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CONSTRUCTION IN CANADA

1955 - 1957

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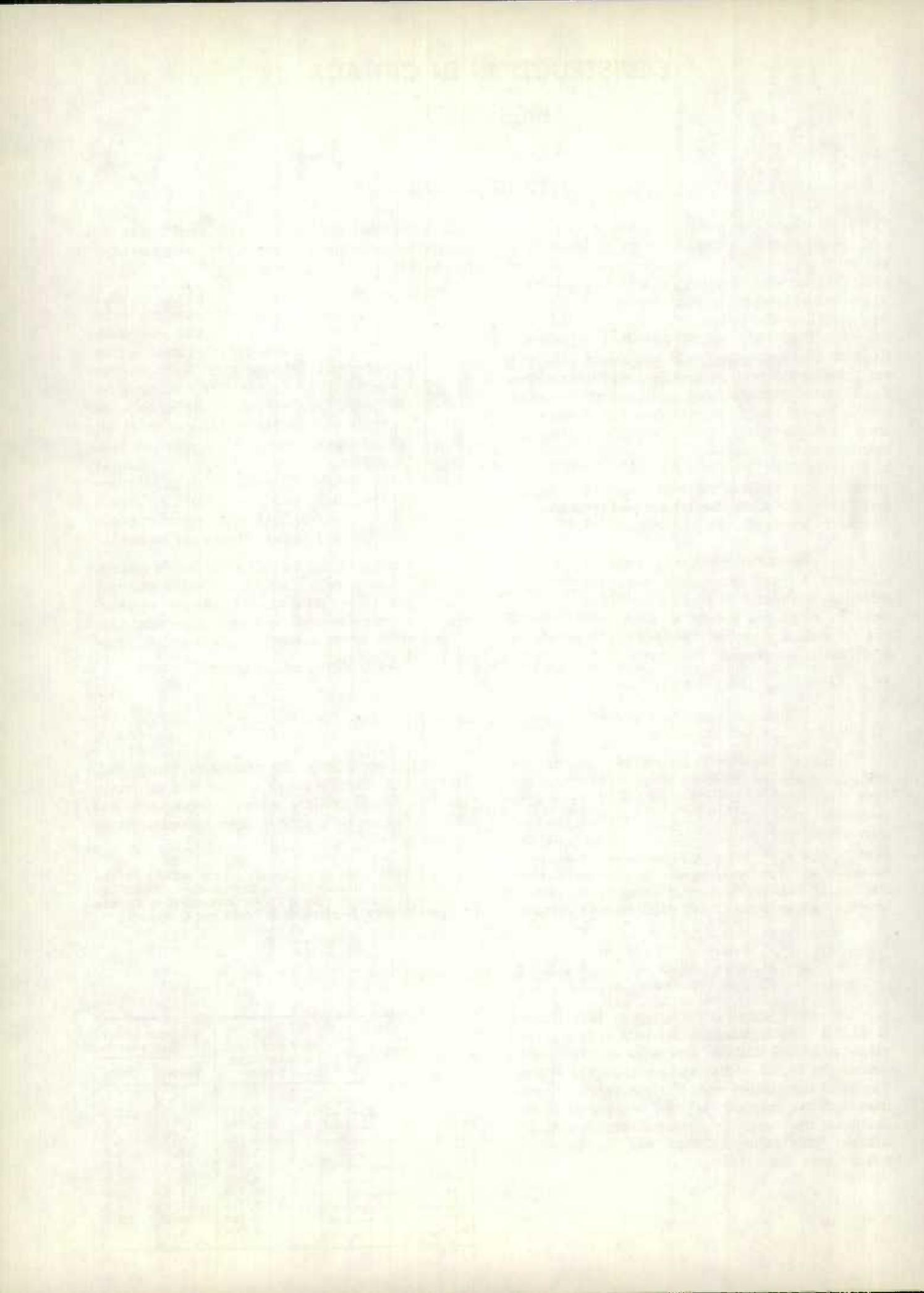
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CONSTRUCTION IN CANADA

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INTRODUCTION

This report contains data on construction activity undertaken in Canada during 1955 and 1956 and provides estimates of the intended program for 1957. The information given for 1956 is preliminary whereas that shown for 1955 and earlier years is final. The probable volume of construction that will be realized in 1957 can be appraised only in the light of past experience and conditions that will exist during the year. Since 1951, when this series was initiated, the estimates of the intended program for the current year have been from 5 to 10 per cent lower than the final estimates prepared after the year was over, except in 1954 when they were over by 2 per cent. In 1956 the estimate of intended construction was about 2 per cent below the preliminary figure. The more detailed estimates are subject to greater error than the total for Canada.

The statistical problems related to making allowance for non-coverage and non-response for individual industries or regions and for the various types of structures present a great many difficulties. Changing plans and problems of respondents in estimating accurately the cost of the structures

also add to the difficulties. It is particularly important to bear this in mind in any examination of the details shown in this report.

The estimates are based mainly on data collected at the same time and from the same sources as that used in "Private and Public Investment in Canada, Outlook 1957", issued earlier this year. The slight differences in totals between the two reports are due to rounding and minor revisions. While the earlier report provided data on both construction and machinery and equipment expenditures, this report deals with construction only, but in considerably more detail, with separate estimates provided for 70 different types of structures, such as: factories, office buildings, retail and wholesale stores, schools, electric power plants, highways and railway tracks and roadbed.

Also included are statistics on labour content in terms of numbers of persons and value and cost of materials used. The various sources of information and methods used to derive these statistics are described in the statistical notes which follow the tabular material.

GENERAL REVIEW

Canada's intended construction program for 1957 is estimated at about 5 per cent above the 1956 level. This is a moderate increase when compared with 1956, when the value rose 20 per cent over 1955. The smaller increase in 1957 is due largely to a slow down in housebuilding, which is estimated at 15 per cent below the 1956 level. Non-residential building and engineering construction, however, show a continued high rate of increase

for 1957 especially in the categories commercial, institutional, electric power and gas and oil facilities. The St. Lawrence Seaway development and the Trans-Canada pipeline figure prominently in this advance.¹

1. For a more detailed discussion of the outlook for the construction program and factors likely to affect the realization see *Private & Public Investment in Canada Outlook 1957*, Department of Trade and Commerce.

Value of Construction

The 1957 construction program is estimated at \$6,702 million, about 5 per cent over the 1956 value of \$6,389 million. New work is expected to account for \$5,563 million and repair \$1,139 million. The 1957 anticipated rise of 5 per cent is in contrast with an increase in 1956 of over \$1 billion or 20 per cent over the 1955 realization of \$5,311 million. This latter increase was the largest in dollar terms since 1946.

Year	Total new and repair construction \$ Mill	% Increase over previous year in	
		Value	Volume
1948	2,571	27.5	12.2
1949	2,856	11.1	7.1
1950	3,132	9.7	4.1
1951	3,661	16.9	3.9
1952	4,199	14.7	8.2
1953	4,640	10.5	6.8
1954	4,723	1.8	1.8
1955	5,311	12.4	9.5
1956	6,389	20.3	13.6
1957	6,702	4.9	-

Construction in Current and Constant Dollars

The volume of construction carried out in 1955 increased almost 10 per cent over 1954 showing the largest increase since 1948 in percentage terms. Preliminary estimates indicate that this increase was surpassed in 1956 when the program was 14 per cent larger than the previous year. In terms of both current and constant dollars most of the in-

creases have occurred in new construction, repair work showing relatively little change.

As illustrated in Table 1 the construction industry in 1956 continued its importance in the economy by accounting for over one-fifth of the Gross National Product.

