-	
Gravel and sand, N.O.S. (1)	-			-			-
Asphalt (1)		-				100	
Other mine products	167	15	1,813	26,912	160	1,072	4.0
Total mine products	167	15	1,813	26,912	160	1,072	4.0
Forest products:							
Logs, butts and bolts	41	14	270	3,711	90	193	5.2
Lumber, shingles and lath	196	12	1,991	24, 193	120	1,149	4.7
Other forest products	197	12	1,715	20,571	100	1,130	5.5
Total forest products	434	12	3,976	48,475	110	2,472	5.1
danufactures and miscellaneous:							
	107	1.6	1 222	17 620	170	(00	6.0
Gasoline	103 300	14	1,232 3,896	17,429 62,126	170 210	2,649	4.0
Petroleum products, refined, N.O.S.	481	16	5,968	94,329	200	3,885	4.1
Chemicals	104	18	1,208	21,856	210	1,141	5.2
Manufactured iron and steel	162	16	2,124	34,227	210	1,352	4.0
Machinery and machines, N.O.S	79	12	1.526	18,839	240	1,186	6.3
Automobiles, passenger	180	8	8,671 1,005	71,565	200	5,050	7.1
Vehicle parts, N.O.S.	52 176	17	1,599	26,652	150	1,412	5.3
Brick, common	31	15	361	5,537	180	164	3.0
Brick, N.O.S. and building tile (1)	-	-	-	-	-	-	-
Artificial stone, N.O.S. (1)	-	_		-			-
Paper and paper articles	265	13	3,383	43,767	170	2,334	5.3
Building materials, N.O.S	56	14	610	8,357	150	418	5.0
Beverages	125	14	1,939	26,483	210	1,014	3.8
Food products	268	13	6,253	80,179	300	3,499	4.4
Feed, animal and poultry, N.O.S Other manufactures and miacellaneous	1,415	11	846 36,304	9,310	150 260	333 23,806	3.6 6.5
Total manufactures and miscellaneous	3,857	12	76,925	895,239	230	49,601	5.5
N.O.S. general freight:	1,668	12	44,154	535,825	320	26,246	4.9
GRAND TOTAL	6,877	12	153,305	1,831,437	270	90,720	5.0

⁽¹⁾ The sample did not provide sufficient number of trips to produce reliable statistics for these commodities

TABLE 4. Total Private Intercity Truck Traffic

Commodities	Weight of goods carried	Average weight carried	Miles travelled with load	Net ton miles	Average distanc per ton
	'000 tons	tons	1000	'000	miles
gricultural products:					
Grain	151	9	675	6,021	40
Mill products	59	7	395	2,643	50
Fruit	61	12 10	735 688	8,569 7,110	140 150
Other agricultural products	341	4	7,279	28,862	90
Total agricultural products	660	5	9,772	53,205	80
nimals and animal products:					
Live animals and poultry	71	2	2,053	4,924	70
Meats and dressed poultry	84	3	3,123	8,970	110
Dairy products Other animals and animal products	136	2 2	10,645	23,947 12,801	50
Total animals and animal products	755	2	21,847	50,642	70
ine products:					
Coal	218	4	1,136	4. 797	20
Gravel and sand, N.O.S.	1,308	9	1,665	4,787	20 10
Stone and rock	388	9	670	6,037	20
Asphalt(1)Other mine products	517	11	1,611	17,959	43
Total mine products	2,431	9	5,082		
Total mane products	2,431	,	3,002	43,610	20
orest products:					
Logs, butts and bolts	1,452	10	3,470	34,980	20
Wood, fuel	83	4	433	1,521	20
Pulpwood	1,083	10	3,827	36,372	30
Other forest products	480	7	3,637 2,027	30,083 14,526	40 30
Total forest products	3,900	9	13,394	117,482	30
	3,700		13,334	117,402	30
anufactures and miscellaneous:					
Gasoline	1.050	10	3,314	33,803	30
Fuel, road and petroleum residual oils, N.O.S	1,608	7	5,437	39,937	30
Petroleum products refined, N.O.S	2,119	8	8,574	70,704	30
Chemicals	128	11	1,547	6,809 8,112	50 70
Machinery and machines, N.O.S.	114	5	2,066	9,993	90
Cement	206	10	518	5,002	20
Paper and paper articles	62	3	1,701	6,783	110
Beverages	588	5	3,916 5,531	11,139	50
Food products	567	2	19,500	35,296	60
Feed, animal and poultry, N.O.S.	367	5	2,990	16,426	50
Other manufactures and miscellaneous	1,648	2	48,358	112,428	70
Total manufactures and miscellaneous	8,824	4	104,058	386,666	40
O.S. general freight.	607	3	12 104	61 100	(0
.O.S. general freight:	697		13,124	41,108	60
GRAND TOTAL	17,267	4	167,277	692,713	40

