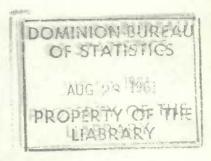
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QUARTERLY



# MOTOR TRANSPORT TRAFFIC

## NATIONAL ESTIMATES

### SECOND QUARTER, 1960



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

### DOMINION BUREAU OF STATISTICS

Public Finance and Transportation Division

Transportation Section

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#### MOTOR TRANSPORT TRAFFIC - NATIONAL ESTIMATES

#### SECOND QUARTER, 1960

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 intercity 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 second quarter of 1960, for hire trucks carried an estimated 33,332,000 tons of goods compared with 25,465,000 tons in the first quarter, an increase of 31 per cent. The average weight carried per truck remained at 10 tons but the average distance per ton dropped to 70 miles from 80 miles for the previous quarter. The net ton miles for these vehicles increased 7 per cent to 2,273,-548,000 from 2,129,287,000. The revenue received for the transportation of goods rose 15 per cent to \$154,360,000 from \$134,570,000 and the revenue per ton mile increased to 6.8 cents from 6.3 cents.

For trips over 50 miles manufactures and miscellaneous products accounted for 57 per cent of the weight of goods carried, 53 per cent of the net ton miles performed and 56 per cent of the revenue of these for hire trucks.

#### Private Intercity Trucks

The private intercity vehicles, in the second quarter of 1960, carried an estimated 27,244,000 tons of goods compared with 17,267,000 in the first quarter, an increase of 58 per cent. The average weight of goods carried per truck remained at 4 tons but the average distance per ton declined to approximately 30 miles from 40 miles in the previous quarter. The net ton miles for these vehicles increased 7 per cent to 738,114,000 from 692,713,000.

For trips over 50 miles, manufactures and miscellaneous products accounted for 67 per cent of both the weight of goods carried and the net ton miles performed by these private intercity trucks.

TABLE 1. Total For Hire Truck Traffic

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 tona	tons	'000	000	miles	\$'000	É
gricultural products:							
Grain	139	11	980	11,061	80	484	4.4
Mill products(1)			-	- 160	-	- / 22	-
Fruit	26 20	12	802 963	9,469 9,587	360 470	431 333	4.6
Other agricultural products	260	14	3,825	51,787	200	1,472	2.8
Total agricultural products	445	12	6,570	81,904	180	2,720	3.3
nimals and snimal products:			i im-				
Live animals and poultry	145	8	3,003	22,665	160	1,269	5,6
Meats and dressed poultry	168	13	14,712	184,230	1,100	5,510	3.0
Dairy products	1,298	3	18,172	59,247	50	7,260	12.3
Other animals and animal products	298	7	5,568	39,221	130	2,997	7.6
Total animals and animal products	1,909	7	41,455	305,363	160	17,036	5.6
ine products:							
	600	13	522	6 350	10	260	6.3
Gravel and sand, N.O.S.	9,222	9	532 8,515	6,750 80,506	10	360 5,544	5.3
Stone and rock	1,661	11	2,111	23, 195	10	1,362	5.9
Asphalt	565	15	1,435	20,986	40	1,104	5.3
Other mine products	4,671	10	4,298	42,469	10	2,960	7.0
Total mine products	16,799	10	16,891	173,906	10	11,330	6.5
orest products:							-
Logs, butts and bolts(1)		-	-		-	-	-
Lumber, shingles and lath	423	12	2,307	27,722	70	1,700	6.1
Other forest products	396	10	1,651	15,835	40	1,122	7.1
Total forest products	819	11	3,958	43,557	50	2,822	6.5
anufactures and miscellaneous:	1						
Gasoline	388	13	2,844	36,568	90	1,974	5.4
Fuel, road and petroleum residual oils, N.O.S.	385	14	2,019	27,631	70	1,406	5.1
Petroleum products, refined, N.O.S	642	14	4,373	59,316		3,010	5.1
Chemicals	214	16	2,133	35,167	160	1,701	4.8
Machinery and machines, N.O.S.	385 250	13	2,202 1,957	29,666	80	2,143 1,826	7.2
Automobiles, passenger	215	8	13,877	108,611	500	7,474	6.9
Vehicle parts, N.O.S	80	12	1,338	15,665	200	1,284	8.2
Cement	803	17	2,044	35,126	40	2,217	6.3
Brick, Common(1)		-	-	-	-	-	-
Artificial stone, N.O.S.	210	10	464	4,533	20	423	9.3
Lime, N.O.S.(1)	-	-	-	-	-	-	-
Paper and paper articles	434	8	5,442	42,707	100	3,319	7.8
Building materials, N.O.S	382	13	1,811	22,759	60	1,210	5.3
Beverages Food products	342 600	14	2,166 8,027	30,796 87,729	90 150	1,479 5,217	4.8
Feed, animal and poultry, N.O.S.	187	11	1,661	18,647	100	853	4,6
Other manufactures and miscellaneous	3,664	9	56,421	535,448	150	39,940	7.5
Total manufactures and miscellaneous	9,181	10	108,779	1,110,453	120	75,476	6.8
.o.s. general freight:	4,179	10	58,206	558,365	130	44,976	8.1
		10	225 250		20		
GRAND TOTAL	33,332	10	235,859	2,273,548	70	154,360	6.8