TABLE 1. Construction Work Performed, Current and Constant (1949) Dollars 1948-1957¹

	New		Repair		Total		Total construction as percentage of Gross National Product	
	Current	Constant	Current	Constant	Current	Constant	Current	Constant
							\$ Mill	
1948 ²	1,877	1,947	694	720	2,571	2,667	16.5	17.0
1949	2,124	2,124	732	732	2,856	2,856	17.3	17.5
1950	2,366	2,247	766	727	3,132	2,974	17.2	17.2
1951	2,734	2,308	927	783	3,661	3,091	17.0	16.9
1952	3,282	2,616	916	730	4,198	3,346	18.0	17.1
1953	3,666	2,824	974	749	4,640	3,573	19.0	17.6
1954	3,700	2,852	1,023	787	4,723	3,639	19.6	18.5
1955	4,270	3,206	1,041	779	5,311	3,985	19.8	18.5
1956	5,260	3,730	1,129	798	6,389	4,528	21.5	-
1957	5,563	-	1,139	-	6,702	-	-	-

1. Actual 1948-55, Preliminary Actual 1956, Intentions 1957.

2. Newfoundland not included in this year.

Value of Work Done by Contract

The following table illustrates that contractors are continuing to account for a greater proportion of construction work each year. Whereas in 1953 and 1954 they handled 72 per cent of all work, in

1955 and 1956 they accounted for 73 and 76 per cent. In 1956 alone, the value of work performed by contractors increased by one quarter. This trend is apparent in both new and repair construction.

TABLE 2. Value of Construction Work Performed, by Contractors and Others 1953-1957¹
(Millions of Dollars)

	Contract Construction			Other Construction ²			Total Construction		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
1953	2,996	363	3,359	670	611	1,281	3,666	974	4,640
1954	3,011	371	3,382	689	652	1,341	3,700	1,023	4,723
1955	3,484	392	3,876	786	649	1,435	4,270	1,041	5,311
1956	4,388	461	4,849	872	668	1,540	5,260	1,129	6,389
1957	4,659	482	5,141	904	657	1,561	5,563	1,139	6,702

1. Actual 1953-55, Preliminary Actual 1956, Intentions 1957.

2. Represents work done by the labour forces of utilities, manufacturing, mining and logging firms and government departments, home owner-builders and other persons or firms not primarily engaged in the Construction Industry.

Principal Types of Construction

In total, construction in 1957 is not expected to be greatly increased over 1956, largely due to an anticipated decline of \$275 million in residential construction. Other categories, however, show substantial increases. The largest is expected to occur in electric power construction which shows an expected rise of \$166 million. Gas and oil facilities indicate an increase of \$137 million. All other categories of engineering show increases except dams and irrigation work which are expected to decline slightly.

In building construction, commercial and institutional buildings show probable increases over 1956 of \$88 million and \$79 million respectively. Residential, industrial and other building construction show decreases.

In 1956, with the exception of institutional building, all general categories of construction in both building and engineering showed increases over 1955, with industrial building up \$196 million and gas and oil facilities up \$194 million, being the most substantial.

TABLE 3. Value of Construction Work Performed, by Principal Types of Construction, 1953-1957¹

	1953		1954		1955		1956		1957	
	Value	Percent of total								
	\$ Mill	%								
Total Construction	4,640	100.0	4,723	100.0	5,311	100.0	6,389	100.0	6,702	100.0
Total Building Construction	2,812	60.6	2,914	61.7	3,378	63.6	3,789	59.3	3,608	53.8
Residential	1,297	27.9	1,400	29.6	1,737	32.7	1,830	28.6	1,556	23.2
Industrial	402	8.7	364	7.7	398	7.5	594	9.3	568	8.4
Commercial	502	10.8	546	11.6	514	9.7	599	9.4	688	10.3
Institutional	343	7.4	377	8.0	464	8.7	450	7.0	528	7.9
Other	268	5.8	227	4.8	265	5.0	316	5.0	268	4.0
Total Engineering	1,828	39.4	1,809	38.3	1,933	36.4	2,600	40.7	3,094	46.2
Marine Construction	76	1.6	72	1.5	76	1.4	128	2.0	173	2.6
Road, Highway and Aerodrome Construction	457	9.9	473	10.0	519	9.8	617	9.7	667	10.0
Waterworks and Sewage Systems ..	135	2.9	183	3.9	149	2.8	193	3.0	247	3.7
Dams and Irrigation	66	1.4	33	0.7	39	0.7	59	0.9	57	0.8
Electric Power Construction	338	7.3	322	6.8	338	6.4	461	7.2	627	9.4
Railway, Telephone and Telegraph Construction	317	6.8	295	6.3	313	5.9	389	6.1	390	5.8
Gas and Oil Facilities	253	5.5	270	5.7	339	6.4	533	8.3	669	10.0
Other Engineering Construction	186	4.0	161	3.4	160	3.0	220	3.5	264	3.9

1. Actual 1953-55, Preliminary Actual 1956, Intentions 1957.

Labour and Material Content

The information shown in Tables 5 and 6 in this report does not follow the same concept as that shown in previous publications but the information for the years from 1953 to 1956 has been revised so that the data for all years shown are comparable. The procedures used in making these estimates are outlined on page 45. It is estimated

that 633,851 full-time workers would be required to carry out the 1957 construction program and that the value of this labour would be \$2,248 million, or almost 34 per cent of the total value of work. The estimated cost of material required for the program is \$3,208 million, about 47 per cent of the total. This proportion has remained relatively constant over the past five years.

TABLE 4. Value of Construction Work Performed by Type of Structure, Total 1953-1957¹
 (Thousands of dollars)

Type of structure	1953	1954	1955	1956	1957
Total Value of Construction	4,639,645	4,723,367	5,310,629	6,388,832	6,702,072
Total Building Construction	2,812,112	2,913,891	3,377,805	3,788,477	3,607,675
Residential	1,297,300	1,399,900	1,737,300	1,830,400	1,555,800
1 Dwellings, single, double, duplexes and apartments	1,297,300	1,399,900	1,737,300	1,830,400	1,555,800
Industrial	401,775	364,476	398,087	593,789	568,298
2 Factories, plants, workshops, food canneries	332,487	301,338	337,126	462,017	446,034
3 Mine and mine mill buildings	33,374	31,630	32,867	89,954	80,413
4 Railway stations, offices, roadway buildings	19,746	17,070	15,800	24,490	22,360
5 Railway shops, engine houses, water and fuel stations	16,168	14,438	12,294	17,328	19,491
Commercial	501,781	546,339	513,491	599,270	687,607
6 Warehouses, storehouses, refrigerated storage, etc.	115,726	93,641	83,698	81,875	95,986
7 Grain elevators	18,956	19,118	15,754	18,353	20,975
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	34,513	30,690	32,830	54,556	67,557
9 Office buildings	134,153	172,968	151,797	215,430	225,658
10 Stores, retail and wholesale	153,015	174,607	167,812	143,232	179,020
11 Garages and service stations	28,564	35,940	39,601	56,193	65,118
12 Theatres, arenas, amusement and recreational buildings	14,393	17,521	20,006	27,618	32,012
13 Laundries and dry cleaning establishments	2,461	1,854	1,993	2,013	1,281
Institutional	343,091	376,532	463,732	449,424	528,212
14 Schools and other educational buildings	156,161	175,734	222,008	238,633	257,401
15 Churches and other religious buildings	33,308	38,466	40,536	38,619	43,936
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	121,068	121,515	146,368	129,385	166,361
17 Other institutional buildings	32,554	40,817	54,820	42,787	60,514
Other Building Construction	268,165	226,644	265,195	315,594	267,758
18 Farm buildings (excluding dwellings)	135,167	130,860	138,294	153,532	160,001
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	30,388	20,235	26,738	84,603	39,700
20 Aeroplane hangars	32,920	12,178	6,863	8,794	11,291
21 Passenger terminals, bus, boat or air	1,737	1,031	1,669	1,214	944
22 Armouries, barracks, drill halls, etc.	44,022	35,886	66,152	29,328	25,992
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	12,794	10,722	17,365	24,737	18,090
24 Other building construction	11,137	15,732	8,114	13,386	11,740
Total Engineering Construction	1,827,533	1,809,476	1,932,824	2,600,355	3,094,397
Marine Construction	76,061	72,443	76,222	127,947	173,031
25 Docks, wharves, piers, breakwaters	45,826	39,606	29,561	42,619	46,003
26 Retaining walls, embankments, ripraping	5,465	2,390	2,553	4,689	2,725
27 Canals and waterways	3,569	6,373	4,908	3,332	2,675
28 Dredging and pile driving	9,015	17,025	19,488	28,498	55,620
29 Dyke construction	6,313	1,281	5,679	12,546	14,939
30 Logging booms	1,904	1,519	3,875	4,011	2,500
31 Other marine construction	3,969	4,249	10,358	32,252	48,569

