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INTERNATIONAL TOLL BRIDGES, TUNNELS AND FERRIES

1963

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. figures not available.

- nil or zero.

INTERNATIONAL TOLL BRIDGES, TUNNELS AND FERRIES

1963

This report contains statistics of eleven bridges, one tunnel and eight ferries functioning as toll facilities for vehicles and pedestrians between Canada and the United States. Statistics of facilities used exclusively by railways, as well as those on which tolls are not charged, have been excluded. Data of firms engaged primarily in other activities and unable to provide separate information for this report are also omitted.

It should be noted that only the traffic statistics are presented for the operations of Washington State Ferries and Black Ball Transport Incorporated, as these firms cannot provide separate financial data for their international services. Therefore, while the traffic data for all twenty facilities are included it has been possible to provide financial data for only eighteen firms.

The decrease reflected in the operations of ferry services is due primarily to the termination of the International Transit Company's ferry service between Sault Ste. Marie, Ontario and Sault Ste. Marie, Michigan in October, 1962.

The following table provides a concise statistical summary of the highlights of this report.

	1962	1963
Number of facilities	19	20
Investment \$	88,230,994	89,417,146
Operating revenues \$	11,476,281	12,414,437
Operating expenses \$	5,855,761	5,975,376
Net operating revenue .. \$	5,620,520	6,439,061
Net income \$	3,831,192	3,403,612
Employees No.	673	666
Salaries and wages \$	2,638,924	2,665,544
Traffic ¹		
Motor vehicles No.	18,324,838	19,344,625
Passengers other than drivers "	27,817,555	27,021,633
Pedestrians "	744,713	799,556

¹ Represents 20 facilities.

TABLE 1. Summary of Investment and Capital, 1939, 1945, 1949, 1956-63

Year	Investment ¹	Capital stock	Funded debt	Total capital
dollars				
Ferry companies ²				
1939	1,352,939	294,500	418,720	713,220
1945	966,979	197,500	207,243	404,743
1949	1,392,735	362,500	215,000	577,500
1956	1,766,492	404,250	84,700	488,950
1957	1,793,175	404,250	69,500	473,750
1958	1,414,554	311,750	171,191	482,941
1959	1,414,762	311,750	108,984	420,734
1960	917,337	101,500	107,265	208,765
1961	876,508	150,101	113,265	263,366
1962	846,061	150,150	—	150,150
1963	272,724	—	—	—
Bridge and tunnel companies ³				
1939	32,927,718	1,581,300 ⁴	31,117,550	32,698,850 ⁴
1945	22,536,457 ⁵	5,070,328	13,775,000	18,845,328
1949	26,162,698	4,331,079	10,583,000	14,914,079
1956	34,594,436	4,977,932	3,696,000	8,673,363
1957	35,345,823	4,864,616	3,142,000	8,006,016
1958	38,466,321	5,169,108	4,486,000	9,635,108
1959	40,136,095 ⁶	4,699,384	6,615,000 ⁶	11,314,384 ⁶
1960	58,472,372 ⁷	4,699,984	23,592,000 ⁷	28,291,984 ⁷
1961	61,487,079	4,700,428	23,432,000	28,132,428
1962	87,384,933 ⁸	4,702,884	39,609,000 ⁸	44,311,884 ⁸
1963	89,144,422	4,661,240	39,602,000	44,263,240
Bridge, tunnel and ferry companies ²				
1939	34,280,657	1,875,800 ⁴	31,536,270	33,412,070 ⁴
1945	23,503,436 ⁵	5,267,828	13,982,243	19,250,071
1949	27,555,433	4,693,579	10,798,000	15,491,579
1956	36,360,928	5,382,182	3,780,700	9,162,882
1957	37,138,998	5,268,868	3,211,500	8,480,366
1958	37,880,875	5,460,858	4,637,191	10,118,049
1959	41,550,857 ⁶	5,011,134	6,723,984 ⁶	11,735,118 ⁶
1960	59,389,709 ⁷	4,801,484	23,699,265 ⁷	28,500,749 ⁷
1961	62,363,587	4,850,529	23,545,265	28,395,794
1962	88,230,994 ⁸	4,853,034	39,609,000 ⁸	44,462,034 ⁸
1963	89,417,146	4,681,240	39,602,000	44,263,240