<sup>(1)</sup> 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

	carried	carried	travelled with load	miles	distance per ton	Revenue	per ton mile
	'000 tons	tons	'000	1000	miles	\$'000	¢
gricultural products:							
Grain	86	6	238	1,325	20	191	14.4
Mill products(1)	-	-	-	-	-	-	-
Fruit(1)	-	-				-	
Other agricultural products		6	189	1,198	10	130	10.8
		,	107		10	202	
Total agricultural products	241	6	427	2,523	10	321	12.7
nimals and animal products:							
live animals and noultry	34	3	370	986	30	190	19.2
Live animals and poultry Meats and dressed poultry(1)		-	-	700	-	190	1,7,2
Dairy products	1,121	3	16,026	41,332	40	5,904	14.3
Other animals and animal products	128	3	1,045	3,254	30	888	27.3
Total animals and animal products	1,283	3	17,441	45,572	40	6,982	15.3
ine products:							
Coal	680	13	532	6,750	10	360	5,3
Gravel and sand, N.O.S.		9	8,515	80,506	10	5,544	6.9
Stone and rock	1,661	11	2,111	23,195	10	1,362	5.9
Asphalt	451	11	500	5,707	10	407	7.1
Other mine products	4,593	9	3,349	29,133	10	2,417	8.3
Total mine products	16,607	10	15,007	145,291	10	10,090	5.9
orest products:							
Logs, butts and bolts(1)	_		_	-	_	-	_
Lumber, shingles and lath	340	8	646	5,301	20	602	11.4
Other forest products	277	8	626	4,990	20	605	12.1
Total forest products	617	8	1,272	10,291	20	1,207	11.7
anufactures and miscellaneous:							
Marge State and Amban State and					-		
Gasoline	168	7	415	2,812	20	510	18,2
Fuel, road and petroleum residual oils, N.O.S. Petroleum products, refined, N.O.S.	271 340	11	685 903	7,803 6,818	30 20	613	7.0
Chemicals	41	13	89	1,131	30	221	19.5
Manufactured iron and steel	279	14	344	4,859	20	926	19.0
Machinery and machines, N.O.S	153	8	247	1,976	10	462	23.4
Automobiles, passenger(1)		-	_	-	-	-	-
Vehicle parts, N.O.S.(1)		-	-	-	-	-	-
Cement	615	14	431	6,173	10	923	15.0
Brick, Common(1)		-	-				*
Artificial stone, N.O.S.	210	10	464	4,533	20	423	9,3
Lime, N.O.S.(1)	-	-	-	-	-	-	-
Paper and paper articles		2	1,875	4,647	30	984	21.2
Building materials, N.O.S	241	9	534	4,649	20	437	9.4
Beverages	183	10	193	1,903	10	341	17.9
Feed, animal and poultry, N.O.S.	333 105	6	1,870	7,293	20	1,420	19.5
Other manufactures and miscellaneous	2,180	4	11,723	2,668 45,468	30 20	391	14.6
Total manufactures and miscellaneous		5	20,221	102,733	20	20,598	20.0
.O.S. general freight:	2,476	4	13,535	52,573	20	17,762	33.8
GRAND TOTAL	26,528	5	67,903	358,983	10	56,960	15,9