⁽¹⁾ The sample did not provide sufficient number of trips to produce reliable statistics for these commodities.

TABLE 5. Private Intercity Truck Traffic - Trips up to and Including 50 Miles

Commodities	Weight of goods carried	Average weight carried	Miles travelled with load	Net ton miles	Average distance per ton
	'000 tons	tons	1000	1000	miles
Agricultural products:					
Agricultural products:				1 21	
Grain	107	6	271	1,513	10
Mill products	45	5	172	846	20
Fruit Vegetables	33	6 4	122 139	679 533	20
Other agricultural products	221	2	5,254	8,525	40
Total agricultural products	430	2	5,958	12,096	30
nimals and animal products:					
Live animals and poultry	41	1	715	1,072	30
Meats and dressed poultry	42	1	1,817	962	20
Dairy products	400	2	9,354	17,257	40
Other animals and animal products	86	1	3,462	2,928	30
Total animals and animal products	569	1	15,348	22,219	40
fine products:					
Coal	218	4 9	1,136	4,787	20
Stone and rock	1,308	9	1,665	14,827 6,037	10
Asphalt(1)		_	-	-	-
Other mine products	461	7	971	7,089	20
Total mine products	2,375	7	4,442	32,740	10
Porest products:					
Logs, butts and bolts	1,352	10	2,801	27,865	20
Wood, fuel	83	4	433	1,521	20
Pulpwood	843	8	2,205	18,049	20
Lumber, shingles and lath	679	7	2,117	15,486	20
Other forest products	417	0	1,252	7,103	20
Total forest products	3,374	8	8,808	70,024	20
Anufactures and miscellaneous:					
Gasoline	816	8	2,150	17,422	20
Fuel, road and petroleum residual oils, N.O.S	1,413	6	3,923	24,190	20
Petroleum products refined, N.O.S	1,731	6 16	5,374 192	30,396	20 30
Manufactured iron and steel	78	7	324	2,127	30
Machinery and machines, N.O.S.	76	3	680	1,795	20
Cement	189	8	327	2,581	10
Paper and paper articles	35	1	1,118	1,663	50
Building materials, N.O.S.	204 442	2 4	2,211 3,888	3,322	20 30
Food products	374	i	14,957	11,644	30
Feed, animal and poultry, N.O.S	264	3	1,522	4,701	20
Other manufactures and miscellaneous	1,143	1	25,118	26,989	20
Total manufactures and miscellaneous	6,876	2	61,784	144,367	20
N.O.S. general freight:	474	1	6,142	7,742	20
GRAND TOTAL	14,098		102,482		20

⁽¹⁾ The sample did not provide sufficient number of trips to produce reliable statistics for these commodities.

