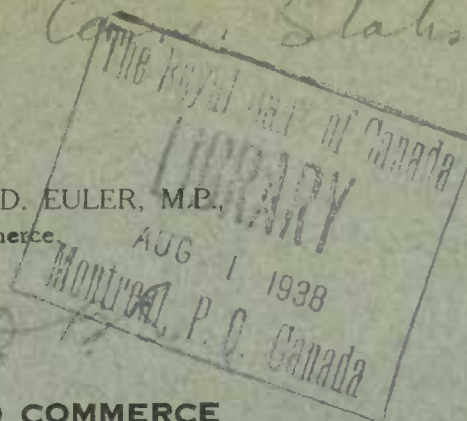


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Traffic. Comm. Statistics

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CANADA

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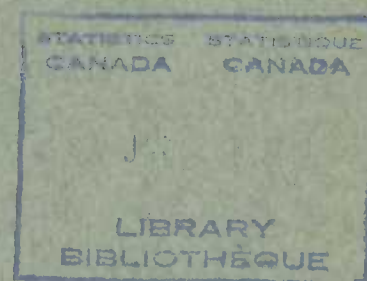
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INTERNATIONAL BRIDGE, TUNNEL

AND

FERRY COMPANIES

1937



OTTAWA  
1938

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**DOMINION BUREAU OF STATISTICS**  
**TRANSPORTATION AND PUBLIC UTILITIES BRANCH**  
**OTTAWA**

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Dominion Statistician, R.H. COATS, LL D., F.R.S.C., F.S.S. (Hon.)

Chief, Transportation and Public Utilities Branch, G.S. Wrong, B.Sc.

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INTERNATIONAL BRIDGE, TUNNEL AND FERRY COMPANIES

1937

In 1937 there were six bridge, one tunnel and nineteen ferry companies operating across the Ontario-United States boundary. Across the St. Lawrence river there were one bridge (a second is nearing completion--July, 1938) and six ferries; across the Niagara river there were four bridges, one of which was destroyed in the spring of 1938, and two ferries; across lake Erie there was one ferry; across the Detroit river there were two ferries, one bridge, and one vehicular tunnel; across the St. Clair river there were six ferries, one of which will be replaced by a bridge in 1938; across the St. Marys river there was one ferry, and across the Rainy river one ferry and one bridge. These do not include railway tunnels at Sarnia and Windsor and railway car ferries and railway bridges at several points. Ferries are not individual boats, but companies operating one or more boats for conveyance of passengers and vehicles. There are also public bridges across international rivers on the New Brunswick-United States boundary for which statistics are not included in this report.

These companies reported 7,474,049 motor vehicles, 209 horse-drawn vehicles, 2,247 bicycles, and 21,182,120 pedestrians and passengers of vehicles, exclusive of drivers, crossing to and from the United States. These figures include 179,054 company buses transporting passengers through the tunnel between Windsor and Detroit. This was an increase in traffic over 1936 of 16 per cent in vehicles and 10 per cent in pedestrians and passengers. Revenues increased by \$409,224, or 12.3 per cent, but they were still considerably below the 1930 and 1931 revenues.

These companies reported a total investment of \$32,714,580, gross revenues of \$3,738,678, operating expenses of \$2,575,083, taxes of \$480,572, interest on debentures, etc., of \$1,509,742, and other deductions from income of \$411,420, leaving a debit of \$1,168,838 which, after deducting dividends of \$227,069, left a loss of \$1,395,907.

The number of employees increased during the year from 921 to 980 and total salaries and wages increased from \$910,006 to \$1,043,558.

There was one person killed and 57 injured, as against none killed and 42 injured in 1936.

Table 1.