1. Actual 1953-1955, Preliminary Actual 1956, Intentions 1957.

TABLE 4. Value of Construction Work Performed by Type of Structure, Total 1953-1957¹ — Concluded
(Thousands of dollars)

Type of structure	1953	1954	1955	1956	1957
Road, Highway and Aerodrome Construction	457,130	473,424	519,259	616,813	667,145
32 Hard surfaced or paved streets, highways, parking lots, etc.	190,456	207,575	237,915	328,056	355,098
33 Gravel or stone streets, highways, roads, parking lots, etc.	122,352	129,228	153,008	186,351	184,725
34 Dirt, clay or other streets, roads, parking lots, etc.	26,760	33,431	55,518	55,016	52,529
35 Grading, scraping, oiling, filling	64,314	73,483	39,894	21,655	21,518
36 Sidewalks, paths	21,226	22,074	17,001	18,104	19,417
37 Aerodromes, landing fields, runways, tarmac	32,022	7,633	15,923	7,631	33,858
Waterworks and Sewage Systems	134,967	183,457	148,648	193,576	246,823
38 Tile drains, drainage ditches, storm sewers	18,159	30,127	27,223	11,068	11,067
39 Water mains, hydrants and services	59,267	71,289	57,854	73,881	93,779
40 Sewage systems and connections	51,896	73,990	54,373	91,793	124,949
41 Pumping stations, water	4,561	3,753	5,869	14,813	11,374
42 Water storage tanks	1,084	4,298	3,529	2,021	5,654
Dams and Irrigation	65,695	32,845	38,949	59,006	56,536
43 Dams and reservoirs	46,845	20,911	25,795	40,081	34,832
44 Irrigation and land reclamation projects	18,850	11,934	13,154	18,925	21,704
Electric Power Construction	338,064	321,870	338,035	461,211	627,142
45 Electric power generating plants, including water conveying and controlling structures	153,041	123,818	202,940	329,281	
331,202 { 46 Electric transformer stations	16,295	33,641	49,513	60,273	
47 Power transmission and distribution lines, trolley wires	146,884	170,914	198,273	226,305	
48 Street lighting	6,852	5,650	9,662	10,485	11,283
Railway, Telephone and Telegraph	316,542	294,824	312,498	388,862	390,114
49 Railway tracks and roadbed	209,459	185,162	194,618	253,085	241,050
50 Signals and inter-lockers	9,425	8,232	6,284	10,054	10,143
51 Telegraph and telephone lines, underground and marine cables	97,658	101,430	111,596	125,723	138,921
Gas and Oil Facilities	253,117	269,787	339,104	532,964	669,534
52 Gas mains and services	8,813	7,313	14,436	34,330	45,847
53 Pumping stations, oil	9,098	8,669	4,947	4,826	9,906
54 Pumping stations, gas	371	1,048	755	3,162	5,615
55 Oil storage tanks	17,519	15,944	17,805	21,557	27,454
56 Gas storage tanks	4,599	3,139	1,627	2,838	4,578
57 Oil pipe lines	58,055	49,520	23,264	30,571	32,456
58 Gas pipe lines	9,265	14,254	26,503	142,208	242,077
59 Oil wells	72,695	89,777	146,144	189,072	170,033
60 Gas wells	12,567	8,518	14,605	14,781	18,754
61 Oil refinery — processing units	58,926	68,451	86,484	75,748	83,716
62 Natural gas cleaning plants	1,209	3,154	2,534	13,871	29,088
Other Engineering Construction	185,967	160,826	160,109	219,976	264,072
63 Bridges, trestles, culverts, overpasses, viaducts	67,571	78,243	86,567	124,543	154,857
64 Tunnels and subways	40,345	8,011	3,290	4,289	8,190
65 Incinerators	2,209	5,552	1,664	1,041	3,098
66 Park systems, landscaping, sodding, etc.	9,260	9,929	6,042	6,243	7,789
67 Swimming pools, tennis courts, outdoor recreation facilities	3,938	5,636	1,623	1,757	2,310
68 Mine shafts and other below surface workings	24,296	22,270	24,885	41,814	51,303
69 Fences, snowsheds, signs, guard rails	17,567	16,785	17,752	18,387	18,326
70 Other engineering construction	20,781	14,400	18,286	21,902	18,199

1. Actual 1953-1955, Preliminary Actual 1956, Intentions 1957

TABLE 5. Labour Content and Cost of Materials Used 1953-1957¹
By Provinces

Province	Labour Content		Cost of materials used	Value of work performed
	No.	Value		
\$(000)				
Canada:				
1953	515,060	1,651,390	2,185,613	4,639,645
1954	518,186	1,680,132	2,194,810	4,723,367
1955	534,018	1,787,319	2,340,914	5,310,629
1956	605,722	2,144,817	3,050,862	6,388,832
1957	633,851	2,248,221	3,208,236	6,702,072
Newfoundland:				
1953	9,014	27,799	30,298	68,118
1954	9,778	26,639	30,702	67,372
1955	10,045	26,393	35,796	77,659
1956	10,374	30,136	36,122	80,830
1957	11,689	34,638	44,226	94,267
Prince Edward Island:				
1953	2,022	4,264	7,398	14,222
1954	2,245	4,921	5,900	15,589
1955	2,418	5,359	7,249	17,179
1956	2,261	5,322	7,150	17,172
1957	2,244	5,102	6,950	16,698
Nova Scotia:				
1953	20,031	51,490	68,550	141,164
1954	19,049	49,791	62,510	136,018
1955	17,993	48,278	70,308	142,228
1956	17,854	50,150	73,513	147,765
1957	17,683	49,116	70,993	143,087
New Brunswick:				
1953	15,439	37,480	52,775	105,227
1954	14,897	38,476	59,795	110,975
1955	19,539	52,249	73,463	154,029
1956	20,281	56,439	79,986	167,162
1957	19,151	53,134	78,200	159,535
Quebec:				
1953	135,104	404,631	537,622	1,124,040
1954	135,102	415,441	559,341	1,160,447
1955	132,566	419,834	652,695	1,306,593
1956	146,714	488,882	763,125	1,530,279
1957	150,814	501,958	784,252	1,570,843
Ontario:				
1953	173,932	569,627	744,621	1,597,331
1954	183,134	611,897	792,362	1,699,764
1955	187,914	650,722	898,727	1,869,335
1956	209,030	759,958	1,055,248	2,194,020
1957	226,793	825,813	1,155,520	2,398,877
Manitoba:				
1953	29,327	81,279	122,620	245,760
1954	27,361	83,796	116,945	240,977
1955	29,275	90,679	123,789	257,433
1956	33,823	109,380	152,222	310,905
1957	37,839	123,540	176,814	359,307

TABLE 5. Labour Content and Cost of Materials Used 1953-1957¹
By Provinces — Concluded