TABLE 6. Private Intercity Truck Traffic - Trips Over 50 Miles

Commodities	Weight of goods carried	Average weight carried	Miles travelled with load	Net ton miles	Average distance per ton
	'000 tons	tons	1000	'000	miles
gricultural products:					
			101		
Grain	44	11	404	4,508	100
Mill products	14 28	8	223 613	1,797 7,890	130 280
FruitVegetables	24	12	549	6,577	270
Other agricultural products	120	10	2,025	20,337	170
Total agricultural products	230	11	3,814	41, 109	180
imals and animal products:					
Live animals and poultry	30	3	1,338	3,852	130
Meats and dressed poultry	42	6	1,306	8,008	190
Dairy products	64	5	1,291	6,690	110
Other animals and animal products	50	4	2,564	9,873	200
Total animals and animal products	186	4	6,499	28,423	150
ne products:					
Coal (1)	_				
Gravel and sand, N.O.S. (1)	-	-	-		-
Stone and rock (1)	-	-	-		-
Asphalt (1)	-	-		-	-
Other mine products	56	17	640	10,870	190
Total mine products	56	17	640	10,870	190
orest products:					
Logs, butts and bolts	100	11 -	669	7,115	70
Wood, fuel (1)	-	-	-	-	-
Pulpwood	240	11	1,622	18,323	80
Lumber, shingles and lath	123	10	1,520	14,597	120
Other forest products	63	10	775	7,423	120
Total forest products	526	10	4,586	47,458	90
anufactures and miscellaneous;					
Gasoline	234	14	1,164	16,381	70
Fuel, road and petroleum residual oils, N.O.S	195	10	1,514	15,747	80
Petroleum products refined, N.O.S	388	13	3,200	40,308	100
Chemicals	17	9	414	3,721	220
Manufactured iron and steel	45	5	1,223	5,985	130
Machinery and machines, N.O.S.	38 17	13	1,386	8,198 2,421	140
Paper and paper articles	27	9	583	5,120	190
Building materials, N.O.S.	40	5	1,705	7,817	190
Beverages	146	10	1,643	15,785	110
Food products	193	5	4,543	23,652	120
Feed, animal and poultry, N.O.S	103	8	1,468	11,725	110
Other manufactures and miscellaneous	505	4	23,240	85,439	170
Total manufactures and miscellaneous	1,948	6	42,274	242,299	120
.O.S. general freight:	223	5	6,982	33,366	150

⁽¹⁾ The sample did not provide sufficient number of trips to produce reliable statistics for these commodities.

APPENDIX I

For purposes of comparison individual commodities or commodity groups listed in this report are shown below along with the equivalent Railway Freight Commodity Statistics Classification numbers. This is a combination of the commodities listed in both the for hire and private intercity tables.

Railway commodity class numbers

Commodities

		Agricultural products
	1-13	Grain
	15-23	Mill products
	49-73	Fruit
	77-95	Vegetables
Balance of	1-199	Other agricultural products
		Animals and animal products
	201-213, 223	Live animals and poultry
	215-219, 225	Meats and dressed poultry
	227-233	Dairy products
Balance of	201-299	Other animals and animal products
		Mine products
	301-305	Coal
	327	Gravel and sand, N.O.S.
	329	Stone and rock
	339	Asphalt
Balance of	301-399	Other mine products
		Forest products
	401	Logs, butts and bolts
	405	Wood, fuel
	409	Pulpwood
	411	Lumber, shingles and lath
Balance of	401-499	Other forest products
		Manufactures and miscellaneous
	501	Gasoline
	503	Fuel, road and petroleum residual oils, N.O.S.
	505-507	Petroleum products refined, N.O.S.
	527-533	Chemicals
	583	Manufactured iron and steel
	595	Machinery and machines, N.O.S.
	613	Automobiles, passenger
	623	Vehicle parts, N.O.S.
	633-635	Cement
	637	Brick, common
	639	Brick, N.O.S. and building tile
	643	Artificial stone, N.O.S.
	645	Lime, N.O.S.
	655-669	Paper and paper articles
	671-679	Building materials, N.O.S.
	745-751	Beverages
	755-765	Food products
	773	Feed, animal and poultry, N.O.S.
Balance of	501-799	Other manufactured products
	(none)	N.O.S. general freight

MOTOR TRANSPORT

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