INVESTMENT AND CAPITAL

Year	Investment	Capital Stock	Funded Debt	Total Capital
	\$	\$	\$	\$
<u>FERRY COMPANIES</u>				
1931	5,561,310	2,869,100	694,200	3,563,300
1932	5,594,140	2,869,100	731,220	3,600,320
1933	5,681,878	2,872,290	726,689	3,598,979
1934	5,620,011	2,869,100	727,722	3,596,822
1935	4,549,161	1,769,790	539,576	2,309,366
1936	4,434,857	1,769,790	539,259	2,309,049
1937	4,530,921	(1) 1,466,600	(1) 2,295,603	3,762,203
<u>BRIDGE AND TUNNEL COMPANIES</u>				
	(2)	(2)	(2)	
1931	45,579,265	9,121,456	40,798,700	49,920,156
1932	45,204,594	9,121,456	40,478,000	49,599,456
1933	44,897,447	9,121,456	40,526,900	49,648,356
1934	44,972,817	9,147,456	41,230,000	50,377,456
1935	44,653,541	9,147,456	41,230,000	50,377,456
1936	(3) 28,410,094	(3) 1,831,300	(3) 26,789,000	28,620,300
1937	28,183,659	1,831,300	26,530,650	28,361,950
<u>BRIDGE, TUNNEL AND FERRY COMPANIES</u>				
1931	51,140,575	11,990,556	41,492,900	53,483,456
1932	50,798,734	11,990,556	41,209,220	53,199,776
1933	50,579,325	11,993,746	41,253,589	53,247,335
1934	50,592,828	12,016,556	41,957,722	53,974,278
1935	49,202,702	10,917,246	41,769,576	52,686,822
1936	32,844,951	3,601,090	27,328,259	30,929,349
1937	32,714,580	3,297,900	28,826,253	32,124,153

- (1) Changes due largely to the Michigan State Bridge Commission having acquired the properties of the Port Huron and Sarnia Ferry Company on December 31, 1936.
- (2) Excludes the capital stock, the funded debt and investments of the Falls View and Queenston-Lewiston bridges of the International Railway Company and the bridge of the International Bridge and Terminal Company.
- (3) Decrease is due to a revaluation with the reorganization of the Detroit and Canada Tunnel Company.

Table 2.

REVENUES AND EXPENSES

Year	Operating Revenues	Operating Expenses	Net Operating Revenues	Net Income
	\$	\$	\$	\$
<u>FERRY COMPANIES</u>				
1931	1,800,591	1,753,793	46,798	33,129
1932	1,347,961	1,373,819	Dr. 25,858	Dr. 39,299
1933	964,843	1,060,505	Dr. 95,662	Dr. 134,706
1934	905,317	1,041,921	Dr. 136,604	Dr. 152,784
1935	1,222,300	1,320,177	Dr. 97,877	Dr. 84,750
1936	1,302,803	1,307,570	Dr. 4,767	Dr. 7,157
1937	1,430,556	1,351,896	78,660	12
<u>BRIDGE AND TUNNEL COMPANIES</u>				
1931	2,736,818	1,619,921	1,116,897	Dr. 1,262,815
1932	1,934,987	1,336,438	598,549	Dr. 2,334,846
1933	1,485,590	1,073,816	411,774	Dr. 2,053,916
1934	1,565,512	1,098,032	467,480	Dr. 1,935,971
1935	1,696,564	1,071,983	624,581	Dr. 1,773,798
1936	2,026,651	1,136,241	890,410	Dr. 1,466,346
1937	2,308,122	1,223,187	1,084,935	Dr. 1,168,850
<u>BRIDGE, TUNNEL AND FERRY COMPANIES</u>				
1931	4,537,409	3,373,714	1,163,695	Dr. 1,229,686
1932	3,282,948	2,710,257	572,691	Dr. 2,374,145
1933	2,450,433	2,134,321	316,112	Dr. 2,188,622
1934	2,470,829	2,139,953	330,876	Dr. 2,088,755
1935	2,918,864	2,392,160	526,704	Dr. 1,858,548
1936	3,329,454	2,443,811	885,643	Dr. 1,473,503
1937	3,738,678	2,575,083	1,163,595	Dr. 1,168,838



Table 3.

INVESTMENTS

BRIDGE, TUNNEL AND FERRY COMPANIES

Year	Bridges and Tunnels	Boats	Docks and Approaches	Offices and Equipment	Other Buildings and Real Estate	Other <sup>†</sup> Investments	Total Investments
	\$	\$	\$	\$	\$	\$	\$
1931	37,969,407	2,163,430	949,549	208,086	8,939,877	910,226	51,140,575
1932	37,688,787	2,270,534	929,162	202,720	8,847,117	860,414	50,798,734
1933	37,429,261	2,288,872	922,521	311,659	8,799,165	827,847	50,579,325
1934	37,537,731	2,229,242	910,996	297,770	8,818,764	798,325	50,592,828
1935	37,297,880	2,015,517	723,952	299,736	8,720,242	145,375	49,202,702
1936	26,137,374	1,963,367	694,705	227,839	3,687,236	134,430	32,844,951
1937	25,877,447	2,203,060	596,307	204,105	3,676,557	157,104	32,714,580

† Includes investments in warehouses, parks, etc.

Table 4.