Province	Labour Content		Cost of materials used	Value of work performed
	No.	Value		
\$(000)				
Saskatchewan:				
1953	25,476	77,455	114,996	235,195
1954	30,656	100,784	125,626	291,521
1955	27,556	91,677	131,271	280,415
1956	34,353	118,605	168,025	363,086
1957	33,778	116,117	164,722	353,758
Alberta:				
1953	50,570	179,335	264,628	556,008
1954	50,934	172,931	247,360	550,258
1955	52,641	187,267	284,492	623,605
1956	59,039	226,063	339,497	747,716
1957	56,005	214,072	321,471	707,837
British Columbia:				
1953	54,145	218,030	242,105	552,560
1954	45,010	175,456	194,269	450,446
1955	54,071	212,861	262,924	582,153
1956	71,873	299,882	375,974	829,897
1957	77,855	324,731	407,088	898,063

1. Actual 1953-55 Preliminary Actual 1956, Intentions 1957.

TABLE 6. Labour Content and Cost of Materials Used 1953-1957¹
By Contractors and Others

Type	Labour Content		Cost of materials used	Value of work performed
	No.	Value		
\$(000)				
Total:				
1953	513,060	1,651,390	2,185,613	4,639,645
1954	518,186	1,680,132	2,194,810	4,723,367
1955	534,018	1,787,319	2,540,914	5,310,629
1956	605,722	2,144,817	3,050,862	6,388,832
1957	633,851	2,248,221	3,208,236	6,702,072
Contractors:				
1953	322,889	1,110,446	1,588,109	3,358,410
1954	321,525	1,101,370	1,599,498	3,381,630
1955	343,322	1,213,022	1,867,575	3,875,878
1956	409,287	1,522,051	2,331,803	4,849,493
1957	434,514	1,616,976	2,476,498	5,140,743
Utilities:				
1953	79,870	233,692	263,128	540,341
1954	77,137	243,910	244,013	537,576
1955	75,707	239,877	305,097	602,942
1956	86,266	285,461	354,318	708,853
1957	87,118	288,120	367,533	725,591
Governments:				
1953	56,640	148,278	131,529	318,278
1954	68,724	179,767	141,983	383,558
1955	61,176	167,492	131,265	361,725
1956	59,590	173,820	135,471	370,658
1957	63,036	184,611	143,424	392,130
Others:				
1953	55,661	158,974	202,847	422,616
1954	50,800	155,085	209,316	420,603
1955	53,813	166,928	236,957	470,084
1956	50,579	163,485	229,270	459,828
1957	49,183	158,514	220,781	443,608

1. Actual 1953-55, Preliminary Actual 1956, Intentions 1957.

VALUE OF CONSTRUCTION WORK PERFORMED - CANADA 1955-57¹

TABLE 7. By Type of Structure New and Repair

(Thousand of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	4,269,694	1,040,935	5,310,629	5,260,319	1,128,513	6,388,832	5,563,371	1,138,701	6,702,672
Total Building Construction	2,811,293	566,512	3,377,805	3,184,607	603,870	3,788,477	2,989,175	618,500	3,607,675
Residential	1,499,300	238,000	1,737,300	1,574,900	255,500	1,830,400	1,283,000	272,800	1,555,800
1 Dwellings, single, double, duplexes and apartments	1,499,300	238,000	1,737,300	1,574,900	255,500	1,830,400	1,283,000	272,800	1,555,800
Industrial	293,375	104,712	398,087	475,409	118,380	593,789	453,987	114,311	568,298
2 Factories, plants, workshops, food canneries	257,837	79,289	337,126	377,463	84,554	482,017	363,130	82,904	446,034
3 Mine and mine mill buildings	26,109	6,758	32,867	82,554	7,400	89,954	72,803	7,610	80,413
4 Railway stations, offices, roadway buildings	5,082	10,718	15,800	9,261	15,229	24,490	9,261	13,099	22,360
5 Railway shops, engine houses, water and fuel stations	4,347	7,947	12,294	6,131	11,197	17,328	8,793	10,698	19,491
Commercial	427,232	86,259	513,491	509,973	89,297	599,270	598,797	88,810	687,607
8 Warehouses, storehouses, refrigerated storage, etc.	72,573	11,125	83,898	70,042	11,833	81,875	84,529	11,457	95,986
7 Grain elevators	10,147	5,607	15,754	12,376	5,977	18,353	15,608	5,366	20,975
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	22,392	10,438	32,830	43,506	11,050	54,556	54,020	13,537	67,557
9 Office buildings	125,529	26,288	151,797	186,434	28,996	215,430	198,122	27,536	225,658
10 Stores, retail and wholesale	144,645	23,167	167,812	121,910	21,322	143,232	158,010	21,010	179,020
11 Garages and service stations	33,217	6,384	39,601	49,140	7,053	56,193	57,908	7,210	65,118
12 Theatres, arenas, amusement and recreational buildings	17,627	2,379	20,006	25,415	2,203	27,618	30,126	1,886	32,012
13 Laundries and dry cleaning establishments	1,102	891	1,993	1,150	863	2,013	473	808	1,281
Institutional	408,201	55,531	463,732	397,809	51,615	449,424	477,231	50,981	528,212
14 Schools and other educational buildings	199,983	22,025	222,008	215,690	22,943	238,633	234,338	23,063	257,401
15 Churches and other religious buildings	32,591	7,945	40,536	32,140	6,479	38,619	37,088	6,848	43,936
18 Hospitals, sanatoria, clinics, first-aid stations, etc.	132,967	13,401	148,388	114,526	14,859	129,385	151,888	14,473	166,361
17 Other institutional buildings	42,680	12,160	54,820	35,453	7,334	42,787	53,917	6,597	60,514
Other Building Construction	183,185	82,010	265,195	228,516	89,078	315,594	178,160	91,598	267,758
18 Farm buildings (excluding dwellings)	80,688	57,606	138,294	89,252	64,280	153,532	93,785	66,218	160,001
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	25,418	1,320	28,738	83,339	1,264	84,803	38,174	1,526	39,700
20 Aeroplane hangars	5,093	1,770	6,883	8,952	1,842	8,794	9,341	1,950	11,291
21 Passenger terminals, bus, boat or air	1,583	88	1,669	1,033	181	1,214	565	359	944
22 Armouries, barracks, drill halls, etc.	53,514	12,638	66,152	16,255	13,073	29,328	12,732	13,260	25,992
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	12,192	5,173	17,365	19,971	4,766	24,737	13,445	4,645	18,090
24 Other building construction	4,897	3,417	8,114	9,714	3,672	13,386	8,098	3,642	11,740
Total Engineering Construction	1,458,401	474,423	1,932,824	2,075,712	524,643	2,600,355	2,574,196	520,201	3,094,397
Marine Construction	80,945	15,277	76,222	111,493	16,454	127,947	156,221	16,810	173,031
25 Docks, wharves, piers, breakwaters	22,118	7,445	29,561	34,588	8,031	42,619	38,225	7,778	46,003
28 Retaining walls, embankments, ripraping	2,011	542	2,553	4,139	550	4,889	2,143	582	2,725
27 Canals and waterways	3,297	1,611	4,908	2,041	1,291	3,332	1,367	1,308	2,675
28 Dredging and pile driving	18,210	3,278	19,488	25,042	3,456	28,498	51,221	4,399	55,620
29 Dyke construction	5,411	266	5,879	12,237	309	12,546	14,615	324	14,939
30 Logging booms	2,791	884	3,675	2,902	1,109	4,011	1,494	1,006	2,500
31 Other marine construction	8,109	1,249	10,358	30,544	1,708	32,252	47,156	1,413	48,569

1. Actual 1955, Preliminary Actual 1958, Intentions 1957.

269
467
102
122

TABLE 7. By Type of Structure New and Repair — Concluded
(Thousand of dollars)