¹ Gross investment before depreciation.² Decrease in investment and capital stock due to cessation of operations by the International Transit Co. Ltd. Sault Ste. Marie.³ The funded debt of the Niagara Lower Arch Bridge Co. (which formerly operated the Whirlpool Rapids Bridge) and the capital stock, the funded debt and investment of the International Bridge and Terminal Co. excluded prior to 1959. The capital stock and investment of the Lewiston-Queenston Bridge excluded in 1945 and 1949.⁴ Capital stock of Detroit and Canada Tunnel Corporation not reported in 1939.⁵ Decrease due to revaluation of Detroit International Bridge Co. in 1940.⁶ Increase in investment and funded debt due mainly to Niagara Falls Bridge Commission acquiring the Whirlpool Rapids and the Lewiston-Queenston bridges.⁷ Increase in investment due mainly to addition of Prescott-Ogdensburg bridge and in the funded debt due to retirement and new issue of bonds for Rainbow Bridge.⁸ Increase in investment and funded debt due to addition of Sault Ste. Marie International Bridge.

INTERNATIONAL TOLL BRIDGES, TUNNELS AND FERRIES

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TABLE 2. Summary of Revenues and Expenses, 1939, 1945, 1949, 1956-63

Year	Operating revenues		Operating expenses		Net operating revenues		Net income	
	dollars				Ferry companies			
1939	455,313		451,421		3,892		Dr.	14,547
1945	518,612		407,949		110,663			76,093
1949	747,027		651,160		95,867			76,503
1956	1,160,362		839,737		320,625			196,564
1957	1,016,793		705,849		310,944			200,972
1958	966,747		586,592		380,155			227,787
1959	952,461		631,676		320,785			167,805
1960	699,575		440,698		258,877			230,955
1961	733,094		445,475		287,619			297,875
1962	647,416		414,118		233,298			251,080
1963	114,674		87,666		27,008			27,008
Bridge and tunnel companies								
1939	2,611,931		1,430,878		1,181,053		Dr.	451,789
1945	4,009,151		1,423,783		2,585,388			1,340,240
1949	5,838,637		2,110,494		3,728,143			2,350,912
1956	8,435,997		3,484,937		4,951,060			3,092,536
1957	9,030,586		3,539,642		5,490,944			3,365,725
1958	9,210,222		3,949,219		5,261,003			3,152,271
1959	9,810,162		3,861,369		5,948,793			3,556,721
1960	10,541,154		5,075,331		5,465,823			3,596,050
1961	10,876,709		5,465,770		5,410,939			3,552,549
1962	10,828,865		5,441,643		5,387,222			3,580,132
1963	12,299,783		5,887,710		6,412,053			3,376,604
Bridge, tunnel and ferry companies								
1939	3,067,244		1,682,299		1,184,945		Dr.	468,336
1945	4,527,763		1,831,712		2,696,051			1,416,333
1949	6,585,664		2,761,654		3,824,010			2,427,415
1956	9,596,359		4,324,674		5,271,685			3,289,100
1957	10,047,379		4,245,491		5,601,888			3,566,697
1958	10,176,969		4,535,811		5,641,158			3,380,058
1959	10,762,623		4,493,045		6,269,578			3,724,526
1960	11,240,729		5,516,029		5,724,700			3,827,005
1961	11,609,803		5,911,245		5,698,558			3,850,224
1962	11,476,281		5,855,761		5,620,520			3,831,192
1963	12,414,437		5,975,376		6,439,061			3,403,612

TABLE 3. Investment,¹ 1939, 1945, 1949, 1956-63

Year	Bridge, tunnel and ferry companies							
	Bridges and tunnels	Vessels	Docks and approaches	Offices and equipment	Other property	Total investments	Depreciation reserved accrued to December 31 1963 ²	Value at December 31
dollars								
1939	28,869,399	1,535,038	245,002	147,389	3,483,839	34,280,657
1945	18,302,903	936,406	184,497	233,967	3,845,663	23,503,436
1949	19,564,256	669,592	228,940	506,922	6,585,723	27,555,433		
1956	27,538,806	998,709	286,158	1,052,434	6,484,821	36,360,928	8,564,009	29,796,919
1957	27,667,407	1,012,915	301,238	1,272,695	6,884,743	37,138,998	6,751,958	30,387,040
1958	28,613,037	961,155	280,268	1,109,959	6,916,456	37,880,875	7,057,851	30,823,024
1959	33,062,111	959,108	264,734	891,867	8,373,037	41,550,857	6,391,042	35,159,815
1960	51,325,286	629,695	152,239	420,088	6,862,401	59,389,769	4,403,895	54,985,814
1961	52,913,625	640,649	170,728	1,988,219	6,650,366	62,363,587	4,826,248	57,537,339
1962	77,773,167	585,216	192,571	2,171,023	7,509,015	88,230,994	5,221,415	83,009,579
1963	79,130,249	187,249	127,730	2,439,800	7,532,118	89,417,146	5,110,404	84,306,742