<sup>(1)</sup> 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	#
gricultural products:						1	
Grain	53	13	742	9,736	180	293	3.0
Mill products(1)	26	12	802	9,469	360	431	4.6
FruitVegetables	26 20	10	963	9,409	470	333	3.5
Other agricultural products	105	14	3,636	50,589	480	1,342	2.7
Total agricultural products	204	13	6,143	79,381	390	2,399	3.0
nimals and animal products:							
Live animals and poultry	111	8	2,633	21,679	200	1,079	5.0
Meats and dressed poultry	168 177	13	14,712	184,230	1,100	5,510	3.0
Other animals and animal products	170	8	4,523	35,967	210	2,109	5.9
Total animals and animal products	626	11	24,014	259,791	420	10,054	3.9
ine products:							
Coal(1)	-	-		-		-	-
Gravel and sand, N.O.S.(1)	-	-	100	-	- 1		-
Stone and rock(1)	114	16	935	15,279	140	697	4.6
AsphaltOther mine products	78	14	949	13,336	170	543	4.1
Total mine products	192	15	1,884	28,615	150	1,240	4.3
orest products:							
Logs, butts and bolts(1)							
Lumber, shingles and lath	83	14	1,661	22,421	270	1,098	4.9
Other forest products	119	11	1,025	10,845	90	517	4.8
Total forest products	202	12	2,686	33,266	160	1,615	4.9
anufactures and miscellaneous:							
Consider	220	14	2,429	33,756	150	1,464	4.3
Gasoline	114	15	1,334	19,828	170	859	4.3
Petroleum products, refined, N.O.S	302	15	3,470	52,498	170	2,397	4.6
Chemicals	173	17	2,044	34,036	200	1,480	4.3
Manufactured iron and steel	106	13	1,858	24,807	230	1,217	4.9
Machinery and machines, N.O.S	97 215	11	1,710	18,108	190 500	1,364	7.5
Vehicle parts, N.O.S.	80	12	1,338	15,665	200	1,284	8.2
Cement	188	18	1,613	28,953	150	1,294	4.5
Brick, common(1)	-	-	-	-	-	-	-
Brick, N.O.S. and building tile(1)	-	-	-	_			-
Artificial stone, N.O.S.(1)		-			_		
Paper and paper articles	249	11	3,567	38,060	150	2,335	6.1
Building materials, N.O.S.	141	14	1,277	18,110	130	773	4.3
Beverages	159	15	1,973	28,893	180	1,138	3.9
Food products	267	13	6,157	80,436	300	3,797	4.7
Feed, animal and poultry, N.O.S Other manufactures and miscellaneous	1,484	13	1,213	15,979	190 330	27,540	2.9
Total manufactures and miscellaneous	3,877	11	88,558	1,007,720	260	54,878	5.4
1.0 C general freights	1 703	11	44,671	505,792	300	27,214	5.4
N.O.S. general freight:	1,703					-	
GRAND TOTAL	6,804	11	167,956	1,914,565	280	97,400	5.1