1499
1597

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	359,209	160,050	519,259	448,227	168,586	616,813	485,924	181,221	667,145
32 Hard surfaced or paved streets, highways, parking lots, etc.	168,109	69,806	237,915	245,597	82,459	328,056	260,444	94,654	355,098
33 Gravel or stone streets, highways, roads, parking lots, etc.	98,578	54,430	153,008	125,911	60,440	186,351	124,502	60,223	184,725
34 Dirt, clay or other streets, roads, parking lots, etc.	34,763	20,755	55,518	40,050	14,966	55,016	36,686	15,843	52,529
35 Grading, scraping, oiling, filling	28,607	11,287	39,894	14,159	7,496	21,655	14,437	7,081	21,518
36 Sidewalks, paths	13,878	3,123	17,001	15,413	2,691	18,104	16,583	2,834	19,417
37 Aerodromes, landing fields, runways, tarmac	15,274	649	15,923	7,097	534	7,631	33,272	586	33,858
Waterworks and Sewage Systems	127,214	21,434	148,648	167,668	25,908	193,576	219,483	27,340	246,823
38 Tile drains, drainage ditches, storm sewers	24,687	2,536	27,223	7,279	3,789	11,068	7,012	4,055	11,067
39 Water mains, hydrants and services	45,333	12,521	57,854	60,005	13,876	73,881	79,146	14,633	93,779
40 Sewage systems and connections	49,052	5,321	54,373	84,737	7,056	91,793	117,434	7,515	124,949
41 Pumping stations, water	4,768	901	5,669	13,700	1,113	14,813	10,333	1,041	11,374
42 Water storage tanks	3,374	155	3,529	1,947	74	2,021	5,558	96	5,654
Dams and Irrigation	34,293	4,656	38,949	53,328	5,678	58,006	50,818	5,718	56,536
43 Dams and reservoirs	23,657	2,138	25,795	37,705	2,378	40,081	32,572	2,260	34,832
44 Irrigation and land reclamation projects	10,636	2,518	13,154	15,623	3,302	18,925	18,246	3,458	21,704
Electric Power Construction	301,183	36,832	338,035	420,121	41,090	461,211	581,720	45,422	627,142
45 Electric power generating plants, including water conveying and controlling structures	115,944	7,874	123,818	193,385	9,555	202,940	318,222	11,059	329,281
46 Electric transformer stations	29,355	4,286	33,641	45,061	4,452	49,513	55,327	4,946	60,273
47 Power transmission and distribution lines trolley wires	149,254	21,660	170,914	175,625	22,648	198,273	201,334	24,971	226,305
48 Street lighting	6,630	3,032	9,662	6,050	4,435	10,485	6,837	4,446	11,283
Railway, Telephone and Telegraph	143,906	168,592	312,498	202,324	186,538	388,862	228,184	161,930	390,114
49 Railway tracks and roadbed	61,199	133,419	194,618	111,326	141,759	253,085	121,187	119,863	241,050
50 Signals and interlockers	1,935	4,349	6,284	3,979	6,075	10,054	4,707	5,436	10,143
51 Telegraph and telephone lines, underground and marine cables	80,772	30,824	111,596	87,019	38,704	125,723	102,290	36,631	138,921
Gas and Oil Facilities	311,291	27,813	339,104	504,444	28,520	532,964	639,685	29,849	669,534
52 Gas mains and services	12,896	1,540	14,436	32,054	2,276	34,330	43,900	1,947	45,847
53 Pumping stations, oil	3,992	955	4,947	3,637	1,189	4,826	8,554	1,352	9,906
54 Pumping stations, gas	688	67	755	3,130	32	3,162	5,558	57	5,615
55 Oil storage tanks	15,983	1,822	17,805	20,251	1,306	21,557	26,303	1,151	27,454
56 Gas storage tanks	1,237	390	1,627	2,451	387	2,838	3,642	936	4,578
57 Oil pipe lines	21,920	1,344	23,264	29,277	1,294	30,571	30,949	1,507	32,456
58 Gas pipe lines	25,275	1,228	26,503	141,309	899	142,208	241,225	852	242,077
59 Oil wells	143,229	2,915	146,144	185,167	3,905	189,072	165,555	4,478	170,033
60 Gas wells	14,376	229	14,605	14,531	250	14,781	18,462	292	18,754
61 Oil refinery — processing units	69,350	17,134	86,484	58,954	16,794	75,748	66,877	16,839	83,716
62 Natural gas cleaning plants	2,345	189	2,534	13,683	188	13,871	28,660	438	29,098
Other Engineering Construction	120,360	39,749	160,109	168,107	51,869	219,976	212,161	51,911	264,072
63 Bridges, trestles, culverts, overpasses, viaducts	66,128	20,439	86,567	95,687	28,656	124,543	127,778	27,079	154,857
64 Tunnels and subways	2,868	422	3,290	3,761	528	4,289	7,305	885	8,190
65 Incinerators	383	1,281	1,664	615	426	1,041	2,720	378	3,098
66 Park systems, landscaping, sodding, etc.	3,176	2,866	6,042	3,327	2,916	6,243	4,637	3,152	7,789
67 Swimming pools, tennis courts, outdoor recreation facilities	924	699	1,623	1,026	731	1,757	1,572	738	2,310
68 Mine shafts and other below surface workings	22,614	2,071	24,885	39,453	2,361	41,814	48,377	2,926	51,303
69 Fences, snowsheds, signs, guard rails	7,565	10,187	17,752	7,320	11,067	18,387	7,408	10,918	18,326
70 Other engineering construction	16,502	1,784	16,286	16,718	5,184	21,902	12,364	5,835	18,199

TABLE 8. Dollar and Percentage Change by Type of Structure

Type of structure	Change 1955 to 1956		Change 1956 to 1957		Type of structure	Change 1955 to 1956		Change 1956 to 1957	
	\$ Mill	%	\$ Mill	%		\$ Mill	%	\$ Mill	%
Total Value of Construction	1,078	20.3	313	4.9	Road, Highway and Aerodrome Construction	98	18.8	50	8.2
Total Building Construction	411	12.2	-181	-4.8	32 Hard surfaced or paved streets, highways, parking lots, etc.	90	-	27	-
Residential	93	5.4	-275	-15.0	33 Gravel or stone streets, highways, roads, parking lots, etc.	33	-	- 2	-
1 Dwellings, single, double, duplexes and apartments	93	-	-275	-	34 Dirt, clay or other streets, roads, parking lots, etc.	- 1	-	- 2	-
Industrial	196	49.2	- 25	- 4.3	35 Grading, scraping, oiling, filling	- 18	-	0	-
2 Factories, plants, work shops, food canneries	125	-	- 16	-	36 Sidewalks, paths	1	-	1	-
3 Mine and mine mill buildings	57	-	- 10	-	37 Aerodromes, landing fields, runways, tarmac	- 8	-	26	-
4 Railway stations, offices, roadway buildings	9	-	- 2	-	Waterworks and Sewage Systems	45	30.2	53	27.5
5 Railway shops, engine houses, water and fuel stations	5	-	2	-	38 Tile drains, drainage ditches, storm sewers	- 16	-	0	-
Commercial	86	16.7	88	14.7	39 Water mains, hydrants and services	16	-	20	-
6 Warehouses, storehouses, refrigerated storage, etc.	2	-	14	-	40 Sewage systems and connections	37	-	33	-
7 Grain elevators	3	-	2	-	41 Pumping stations, water	9	-	3	-
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	22	-	13	-	42 Water storage tanks	- 2	-	4	-
9 Office buildings	64	-	10	-	Dams and Irrigation	20	51.5	- 2	- 4.2
10 Stores, retail and wholesale	25	-	36	-	43 Dams and reservoirs	14	-	5	-
11 Garages and service stations	17	-	9	-	44 Irrigation and land reclamation projects	6	-	3	-
12 Theatres, arenas, amusement and recreational buildings	8	-	4	-	Electric Power Construction	123	36.4	166	36.0
13 Laundries and dry cleaning establishments	0	-	- 1	-	45 Electric power generating plants, including water conveying and controlling structures	79	-	126	-
Institutional	- 14	- 3.1	79	17.5	46 Electric transformer stations	16	-	11	-
14 Schools and other educational buildings	17	-	19	-	47 Power transmission and distribution lines, trolley wires	27	-	28	-
15 Churches and other religious buildings	2	-	5	-	48 Street lighting	1	-	1	-
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	- 17	-	37	-	Railway, Telephone and Telegraph	76	24.4	1	0.3
17 Other institutional buildings	- 12	-	18	-	49 Railway tracks and roadbeds	58	-	12	-
Other Building Construction	50	19.0	- 48	-15.2	50 Signals and interlockers	4	-	0	-
18 Farm buildings (excluding dwellings)	15	-	6	-	51 Telegraph and telephone lines, underground and marine cables	14	-	13	-
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	58	-	- 45	-	Gas and Oil Facilities	194	57.2	137	25.6
20 Aeroplane hangars	2	-	2	-	52 Gas mains and services	20	-	12	-
21 Passenger terminals, bus, boat or air	0	-	0	-	53 Pumping stations, oil	0	-	5	-
22 Armouries, barracks, drill halls, etc.	- 37	-	- 3	-	54 Pumping stations, gas	2	-	2	-
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	7	-	- 7	-	55 Oil storage tanks	4	-	6	-
24 Other building construction	5	-	- 2	-	56 Gas storage tanks	1	-	2	-
Total Engineering Construction	668	34.5	494	19.0	57 Oil pipe lines	7	-	2	-
Marine Construction	52	67.9	45	35.2	58 Gas pipe lines	116	-	100	-
25 Docks, wharves, piers, breakwaters	13	-	3	-	59 Oil wells	43	-	19	-
26 Retaining walls, embankments, ripraping	2	-	- 2	-	60 Gas wells	0	-	4	-
27 Canals and waterways	- 2	-	- 1	-	61 Oil refinery-processing units	- 11	-	8	-
28 Dredging and pile driving	9	-	27	-	62 Natural gas cleaning plants	11	-	15	-
29 Dyke construction	7	-	2	-	Other Engineering Construction	60	37.4	44	20.0
30 Logging booms	0	-	- 2	-	63 Bridges, trestles, culverts, overpasses, viaducts	38	-	30	-
31 Other marine construction	22	-	16	-	64 Tunnels and subways	1	-	4	-
					65 Incinerators	- 1	-	2	-
					66 Park systems, landscaping, sodding, etc. ..	0	-	2	-
					67 Swimming pools, tennis courts, outdoor recreation facilities	0	-	1	-
					68 Mine shafts and other below surface workings	17	-	9	-
					69 Fences, snowsheds, signs, guard rails	1	-	0	-
					70 Other engineering construction	4	-	4	-