EMPLOYEES, SALARIES AND WAGES

Year	Ferry Companies		Bridge & Tunnel Companies		Bridge, Tunnel and Ferry Companies	
	Employees	Salaries and Wages	Employees	Salaries and Wages	Employees	Salaries and Wages
	No.	\$	No.	\$	No.	\$
1931	441	656,252	282	534,771	723	1,191,023
1932	406	515,663	210	336,616	616	852,279
1933	427	448,178	188	260,331	615	708,509
1934	393	438,579	205	275,349	598	713,928
1935	770	626,309	206	289,540	976	915,849
1936	707	584,862	214	325,144	921	910,006
1937	718	643,778	262	399,780	980	1,043,558

Table 5.

REVENUES

Year	Motor Vehicles	Pedestrians and Passengers	Other Trans- portation	Total Transportation	Other than Trans- portation	Total Revenue
	\$	\$	\$	\$	\$	\$
<u>FERRY COMPANIES</u>						
1931	603,858	519,406	576,363	1,699,627	100,964	1,800,591
1932	553,811	422,540	306,359	1,282,710	65,251	1,347,961
1933	473,643	378,164	87,941	939,748	25,095	964,843
1934	419,386	339,160	130,537	889,083	16,234	905,317
1935	400,600	613,905	65,705	1,080,210	142,090	1,222,300
1936	455,929	631,202	63,718	1,150,849	151,954	1,302,803
1937	525,831	667,917	57,776	1,251,524	179,032	1,430,556
<u>BRIDGE AND TUNNEL COMPANIES</u>						
1931	2,028,950	664,525	40,263	2,733,738	3,080	2,736,818
1932	1,453,602	438,653	40,033	1,932,288	2,699	1,934,987
1933	1,066,465	373,514	40,034	1,480,013	5,577	1,485,590
1934	1,103,857	384,106	67,648	1,555,611	9,901	1,565,512
1935	1,235,248	410,245	40,183	1,685,676	10,888	1,696,564
1936	1,456,473	449,876	87,166	1,993,515	33,136	2,026,651
1937	1,694,540	501,735	96,150	2,292,425	15,697	2,308,122
<u>BRIDGE, TUNNEL AND FERRY COMPANIES</u>						
1931	2,632,808	1,183,931	616,626	4,433,365	104,044	4,537,409
1932	2,007,413	861,193	346,392	3,214,998	67,950	3,282,948
1933	1,540,108	751,678	127,975	2,419,761	30,672	2,450,433
1934	1,523,243	723,266	198,184	2,444,693	26,135	2,470,828
1935	1,635,848	1,024,150	105,888	2,765,886	152,978	2,918,864
1936	1,912,402	1,081,078	150,884	3,144,364	185,090	3,329,454
1937	2,220,371	1,169,652	153,926	3,543,949	194,729	3,738,678

Table 6.

OPERATING EXPENSES

Year	MAINTENANCE			OPERATION		
	Boats, Bridges and Tunnels	Other Maintenance	Total Maintenance	Operation of Boats, Bridges and Tunnels	Other Operating Expenses	Total Operating Expenses
	\$	\$	\$	\$	\$	\$
<u>FERRY COMPANIES</u>						
1931	48,961	139,704	188,665	695,214	526,635	1,221,849
1932	43,903	140,799	184,702	524,688	384,320	909,008
1933	30,536	138,807	169,343	446,025	187,042	633,067
1934	35,120	128,153	163,273	434,898	204,863	639,761
1935	51,234	105,157	156,391	546,039	365,569	911,608
1936	41,894	110,484	152,378	548,154	322,743	870,897
1937	47,577	104,497	152,074	616,359	346,980	963,339
<u>BRIDGE AND TUNNEL COMPANIES</u>						
1931	20,726	722,535	743,261	462,094	88,157	550,251
1932	16,820	676,757	693,577	340,128	59,612	399,740
1933	17,502	655,511	673,013	162,925	57,516	220,441
1934	19,585	643,518	663,103	170,014	62,544	232,558
1935	17,863	602,210	620,073	189,801	61,374	251,175
1936	28,620	642,125	670,745	198,236	62,923	261,159
1937	53,741	590,443	644,184	267,177	123,285	390,462
<u>BRIDGE, TUNNEL AND FERRY COMPANIES</u>						
1931	69,687	862,239	931,926	1,157,308	614,792	1,772,100
1932	60,723	817,556	878,279	864,816	443,932	1,308,748
1933	48,038	784,318	842,356	610,410	243,098	853,508
1934	54,705	771,671	826,376	604,912	267,407	872,319
1935	69,097	707,367	776,464	735,840	426,943	1,162,783
1936	70,514	752,609	823,123	746,390	385,666	1,132,056
1937	101,318	694,940	796,258	883,536	470,265	1,353,801



Table 6.