¹ Excludes investment of bridge of the International Bridge and Terminal Company prior to 1959. Investment of Lewiston-Queenston Bridge excluded for 1945 and 1949 only.² Certain bridge companies do not depreciate their capital facilities.

DOMINION BUREAU OF STATISTICS

TABLE 4. Summary of Employees, Salaries and Wages, 1939, 1945, 1949, 1956-63

Year	Ferry companies			Bridge and tunnel companies			Bridge, tunnel and ferry companies		
	Full-time employees	Part-time employees	Salaries	Full-time employees	Part-time employees	Salaries	Full-time employees	Part-time employees	Salaries
	No.	No.	\$	No.	No.	\$	No.	No.	\$
1939	237 ¹	223, 958		329 ¹	506, 947		566 ¹		730, 905
1945	234 ¹	219, 064		303 ¹	657, 000		537 ¹		876, 064
1949	240 ¹	339, 630		346 ¹	1, 036, 132		586 ¹		1, 375, 762
1956	107	100	454, 805	433	99	1, 838, 433	540	199	2, 293, 238
1957	106	27	378, 958	449	118	1, 919, 096	555	145	2, 298, 054
1958	84	25	364, 775	482	72	2, 082, 706	566	97	2, 447, 481
1959	85	25	385, 945	477	92	2, 145, 912	562	117	2, 531, 857
1960	68	6	258, 398	461	148	2, 254, 967	529	154	2, 513, 365
1961	54	12	289, 135	473	121	2, 409, 953	527	133	2, 699, 088
1962	52	14	311, 663	451	156	2, 327, 261	503	170	2, 638, 924
1963	12	5	30, 073	469	180	2, 635, 471	481	185	2, 665, 544

¹ No breakdown available for 1939-49.

TABLE 5. Revenues, 1939, 1945, 1949, 1956-63

Year	Motor vehicles	Pedestrians and passengers	Other transportation	Total transportation	Other than transportation	Total revenue
Ferry companies						
1939	180, 429	222, 276	42, 681	445, 386	9, 927	455, 313
1945	117, 692	317, 030	13, 954	448, 676	69, 936	518, 613
1949	250, 786	397, 962	11, 434	660, 182	86, 845	747, 027
1956	632, 299	450, 177	988	1, 083, 464	76, 898	1, 160, 363
1957	654, 265	275, 751	974	930, 990	85, 803	1, 016, 793
1958	683, 209	275, 259	736	959, 204	7, 543	966, 747
1959	678, 833	264, 751	869	944, 453	8, 008	952, 461
1960	474, 145	224, 683	411	699, 239	336	699, 575
1961	507, 086	225, 020	613	732, 719	375	733, 094
1962	441, 035	197, 151	—	638, 186	9, 230	647, 416
1963	77, 189	30, 812	5, 731	113, 732	942	114, 674
Bridge and tunnel companies						
1939	2, 072, 787	412, 905	97, 850	2, 583, 542	28, 389	2, 611, 931
1945	2, 823, 966	999, 239	125, 556	3, 948, 761	60, 390	4, 009, 151
1949	4, 699, 978	854, 555	192, 871	5, 747, 404	91, 233	5, 838, 637
1956	7, 344, 874	753, 276	229, 367	8, 327, 517	108, 480	8, 435, 997
1957	7, 810, 397	885, 358	236, 953	8, 932, 708	97, 878	9, 030, 586
1958	7, 979, 901	1, 032, 620	84, 721	9, 097, 242	112, 980	9, 210, 222
1959	8, 528, 029	1, 000, 788	189, 337	9, 718, 154	92, 008	9, 810, 162
1960	9, 310, 378	993, 029	121, 488	10, 424, 895	116, 259	10, 541, 154
1961	9, 250, 050	1, 317, 026	124, 650	10, 691, 726	184, 983	10, 876, 709
1962	9, 242, 745	1, 303, 484	108, 461	10, 654, 690	174, 175	10, 828, 865
1963	10, 591, 949	1, 360, 763	106, 230	12, 058, 942	240, 819	12, 299, 761
Bridge, tunnel and ferry companies						
1939	2, 253, 216	635, 181	140, 531	3, 028, 928	38, 316	3, 067, 244
1945	2, 941, 658	1, 316, 269	139, 510	4, 397, 437	130, 326	4, 527, 763
1949	4, 950, 764	1, 252, 517	204, 305	6, 407, 586	178, 078	6, 585, 664
1956	7, 977, 173	1, 203, 453	230, 355	9, 410, 981	185, 378	9, 596, 359
1957	8, 464, 662	1, 161, 109	237, 927	9, 863, 698	183, 681	10, 047, 379
1958	8, 663, 110	1, 307, 879	85, 457	10, 056, 446	120, 523	10, 176, 969
1959	9, 206, 862	1, 265, 539	190, 206	10, 662, 607	100, 016	10, 762, 623
1960	9, 784, 523	1, 217, 712	121, 899	11, 124, 134	116, 595	11, 240, 723
1961	9, 757, 136	1, 542, 046	125, 263	11, 424, 445	185, 358	11, 609, 803
1962	9, 683, 780	1, 500, 635	108, 461	11, 292, 876	183, 405	11, 476, 281
1963	10, 669, 138	1, 391, 575	111, 961	12, 172, 674	241, 761	12, 414, 436