TABLE 9. By Principal Types of Construction for Industry or Sector
(Thousands of dollars)

	1955			1956			1957		
	Building	Engineering	Total	Building	Engineering	Total	Building	Engineering	Total
Total	3,377,805	1,932,824	5,310,629	3,788,477	2,600,355	6,388,832	3,607,675	3,094,397	6,702,072
Agriculture and Fishing	135,393	18,148	153,541	152,788	20,215	173,003	159,137	21,047	180,184
Forestry	12,461	41,421	53,882	11,436	47,179	58,615	10,889	42,961	53,850
Mining, Quarrying and Oil Wells	45,010	219,378	264,388	103,218	285,417	388,635	90,686	275,939	366,625
Construction	18,723	1,612	20,335	22,565	617	23,182	17,987	1,461	19,448
Manufacturing	327,405	117,644	445,049	443,023	139,564	562,587	436,169	140,743	576,912
Utilities	91,785	814,510	906,295	111,708	1,227,189	1,338,897	120,318	1,612,388	1,732,706
Trade - Wholesale and Retail	203,947	10,945	214,892	198,150	15,643	213,793	246,675	20,636	267,311
Finance, Insurance and Real Estate	76,674	15,011	91,685	98,660	13,875	112,535	123,078	13,906	136,984
Commercial Services	43,946	1,625	45,571	64,294	1,766	66,060	81,132	284	81,416
Housing	1,737,300	-	1,737,300	1,830,400	-	1,830,400	1,555,800	-	1,555,800
Institutional Services	408,272	841	409,113	401,411	987	402,398	462,225	878	463,103
Government Departments	276,889	691,689	968,578	350,824	847,903	1,198,727	303,579	964,154	1,267,733

TABLE 10. Dollars and Percentage Change by Principal Type of Construction for Industry or Sector

	Change 1955 to 1956						Change 1956 to 1957					
	Building		Engineering		Total		Building		Engineering		Total	
	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%
Total	411	12.2	668	34.5	1,078	20.3	-181	-4.8	494	19.0	313	4.9
Agriculture and Fishing	17	12.8	2	11.4	19	12.7	6	4.2	1	4.1	7	4.2
Forestry	1	-8.2	6	13.9	5	8.8	-1	-4.8	-4	-8.9	-5	-8.1
Mining, Quarrying and Oil Wells	58	129.3	66	30.1	124	47.0	-13	-12.1	-9	-3.3	-22	-5.7
Construction	4	20.5	-1	-61.7	3	14.0	-5	-10.3	1	136.8	-4	-6.1
Manufacturing	116	35.3	22	18.6	138	30.9	-7	-1.5	1	0.8	-6	-1.0
Utilities	20	21.7	413	50.7	433	47.7	9	-7.7	385	31.4	394	29.4
Trade - Wholesale and Retail	-6	-2.8	5	42.9	-1	-0.5	49	24.5	5	31.9	54	25.0
Finance, Insurance and Real Estate	22	28.7	-1	-7.6	21	22.7	24	24.7	0	0.2	24	21.7
Commercial Services	20	46.3	0	8.7	20	45.0	17	26.2	-1	-83.9	15	23.2
Housing	93	5.4	0	0.0	93	5.4	-275	-15.0	0	0.0	-275	-15.0
Institutional Services	-7	-1.7	0	17.4	-7	-1.6	61	15.2	0	-11.0	61	15.1
Government Departments	74	26.7	156	22.6	230	23.8	-47	-13.5	116	13.7	69	5.8