OPERATING EXPENSES

TRAFFIC	GENERAL			GRAND TOTAL
	Total Traffic	Salaries of Officers and Clerks	Other General Expenses	
	\$	\$	\$	\$
<u>FERRY COMPANIES</u>				
48,626	137,337	157,317	294,654	1,753,794
46,636	114,153	119,320	233,473	1,373,819
36,415	102,202	119,478	221,680	1,060,505
34,746	107,947	96,194	204,141	1,041,921
39,135	118,822	94,221	213,043	1,320,177
42,827	125,191	116,277	241,468	1,307,570
44,458	100,222	91,803	192,025	1,351,896
<u>BRIDGE AND TUNNEL COMPANIES</u>				
131,600	109,132	85,677	194,809	1,619,921
68,418	82,774	91,929	174,703	1,336,438
51,471	65,960	62,932	128,892	1,073,817
67,813	72,608	61,950	134,558	1,098,032
54,483	81,400	64,852	146,252	1,071,983
60,545	81,267	62,525	143,792	1,136,241
67,659	88,327	32,555	120,882	1,223,187
<u>BRIDGE, TUNNEL AND FERRY COMPANIES</u>				
180,226	246,469	242,994	489,463	3,373,715
115,054	196,927	211,249	408,176	2,710,257
87,886	168,162	182,410	350,572	2,134,322
102,559	180,555	158,144	338,699	2,139,953
93,618	200,222	159,073	359,295	2,392,160
103,372	206,458	178,802	385,260	2,443,811
112,117	188,549	124,358	312,907	2,575,083

Table 7.

T R A F F I C

Year	Motor Vehicles					Bicycles	Horse- drawn Vehicles	Pedestrians & Passengers other than Drivers of Vehicles
	Passenger	Commercial (Trucks)	Buses	Motor Cycles	Total			
FERRY COMPANIES								
1931	1,705,473	46,152	24	...	1,751,649	...	103	9,304,549
1932	1,713,649	48,050	82	...	1,761,781	...	40	5,803,560
1933	1,551,677	42,704	149	...	1,594,530	...	100	5,411,601
1934	1,110,893	49,136	59	...	1,160,088	...	17	5,782,283
1935	1,117,434	55,100	50	...	1,172,584	7	8	5,847,966
1936	1,187,700	57,624	122	...	1,245,446	8	6	6,077,401
1937	1,258,996	54,505	144	...	1,313,645	...	1	6,170,872
BRIDGE AND TUNNEL COMPANIES								
1931	5,495,036	40,676	310,622	...	5,846,334	...	110	16,824,208
1932	4,240,174	37,879	238,228	...	4,516,281	...	24	11,084,096
1933	3,507,795	40,303	205,366	1,592	3,755,056	...	218	9,587,083
1934	3,759,659	49,608	211,080	168	4,020,515	1,489	52	10,913,878
1935	4,241,142	64,122	211,265	234	4,516,763	1,452	159	12,489,245
1936	4,900,817	79,466	224,258	370	5,204,911	1,581	253	13,174,514
1937	5,830,502	103,240	225,962	700	6,160,404	2,247	208	15,011,248
BRIDGE, TUNNEL AND FERRY COMPANIES								
1931	7,200,509	86,828	310,646	...	7,597,983	...	213	26,128,757
1932	5,953,823	85,929	238,310	...	6,278,062	...	64	16,887,656
1933	5,059,472	83,007	205,515	1,592	5,349,586	...	318	14,998,684
1934	4,870,552	98,744	211,139	168	5,180,603	1,489	69	16,696,161
1935	5,358,576	119,222	211,315	234	5,689,347	1,459	167	18,337,211
1936	6,088,517	137,090	224,380	370	6,450,357	1,589	259	19,251,915
1937	7,089,498	157,745	226,106	700	7,474,049	2,247	209	21,182,120

† Includes tunnel company buses.

Table 8.