TABLE 6. Operating Expenses, 1939, 1945, 1949, 1956-63

Year	Total main- tenance	Operation			Total traffic	Total general ³	Grand total				
		Operation of vessels, bridges and tunnels ¹	Other operating expenses ²	Total operating expenses							
dollars											
Ferry companies											
1939	102,758	156,482	104,722	261,204	21,806	65,853	451,421				
1945	102,771	135,205	82,090	197,295	22,801	85,082	407,949				
1949	168,111	229,871	109,839	339,510	25,899	117,640	651,160				
1956	286,771	308,667	91,251	399,918	42,886	110,162	839,737				
1957	92,950	254,421	208,783	463,204	41,929	107,766	705,849				
1958	98,679	254,284	114,249	368,533	48,528	70,852	586,592				
1959	115,883	265,334	132,893	398,027	48,834	70,932	631,876				
1960	75,882	223,277	94,221	317,498	14,026	33,312	440,698				
1961	63,944	259,963	65,854	325,817	13,544	42,170	445,475				
1962	27,724	276,945	69,542	346,487	2,050	37,857	414,118				
1963	15,811	30,073	31,338	77,022	666	9,976	87,666				
Bridge and tunnel companies											
1939	683,653	331,920	107,608	439,528	92,370	215,327	1,430,878				
1945	530,582	446,115	114,678	560,793	84,201	248,207	1,423,763				
1949	801,160	585,128	161,645	746,773	202,821	359,740	2,110,494				
1956	1,051,236	1,297,773	204,334	1,502,107	286,251	645,343	3,484,937				
1957	639,049	1,123,811	794,510	1,918,321	320,802	661,470	3,539,642				
1958	909,737	1,289,412	567,824	1,857,236	233,651	948,595	3,949,219				
1959	858,968	1,237,739	700,279	1,938,018	192,621	871,562	3,861,369				
1960	1,119,947	1,243,983	1,890,414	3,134,397	180,729	640,258	5,075,331				
1961	1,042,267	1,319,267	2,227,855	3,547,122	156,369	720,012	5,465,770				
1962	978,058	1,311,251	2,413,602	3,724,853	187,132	571,600	5,441,643				
1963	1,157,677	1,416,660	2,482,124	5,056,461	159,364	671,885	5,867,710				
Bridge, tunnel and ferry companies											
1939	786,411	488,402	212,330	700,732	113,976	281,180	1,682,299				
1945	633,333	581,320	176,768	758,088	107,002	333,289	1,831,712				
1949	969,271	814,799	271,484	1,086,283	228,720	477,380	2,761,654				
1956	1,338,007	1,606,440	295,585	1,902,025	329,137	755,505	4,324,674				
1957	731,999	1,378,232	1,003,293	2,381,525	362,731	769,236	4,245,491				
1958	1,008,416	1,543,696	682,073	2,225,769	282,179	1,019,447	4,535,811				
1959	974,851	1,503,073	832,972	2,336,045	239,655	942,494	4,493,045				
1960	1,195,809	1,467,260	1,984,635	3,451,895	194,755	673,570	5,516,029				
1961	1,106,211	1,579,230	2,293,709	3,872,939	169,913	762,182	5,911,245				
1962	1,005,782	1,588,196	2,483,144	4,071,340	169,182	609,457	5,655,761				
1963	1,173,286	1,446,733	2,513,462	5,133,483	160,032	681,861	5,975,378				