VALUE OF CONSTRUCTION WORK PERFORMED BY TYPE OF STRUCTURE - INDUSTRY OR SECTOR 1955-1957¹TABLE 11. Primary Industries²

(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	387,313	104,833	492,146	529,552	113,883	643,435	501,829	118,278	620,107
Total Building Construction	138,233	73,354	211,587	210,359	79,648	290,007	196,890	81,809	278,699
Residential	—	—	—	—	—	—	—	—	—
1 Dwellings, single, double, duplexes and apartments	—	—	—	—	—	—	—	—	—
Industrial	33,625	8,897	42,522	92,913	8,863	101,776	80,722	9,257	89,979
2 Factories, plants, workshops, food canneries	7,483	2,224	9,707	10,257	1,453	11,710	7,510	1,633	9,143
3 Mine and mine mill buildings	25,902	6,861	32,563	82,554	7,395	89,949	72,803	7,610	80,413
4 Railway stations, offices, roadway buildings	184	12	196	10	7	17	408	4	412
5 Railway shops, engine houses, water and fuel stations	56	—	56	92	8	100	1	10	11
Commercial	16,814	2,360	19,174	18,199	2,059	20,258	16,274	1,932	18,206
6 Warehouses, storehouses, refrigerated storage, etc.	6,394	1,084	7,478	8,190	1,013	9,203	6,988	984	7,972
7 Grain elevators	—	—	—	—	7	7	—	7	7
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	145	11	156	81	36	117	267	17	284
9 Office buildings	9,489	1,128	10,617	8,453	697	9,150	6,724	649	7,373
10 Stores, retail and wholesale	21	13	34	341	138	479	133	132	265
11 Garages and service stations	576	100	676	724	123	847	746	94	840
12 Theatres, arenas, amusement and recreational buildings	172	24	196	399	41	440	1,411	48	1,459
13 Laundries and dry cleaning establishments	17	—	17	11	4	15	5	1	6
Institutional	279	40	319	585	25	620	309	24	333
14 Schools and other educational buildings	138	27	165	274	8	282	78	10	88
15 Churches and other religious buildings	—	1	1	12	3	15	—	2	2
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	122	12	134	309	14	323	216	12	228
17 Other institutional buildings	19	—	19	—	—	—	15	—	15
Other Building Construction	87,515	62,057	149,572	98,632	68,701	167,353	99,585	70,596	170,181
18 Farm buildings (excluding dwellings)	76,753	57,328	134,081	87,280	64,016	151,296	91,640	65,936	157,578
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	49	29	78	26	46	72	185	35	220
20 Aeroplane hangars	3	—	3	205	—	205	—	1	1
21 Passenger terminals, bus, boat or air	20	—	20	—	—	—	—	—	—
22 Armouries, barracks, drill halls, etc.	—	—	—	—	—	—	—	—	—
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	10,274	4,370	14,644	10,512	4,302	14,814	7,255	4,283	11,538
24 Other building construction	416	330	746	629	337	966	505	339	844
Total Engineering Construction	249,080	31,479	280,559	319,193	34,235	353,428	304,939	36,469	341,408
Marine Construction	14,138	2,739	16,877	11,362	3,080	14,442	11,016	2,643	13,659
25 Docks, wharves, piers, breakwaters	3,173	1,204	4,377	1,332	1,324	2,656	2,160	1,150	3,310
26 Retaining walls, embankments, ripraping	192	143	335	230	150	380	394	234	628
27 Canals and waterways	634	393	1,027	1,051	47	1,098	302	50	352
28 Dredging and pile driving	7,147	17	7,164	5,681	43	5,924	6,498	29	6,527
29 Dyke construction	9	—	9	47	13	60	—	1	1
30 Logging booms	2,725	624	3,349	2,586	890	3,476	1,454	887	2,341
31 Other marine construction	258	358	618	235	613	848	208	292	500

1. Actual 1955, Preliminary Actual 1956, Intentions 1957.

2. Primary Industries include Agriculture and Fishing, Forestry, Mining, Quarrying, Oil Wells, and the Construction Industry.

TABLE 11. Primary Industries — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	22,834	10,495	33,329	24,315	10,667	34,982	23,090	10,985	34,075
32 Hard surfaced or paved streets, highways, parking lots, etc.	787	40	827	621	1,272	1,893	726	1,389	2,115
33 Gravel or stone streets, highways, roads, parking lots, etc.	11,629	4,565	16,194	8,625	3,905	12,530	7,672	4,007	11,679
34 Dirt, clay or other streets, roads, parking lots, etc.	9,897	5,820	15,717	14,630	5,285	19,915	13,784	5,380	19,164
35 Grading, scraping, oiling, filling	232	64	296	208	191	399	715	174	889
36 Sidewalks, paths	30	3	33	121	11	132	152	10	162
37 Aerodromes, landing fields, runways, tarmac	259	3	262	110	3	113	41	25	66
Waterworks and Sewage Systems	2,616	472	3,088	2,374	382	2,756	3,102	426	3,528
38 Tile drains, drainage ditches, storm sewers	17	12	29	116	4	120	204	3	207
39 Water mains, hydrants and services	1,290	289	1,579	1,511	234	1,745	1,789	281	2,070
40 Sewage systems and connections	897	64	961	368	87	455	837	77	914
41 Pumping stations, water	156	31	187	259	52	311	169	62	231
42 Water storage tanks	256	76	332	120	5	125	103	3	106
Dams and Irrigation	7,908	2,388	10,296	9,427	2,592	12,019	9,782	2,771	12,553
43 Dams and reservoirs	2,747	378	3,125	3,535	464	3,999	3,607	577	4,184
44 Irrigation and land reclamation projects	5,161	2,010	7,171	5,892	2,128	8,020	6,175	2,194	8,369
Electric Power Construction	3,748	579	4,327	4,600	673	5,273	5,633	721	6,354
45 Electric power generating plants, including water conveying and controlling structures	589	125	714	1,940	276	2,216	1,754	299	2,053
46 Electric transformer stations	922	68	990	973	51	1,024	968	36	1,004
47 Power transmission and distribution lines, trolley wires	2,226	292	2,518	1,518	305	1,623	2,807	352	3,159
48 Street lighting	11	94	105	169	41	210	104	34	138
Railway, Telephone and Telegraph	5,050	1,841	6,891	7,584	1,942	9,526	2,145	2,618	4,763
49 Railway tracks and roadbed	4,817	1,445	6,262	7,361	1,415	8,776	1,862	2,218	4,080
50 Signals and interlockers	7	—	7	10	—	10	41	—	41
51 Telegraph and telephone lines, underground and marine cables	226	396	622	213	527	740	242	400	642
Gas and Oil Facilities	164,124	3,291	167,415	210,163	4,643	214,806	192,394	5,280	197,874
52 Gas mains and services	21	4	25	—	149	149	—	142	142
53 Pumping stations, oil	62	6	88	131	38	169	150	43	193
54 Pumping stations, gas	—	—	—	1	—	1	10	12	22
55 Oil storage tanks	5,704	76	5,780	7,252	51	7,303	5,341	64	5,405
56 Gas storage tanks	6	1	7	2	1	3	1	—	1
57 Oil pipe lines	714	14	728	1,867	264	2,131	1,890	262	2,152
58 Gas pipe lines	257	81	338	1,524	13	1,537	1,673	22	1,695
59 Oil wells	143,229	2,915	146,144	185,032	3,897	188,929	165,420	4,470	169,890
60 Gas wells	14,109	190	14,299	14,262	230	14,492	17,702	265	17,967
61 Oil refinery —processing units	—	1	1	12	—	12	86	—	86
62 Natural gas cleaning plants	2	3	5	60	—	80	321	—	321
Other Engineering Construction	28,662	9,674	38,336	49,368	10,256	59,624	57,577	11,025	68,602
63 Bridges, trestles, culverts, overpasses, viaducts	1,203	188	1,391	769	103	872	429	102	531
64 Tunnels and subways	183	—	183	298	—	298	118	—	118
65 Incinerators	—	1	1	—	5	5	—	4	4
66 Park systems, landscaping, sodding, etc.	65	50	115	92	63	155	89	58	147
67 Swimming pools, tennis courts, outdoor recreation facilities	4	1	5	16	—	16	18	1	19
68 Mine shafts and other below surface workings	22,343	2,071	24,414	36,481	2,359	40,840	47,686	2,926	50,612
69 Fences, snowsheds, signs, guard rails	3,716	6,091	9,807	4,230	6,744	10,974	4,389	7,018	11,407
70 Other engineering construction	1,148	1,272	2,420	5,482	982	6,464	4,848	916	5,764