FINANCIAL STATEMENT, 1937-1936

	FERRY COMPANIES		BRIDGE AND TUNNEL COMPANIES		BRIDGE, TUNNEL AND FERRY COMPANIES	
	1937	1936	1937	1936	1937	1936
	\$	\$	\$	\$	\$	\$
Investments .....	4,530,921	4,434,857	28,183,659	28,410,094	32,714,580	32,844,951
Capital Stock .....	1,466,600	1,769,790	1,831,300	1,831,300	3,297,900	3,601,090
Funded Debt .....	+ 2,295,603	539,259	26,530,650	26,789,000	28,826,253	27,328,259
Total .....	3,762,203	2,309,049	28,361,950	28,620,300	32,124,153	30,929,349
Revenues:						
Transportation .....	1,251,524	1,150,849	2,292,425	1,993,515	3,543,949	3,144,364
Other .....	179,032	151,954	15,697	33,136	194,729	185,090
Total .....	1,430,556	1,302,803	2,308,122	2,026,651	3,738,678	3,329,454
Expenses:						
Maintenance .....	152,074	152,378	644,184	670,745	796,258	823,123
Operation .....	963,339	870,897	390,462	261,159	1,353,801	1,132,056
Traffic .....	44,458	42,827	67,659	60,545	112,117	103,372
General .....	192,025	241,468	120,882	143,792	312,907	385,260
Total .....	1,351,896	1,307,570	1,223,187	1,136,241	2,575,083	2,443,811
Net Operating Revenues .....	78,660	Dr. 4,767	1,084,935	890,410	1,163,595	885,643
Additions to Income .....	54,073	44,794	15,228	15,461	69,301	60,255
Gross Income .....	132,733	40,027	1,100,163	905,871	1,232,896	945,898
Deductions from Income:						
Taxes .....	27,246	25,044	453,326	405,653	480,572	430,697
Interest .....	20,391	21,076	1,489,351	1,338,603	1,509,742	1,359,679
Other deductions .....	85,084	1,064	326,336	627,961	411,420	629,025
Total deductions .....	132,721	47,184	2,269,013	2,372,217	2,401,734	2,419,401
Net Income .....	12	Dr. 7,157	Dr. 1,168,850	Dr. 1,466,346	Dr. 1,168,838	Dr. 1,473,503
Dividends and Reserves .....	167,069	177,710	60,000	.....	227,069	177,710
Balance carried to Profit and Loss .....	167,057	Dr. 184,867	Dr. 1,228,850	Dr. 1,466,346	Dr. 1,395,907	Dr. 1,651,213

+ Changes due largely to the Michigan State Bridge Commission having acquired the properties of the Port Huron and Sarnia Ferry Company on December 31, 1936.

Table 9.

EMPLOYEES, SALARIES AND WAGES

	Ferry Companies				Bridge and Tunnel Companies				Bridge, Tunnel and Ferry Companies			
	Employees		Salaries & Wages		Employees		Salaries & Wages		Employees		Salaries & Wages	
	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936
	No.	No.	\$	\$	No.	No.	\$	\$	No.	No.	\$	\$
General Officers	33	33	115,854	121,129	18	19	63,166	58,821	51	52	179,020	179,950
Clerks	19	18	17,881	15,318	65	19	67,984	24,440	84	37	85,865	39,758
Boat, Bridge & Tunnel Crews	329	322	331,688	288,702	149	147	238,569	212,162	478	469	570,257	500,864
Warehouse & Dock	54	50	47,819	44,658	2	2	2,666	1,640	56	52	50,485	46,298
Other	283	284	130,536	115,055	28	27	27,395	28,081	311	311	157,931	143,136
Total	718	707	643,778	584,862	262	214	399,780	325,144	980	921	1,043,558	910,006



Table 10.

A C C I D E N T S

	1937	1936
	No.	No.
<u>FERRY COMPANIES</u>		
<u>Persons Injured-</u>		
Employees .....	10	8
Other persons .....	6	7
Total .....	16	15
<u>Persons Killed-</u>		
Employees .....	..	..
Other persons .....	1	..
Total .....	1	..
<u>BRIDGE AND TUNNEL COMPANIES</u>		
<u>Persons Injured-</u>		
Employees .....	20	25
Other persons .....	21	2
Total .....	41	27
<u>Persons Killed-</u>		
Employees .....	..	..
Other persons .....	..	..
Total .....	..	..
<u>BRIDGE, TUNNEL AND FERRY COMPANIES</u>		
<u>Persons Injured-</u>		
Employees .....	30	33
Other persons .....	27	9
Total .....	57	42
<u>Persons Killed-</u>		
Employees .....	..	..
Other persons .....	1	..
Total .....	1	..

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1937

Canada, D. B. S.

D

International bridge, ferry &  
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