¹ Includes operators' wages.² Includes fuel and / or power purchased for revenue equipment, insurance on property, accident and liability insurance and claims, depreciation and other unspecified operating expenses.³ Includes general administration costs and salaries of general officers and clerks.

TABLE 7. Traffic, 1939, 1945, 1949, 1956-63

Year	Motor vehicles					Other vehicles	Total vehicles	Pedestrians	Passengers other than drivers of vehicles ¹				
	Passenger	Commercial (trucks)	Buses	Motor cycles	Total								
number													
Ferry companies													
1939	561,310	34,725	29	3	596,064	3	596,064	1	2,442,326				
1945	214,001	5,766	6	3	219,773	3	219,773	1	2,162,633				
1949	380,359	5,410	72	206	386,049	82	386,131	1	2,591,670				
1956	630,482	9,333	45	216	640,076	35	640,111	1,104,159	1,164,562				
1957	675,327	9,221	79	156	684,783	80	684,843	882,614	1,211,488				
1958	756,066	9,096	66	174	765,402	36	765,436	800,516	1,363,315				
1959	758,486	6,697	56	216	765,455	28	765,483	773,311	1,319,946				
1960	605,409	1,681	7	10	607,107	3,634 ²	610,741	467,072	1,527,357				
1961	616,847	1,238	6	18	618,109	4,636 ²	622,745	51,052 ⁴	1,950,015				
1962	601,574	2,964	—	16	604,554	6,004 ³	610,558	52,247	1,935,313				
1963	131,128	890	1	1,171	133,190	23	133,213	101,502	204,657				

See footnotes at end of table.

TABLE 7. Traffic, 1939, 1945, 1949, 1956-63 - Concluded

Year	Motor vehicles					Other vehicles	Total vehicles	Pedestrians	Passengers other than drivers of vehicles ¹				
	Passenger	Commercial (trucks)	Buses ²	Motor cycles	Total								
number													
Bridge and tunnel companies													
1939	6,336,927	131,538	289,405	441	6,738,311	1,576	6,739,887	1	16,339,776				
1945	6,119,802	191,441	382,829	1,238	6,695,310	6,734	6,702,044	1	21,422,104				
1949	10,826,635	297,921	348,765	13,466	11,486,787	13,391	11,500,178	1	26,874,066				
1956	16,023,041	830,292	104,815	3,892	16,962,040	17,312	16,979,352	1,083,436	25,153,720				
1957	16,402,532	881,909	258,271	5,196	17,547,908	16,294	17,564,202	1,044,553	30,288,047				
1958	16,273,934	894,847	223,390	4,969	17,397,140	16,943	17,414,063	1,000,180	29,181,908				
1959	16,376,692	1,025,430	216,540	4,436	17,623,098	6,880	17,629,978	847,308	28,306,119				
1960	17,433,077	941,269	232,559	3,355	18,610,260	1,022	18,611,282	886,011	28,888,419				
1961	17,925,589	958,739	200,794	3,994	19,089,116	2,697	19,091,813	748,493	28,343,436				
1962	16,632,515	873,389	212,689	1,711	17,720,284	4,831	17,725,115	692,466	25,882,242				
1963	18,005,989	989,886	213,312	2,248	19,211,435	12,776	19,224,211	698,054	26,816,976				
Bridge, tunnel and ferry companies													
1939	6,898,237	166,263	269,434	441 ³	7,334,375	1,576 ²	7,335,951	1	18,782,102				
1945	6,333,803	197,207	382,835	1,238 ²	6,915,083	6,734 ²	6,921,817	1	23,584,737				
1949	11,206,994	303,331	348,837	13,674	11,872,836	13,473	11,886,309	1	29,465,936				
1956	16,653,523	839,625	104,860	4,108	17,602,116	17,347	17,619,463	2,187,595	26,318,282				
1957	17,077,859	891,130	258,350	5,352	18,232,691	16,354	18,249,045	1,927,167	31,499,535				
1958	17,030,000	903,943	223,456	5,143	18,162,542	16,979	18,179,521	1,800,696	30,545,223				
1959	17,135,178	1,032,127	216,596	4,652	18,388,553	6,908	18,395,461	1,620,619	29,626,065				
1960	18,038,486	942,950	232,566	3,365	19,217,367	4,656 ³	19,222,023	1,353,083	30,415,776				
1961	18,542,436	959,977	200,800	4,012	19,707,225	7,333 ²	19,714,558	799,545 ⁴	30,293,451				
1962	17,234,089	876,353	212,669	1,727	18,324,838	10,835	18,335,673	744,713 ⁴	27,817,555				
1963	18,137,117	990,776	213,313	3,419	19,344,625	12,799	19,357,424	799,556	27,021,633				