<sup>(1)</sup> 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 distance per ton
	'000 tons	tons	000	1000	miles
gricultural products:					
	0.1		074		
Grain	84	5	374	1,840	20
Fruit(1)		-	-		
Vegetables	51	14	820	11,094	220
Other agricultural products	270	5	3,545	18,820	70
Total agricultural products	405	7	4,739	31,754	80
nimals and animal products:					
minats and animal products.					
Live animals and poultry	64	3	895	2,643	40
Meats and dressed poultry	57 772	1 3	2,736 15,494	4,022 39,929	70 50
Other animals and animal products	220	3	4,921	15,101	70
Total animals and animal products	1,113	3	24,046	61,695	60
fine products:					
	191	9	380	2 250	20
Gravel and sand, N.O.S.	8,472	7	8,923	3,359 63,329	10
Stone and rock	2,172	9	2,386	22,229	10
Asphalt	616	8	656	5,178	10
Other mine products	2,359	9	2,975	27,220	10
Total mine products	13,810	8	15,320	121,315	10
Porest products:		171100			
Your histor and halter	814	11	1,173	13,117	20
Logs, butts and bolts	110	5	481	2,320	20
Pulpwood	188	8	532	4,332	20
Lumber, shingles and lath	450	7	3,952	29,223	70
Other forest products	436	8	2,462	19,419	50
Total forest products	1,998	8	8,600	68,411	30
ianufactures and miscellaneous:					
Gasoline	1,655	9	5,654	50,712	30
Fuel, road and petroleum residual oils, N.O.S.	536	8	2,789	21,592	40 30
Petroleum products refined, N.O.S	1,301		6,957	40,892	30
Manufactured iron and steel	157	В	1,329	9,997	60
Machinery and machines, N.O.S	228	4	4,436	15,917	70
Cement	926	13	1,523	19,711	20
Paper and paper articles(1)	394	3	4,259	12,332	30
Building materials, N.O.S.	610	5	6,370	30,819	50
Food products	662	2	19,364	47,814	70
Feed, animal and poultry, N.O.S	340	5	2,119	11,471	30
Other manufactures and miscellaneous	2,112	3	58,701	151,436	70
Total manufactures and miscellaneous	8,921	4	113,501	412,693	50
.O.S. general freight:	007	7	1/2 295	1,2 21.6	40
I.O.S. general freight:	997 27,244	3	14,285	42,246 738,114	30

<sup>(1)</sup> 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	'000	'000	miles
gricultural products:					
Grain	84	5	374	1,840	20
Mill products(1)		-	-	-	-
Fruit(1)	-	-	-	-	-
Vegetables	20	3	145 1,070	569	30 20
Other agricultural products	126	3	1,070	2,990	20
Total agricultural products	230	3	1,589	5,399	20
nimals and animal products:					
	44	2	464	1,065	20
Live animals and poultry	30	1	1,371	806	30
Dairy products	609	2	12,420	23,706	40
Other animals and animal products	114	1	2,402	2,806	20
Total animals and animal products	797	2	16,657	28,383	40
line products:					
Coal	191	9	380	3,359	20
Gravel and sand, N.O.S	8,472	7	8,923	63,329	10
Stone and rock	2,172	9 8	2,386 656	22,229	10
Asphalt Other mine products	2,300	8	2,333	5,178	10
Total mine products	13,751	В	14,678	113,414	10
orest products:					
Logs, butts and bolts	814	11	1,173	13,117	20
Wood, fuel	110	5	481	2,320	20
Pulpwood	188	8	532	4,332	20
Lumber, shingles and lath	278 303	8 4	972 1,031	7;624 4,204	30 10
Total forest products	1,693	8	4,189	31,597	20
ianufactures and miscellaneous:					
Gasoline	1,396	7	3,681	27,110	20
Fuel, road and petroleum residual oils, N.O.S	445	6	1,792	11,033	30
Petroleum products refined, N.O.S	1,138	4	4,880	21,023	20
Chemicals(1)	79	4	475	1,846	20
Machinery and machines, N.O.S.	154	2	2,215	4,730	30
Cement	841	10	787	7,862	10
Paper and paper articles (1)	220	-	2 000	5 (00	- 20
Building materials, N.O.S.	338 437	2 4	3,269 4,298	5,628 16,704	20 40
BeveragesFood products	377	1	13,833	11,955	30
Feed, animal and poultry, N.O.S.	254	4	1,219	4,858	20
Other manufactures and miscellaneous	1,336	1	28,300	35,493	30
Total manufactures and miscellaneous	6,795	2	64,749	148,242	20
				-	
					1
N.O.S. general freight:	802	2	8,896	14,350	20