¹ No breakdown available between pedestrians and passengers for years 1939-1949—all included under "Passengers other than drivers of vehicles".

² Not reported for ferry companies.

³ Includes trucks, buses and motor-cycles for two companies.

⁴ Pedestrians for one company formerly reported separately now included with "Passengers other than drivers of vehicles".

⁵ Includes tunnel company buses.

TABLE 8. Comparative Financial Statement, 1962 and 1963

	Ferry companies		Bridge and tunnel companies		Bridge, tunnel and ferry companies	
	1962	1963	1962	1963	1962	1963
Total investment.....	846,061	272,724	87,384,933	89,144,422	88,230,994	89,417,146
Capital:						
Capital stock	150,150	—	4,702,884	4,661,240	4,853,034	4,661,240
Funded debt	—	—	39,609,000	39,602,000	39,609,000	39,602,000
Totals	150,150	—	44,311,884	44,263,240	44,462,034	44,263,240
Revenues:						
Transportation	638,186	113,732	10,654,690	12,058,942	11,292,876	12,172,674
Other	9,230	942	174,175	240,819	183,405	241,761
Totals	647,416	114,674	10,828,865	12,299,761	11,476,281	12,414,435
Expenses:						
Maintenance	27,724	15,611	978,058	1,157,677	1,005,782	1,173,288
Operation	346,487	61,411	3,724,855	3,898,784	4,071,340	3,960,195
Traffic	2,050	668	167,132	159,364	169,182	160,032
General	37,857	9,976	571,600	671,885	609,457	681,861
Totals	414,118	87,666	5,441,643	5,887,710	5,855,761	5,975,376
Net operating revenues	233,298	27,008	5,387,222	6,412,051	5,620,520	6,439,059
Additions to income	18,117	—	218,070	238,344	236,187	238,344
Gross income	251,415	27,008	5,605,292	6,650,395	5,856,707	6,677,403
Deductions from income:						
Taxes on income	355	—	1,181,631	1,398,330	1,181,886	1,398,330
Interest	—	—	311,912	14,200	311,912	14,200
Other deductions	—	—	531,617	1,861,263	531,617	1,861,263
Totals	355	—	2,025,160	3,273,793	2,025,515	3,273,793
Net income	251,060	27,008	3,580,132	3,376,602	3,831,192	3,403,610
Dividends and reserves	—	—	2,021,623	2,450,775	2,021,623	2,450,775
Balance to earned surplus	251,060	27,008	1,558,509	925,827	1,809,569	952,835

TABLE 9 A. Employees, Salaries and Wages, 1962

	Ferry companies				Bridge and tunnel companies				Bridge, tunnel and ferry companies			
	Part-time		Full-time		Part-time		Full-time		Part-time		Full-time	
	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages
		\$		\$		\$		\$		\$		\$
General officers	—	—	2	17,200	2	9,300	13	155,431	2	9,300	15	172,631
Office staff	—	—	2	9,000	6	15,611	37	162,754	6	15,611	39	171,754
Operating staff	13	18,382	48	280,581	106	70,651	256	1,240,600	119	87,033	302	1,501,181
Maintenance staff	1	1,500	2	7,000	42	52,027	140	588,687	43	53,527	142	595,687
Others	—	—	—	—	—	—	5	32,200	—	—	5	32,200
Totals	14	17,882	52	293,781	156	147,589	451	2,179,672	170	165,471	503	2,473,453