<sup>(1)</sup> 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 distanc per ton
	1000 tons	tons	1000	1000	miles
ricultural products:					14.11
Grain (1)					
Mill products(1)	-	-	-		-
Fruit (1)	31	16	675	10 525	240
VegetablesOther agricultural products	144	6	2,475	10,525 15,830	340 110
	126				
Total agricultural products	175	8	3,150	26,355	150
nimals and animal products:					
Live animals and poultry	20	4	431	1,578	80
Meats and dressed poultry	27	2	1,365	3,216	120
Dairy products	163	5	3,074	16,223	100
Other animals and animal products	106	5	2,519	12,295	120
Total animals and animal products	316	5	7,389	33,312	110
ne products:					
Coal(1)	-	-			
Gravel and sand, N.O.S.(1)	-	-	- 1	-	-
Stone and rock(1)		-	•	-	-
Other mine products	59	12	642	7,901	130
Total mine products	59	12	642	7,901	130
rest products:					
Yang butto and balto (1)					
Logs, butts and bolts(1)	_			•	-
Pulpwood (1)	-	-	-	-	-
Lumber, shingles and lath	172	7	2,980	21,599	130
Other forest products	133	11	1,431	15,215	110
Total forest products	305	8	4,411	36,814	120
nufactures and miscellaneous:					
Gasoline	259	12	1,973	23,602	90
Fuel, road and petroleum residual oils, N.O.S.	91	11	997	10,559	120
Petroleum products refined, N.O.S	163	10	2,077	19,869	120
Manufactured iron and steel	78	10	854	8,151	110
Machinery and machines, N.O.S	74	5	2,221	11,187	150
Paper and paper articles(1)	85	16	736	11,849	140
Building materials, N.O.S.	56	7	990	6,704	120
Beverages	173	7	2,072	14,115	80
Food products	285	6	5,531	35,859	130
Feed, animal and poultry, N.O.S	86 776	7 4	900 30,401	6,613 115,943	80
					150
Total manufactures and miscellaneous	2,126	5	48,752	264,451	120
O.S. general freight:	195	5	5,389	27,896	140

<sup>(1)</sup> 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
1-13 15-23	Agriculture' products  Grain Mill products
49-73	Fruit
77-95	Vegetables Other agricultural products
Datance of 1-177	Vener agricultural products
201-213, 223	Animals and animal products Live animals and poultry Meats and dressed poultry
227-233	Dairy products Other animals and animal products
Balance of 201-299	Other animals and animal products
301- <b>305</b>	Mine products Coal Gravel and sand, N.O.S. Stone and rock Asphalt
Balance of 301-399	Other mine products
401	Logs, butts and bolts Wood, fuel Pulpwood Lumber, shingles and lath Other forest products
	Manufactures and miscellaneous
501	Gasoline
503 505-507 527-533	Fuel, road and petroleum residual oils, N.O.S. Petroleum products refined, N.O.S. Chemicals
583 595 613	Manufactured iron and steel Machinery and machines, N.O.S. Automobiles, passenger Vehicle parts, N.O.S.
623	Cement Brick, common Brick, N.O.S. and building tile
643	Artificial stone, N.O.S.
645	Lime, N.O.S. Paper and paper articles Building materials, N.O.S. Beverages Food products Feed, animal and poultry, N.O.S. Other manufactured products

N.O.S. general freight

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