TABLE 9 B. Employees, Salaries and Wages, 1963

	Ferry companies				Bridge and tunnel companies				Bridge, tunnel and ferry companies			
	Part-time		Full-time		Part-time		Full-time		Part-time		Full-time	
	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages	No.	Salaries and wages
		\$		\$		\$		\$		\$		\$
General officers	—	—	—	—	1	7,500	15	179,919	1	7,500	15	179,919
Office staff	—	—	—	—	6	9,719	38	210,341	6	9,719	38	210,341
Operating staff	5	3,362	12	26,711	113	79,040	287	1,337,620	118	82,402	279	1,364,331
Maintenance staff	—	—	—	—	55	78,093	144	696,939	55	78,093	144	896,939
Others	—	—	—	—	5	2,000	5	34,300	5	2,000	5	34,300
Totals	5	3,362	12	26,711	180	176,352	469	2,459,119	185	179,714	481	2,485,830

TABLE 10. Comparative Summary of Accidents, 1962 and 1963

		1962		1963	
		Killed	Injured	Killed	Injured
		number			
Drivers		—	2	—	3
Passengers		—	10	—	25
Pedestrians		—	—	—	—
Employees		—	4	—	10
Others		—	3	—	1
Totals		—	19	—	39

List of Reporting Firms and their Locations

Name	Type	Location	Termini
Seaway International Bridge Corp. Ltd.	Bridge	St. Lawrence River.....	Cornwall, Ont. — Rooseveltown, N.Y.
Ogdensburg Bridge and Port Authority	Bridge	St. Lawrence River.....	Prescott, Ont. — Ogdensburg, N.Y.
Thousand Islands Bridge Authority (Ivy Lea Bridge).....	Bridge	St. Lawrence River.....	Ivy Lea, Ont. — Collins Landing, N.Y.
Horne's Ferry	Ferry	St. Lawrence River.....	Wolfe Island, Ont. — Cape Vincent, N.Y.
Pierce Marine Corporation	Ferry	Niagara River	Niagara-on-the-Lake, Ont. — Youngstown, N.Y.
Niagara Falls Bridge Commission:			
Rainbow Bridge	Bridge	Niagara River	Niagara Falls, Ont. — Niagara Falls, N.Y.
Whirlpool Rapids Bridge	Bridge	Niagara River	Niagara Falls, Ont. — Niagara Falls, N.Y.
Lewiston — Queenston Bridge.....	Bridge	Niagara River	Queenston, Ont. — Lewiston, N.Y.
Buffalo and Fort Erie Public Bridge Authority	Bridge	Niagara River	Fort Erie, Ont. — Buffalo, N.Y.
Detroit International Bridge Co. (Ambassador Bridge).....	Bridge	Detroit River	Windsor, Ont. — Detroit, Mich.
Detroit and Canada Tunnel Corporation	Tunnel	Detroit River	Windsor, Ont. — Detroit, Mich.
Walpole Island Ferry	Ferry	St. Clair River.....	Walpole Island, Ont. — Algonac, Mich.
Port Lambton Ferry Co.	Ferry	St. Clair River.....	Port Lambton, Ont. — Roberts' Landing, Mich.
Blue Water Ferry	Ferry	St. Clair River.....	Sombra, Ont. — Marine City, Mich.
Courtright — St. Clair Ferry Company	Ferry	St. Clair River.....	Courtright, Ont. — St. Clair, Mich.
Sault St. Marie International Bridge Authority of Michigan	Bridge	St. Mary's River	Sault Ste. Marie, Ont. — Sault Ste. Marie, Mich.
International Bridge & Terminal Co.	Bridge	Rainy River	Fort Frances, Ont. — International Falls, Minn.
Baudette — Rainy River International Toll Bridge Fund.....	Bridge	Rainy River	Rainy River, Ont. — Baudette, Minn.
Black Ball Transport Inc.	Ferry	Juan de Fuca Strait	Victoria, B.C. — Port Angeles, Wash.
Washington State Ferries	Ferry	Strait of Georgia	Sidney, B.C. — Anacortes, Wash.



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