TABLE 12. Manufacturing
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	344,425	100,624	445,049	476,787	103,800	582,587	473,601	103,311	576,912
Total Building Construction	250,341	77,064	327,405	359,981	83,042	443,023	355,288	80,881	436,169
Residential	—	—	—	—	—	—	—	—	—
1 Dwellings, single, double, duplexes and apartments	—	—	—	—	—	—	—	—	—
Industrial	216,624	74,082	290,706	315,308	80,442	395,750	312,889	78,519	391,408
2 Factories, plants, work shops, food canneries	215,080	70,771	285,851	313,533	76,400	389,933	308,571	74,388	382,959
3 Mine and mine mill buildings	203	31	234	—	—	—	—	—	—
4 Railway stations, offices, roadway buildings	44	3	47	202	58	260	647	17	664
5 Railway shops, engine houses, water and fuel stations	1,297	3,277	4,574	1,573	3,984	5,557	3,671	4,114	7,785
Commercial	31,747	2,451	34,198	38,534	2,238	40,772	39,123	2,078	41,203
6 Warehouses, storehouses, refrigerated storage, etc.	14,270	912	15,182	15,088	864	15,952	15,840	867	16,707
7 Grain elevators	305	83	388	561	45	606	144	65	209
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	281	98	379	59	83	142	79	94	173
9 Office buildings	15,178	1,127	16,305	20,385	971	21,356	19,756	768	20,524
10 Stores, retail and wholesale	1,141	110	1,251	1,025	222	1,247	323	236	559
11 Garages and service stations	290	50	340	1,266	20	1,306	2,607	28	2,635
12 Theatres, arenas, amusement and recreational buildings	282	60	342	130	33	163	376	20	396
13 Laundries and dry cleaning establishments	—	11	11	—	—	—	—	—	—
Institutional	632	56	688	180	36	216	63	31	94
14 Schools and other educational buildings	50	1	51	104	7	111	63	1	64
15 Churches and other religious buildings	15	—	15	—	—	—	—	—	—
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	567	22	589	76	26	102	—	27	27
17 Other institutional buildings	—	33	33	—	3	3	—	3	3
Other Building Construction	1,338	475	1,813	5,959	326	6,285	3,211	253	3,464
18 Farm buildings (excluding dwellings)	68	19	87	89	18	107	66	24	90
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	—	5	5	—	—	—	9	—	9
20 Aeroplane hangars	5	68	73	41	41	82	2,392	41	2,433
21 Passenger terminals, bus, boat or air	—	—	—	—	—	—	—	—	—
22 Armouries, barracks, drill halls, etc.	—	—	—	—	6	6	—	6	6
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	1,264	378	1,642	5,829	261	6,090	744	182	926
24 Other building construction	1	5	6	—	—	—	—	—	—
Total Engineering Construction	94,084	23,560	117,644	116,806	22,758	139,564	118,313	22,430	140,743
Marine Construction	1,730	1,625	3,355	10,266	1,616	11,882	9,617	1,315	10,932
25 Docks, wharves, piers, breakwaters	1,268	1,009	2,277	8,686	842	9,528	9,334	703	10,037
26 Retaining walls, embankments, ripraping	62	72	134	144	74	218	59	6	65
27 Canals and waterways	—	17	17	—	2	2	—	2	2
28 Dredging and pile driving	340	254	594	1,271	250	1,521	224	229	453
29 Dyke construction	—	14	14	—	30	30	—	48	48
30 Logging booms	57	219	276	165	197	362	—	106	106
31 Other marine construction	3	40	43	—	221	221	—	221	221

TABLE 12. Manufacturing — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	3,649	1,794	5,443	4,425	1,817	6,242	2,934	1,418	4,352
32 Hard surfaced or paved streets, highways, parking lots, etc.	1,530	546	2,076	2,044	704	2,748	1,170	571	1,741
33 Gravel or stone streets, highways, roads, parking lots, etc.	887	576	1,463	642	733	1,375	755	519	1,274
34 Dirt, clay or other streets, roads, parking lots, etc.	500	521	1,021	481	280	761	409	243	652
35 Grading, scraping, oiling, filling	617	54	671	1,160	66	1,226	578	46	624
36 Sidewalks, paths	11	19	30	2	22	24	22	26	48
37 Aerodromes, landing fields, runways, tarmac	104	78	182	96	12	108	—	13	13
Waterworks and Sewage Systems	3,271	530	3,801	9,829	734	10,563	3,944	749	4,693
38 Tile drains, drainage ditches, storm sewers	144	42	186	844	114	958	521	128	649
39 Water mains, hydrants and services	1,434	177	1,611	4,002	261	4,263	2,164	419	2,583
40 Sewage systems and connections	992	177	1,169	1,346	195	1,541	546	96	642
41 Pumping stations, water	585	113	698	3,187	140	3,327	231	84	315
42 Water storage tanks	116	21	137	450	24	474	482	22	504
Dams and Irrigation	265	115	380	153	70	223	59	124	183
43 Dams and reservoirs	260	115	375	153	70	223	59	124	183
44 Irrigation and land reclamation projects	5	—	5	—	—	—	—	—	—
Electric Power Construction	2,899	547	3,446	10,609	367	10,976	8,134	537	8,671
45 Electric power generating plants, including water conveying and controlling structures	505	250	755	4,623	198	4,821	3,124	282	3,406
46 Electric transformer stations	664	45	709	3,567	30	3,597	3,306	94	3,400
47 Power transmission and distribution lines, trolley wires	1,360	217	1,577	2,398	127	2,525	1,672	142	1,814
48 Street lighting	370	35	405	21	12	33	32	19	51
Railway, Telephone and Telegraph	1,424	553	1,977	1,724	644	2,368	968	512	1,480
49 Railway tracks and roadbed	1,334	495	1,829	1,691	612	2,303	958	477	1,435
50 Signals and interlockers	—	—	—	—	—	—	—	—	—
51 Telegraph and telephone lines, underground and marine cables	90	58	148	33	32	65	10	35	45
Gas and Oil Facilities	79,977	18,118	98,095	77,554	17,164	94,718	90,765	17,459	108,224
52 Gas mains and services	6	3	9	37	13	50	35	9	44
53 Pumping stations, oil	5	22	27	52	15	67	130	15	145
54 Pumping stations, gas	62	—	62	—	—	—	1	7	8
55 Oil storage tanks	4,485	688	5,173	3,698	142	3,840	10,412	143	10,555
56 Gas storage tanks	561	2	563	191	2	193	41	1	42
57 Oil pipe lines	3,306	101	3,407	1,043	8	1,051	61	9	70
58 Gas pipe lines	14	24	38	15	23	38	2	25	27
59 Oil wells	—	—	—	135	8	143	135	8	143
60 Gas wells	9	5	14	18	—	18	—	—	—
61 Oil refinery — processing units	69,350	17,133	86,483	58,942	16,794	75,736	66,791	16,834	83,625
62 Natural gas cleaning plants	2,179	140	2,319	13,423	159	13,582	13,157	408	13,565
Other Engineering Construction	869	278	1,147	2,246	346	2,592	1,892	316	2,208
63 Bridges, trestles, culverts, overpasses, viaducts	31	41	72	245	37	282	47	12	59
64 Tunnels and subways	15	3	18	93	3	96	—	—	—
65 Incinerators	62	2	64	107	1	108	385	11	396
66 Park systems, landscaping, sodding, etc.	65	149	214	47	239	286	80	247	327
67 Swimming pools, tennis courts, outdoor recreation facilities	12	14	26	78	2	80	—	3	3
68 Mine shafts and other below surface workings	470	—	470	970	—	970	691	—	691
69 Fences, snowsheds, signs, guard rails	179	47	226	210	58	268	202	42	244
70 Other engineering construction	35	22	57	496	6	502	487	1	488

TABLE 13. Utilities
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	648,860	257,435	906,295	1,046,198	292,699	1,338,897	1,464,709	267,997	1,732,706
Total Building Construction	64,327	27,458	91,785	77,207	34,501	111,708	88,504	31,814	120,318
Residential	—	—	—	—	—	—	—	—	—
1 Dwellings, single, double, duplexes and apartments ..	—	—	—	—	—	—	—	—	—
Industrial	11,427	16,696	28,123	23,816	23,319	47,135	21,821	20,752	42,573
2 Factories, plants, workshops, food canneries	3,577	1,261	4,838	10,357	989	11,346	8,617	1,141	9,758
3 Mine and mine mill buildings	4	66	70	—	—	—	—	—	—
4 Railway stations, offices, roadway buildings	4,852	10,899	15,551	9,000	15,125	24,125	8,083	13,037	21,120
5 Railway shops, engine houses, water and fuel stations ..	2,994	4,670	7,664	4,459	7,205	11,664	5,121	6,574	11,695
Commercial	28,843	9,234	38,077	27,850	9,778	37,628	37,526	9,118	46,644
6 Warehouses, storehouses, refrigerated storage, etc.	9,052	1,565	10,617	5,830	1,685	7,515	10,416	1,549	11,965
7 Grain elevators	9,842	5,524	15,366	11,540	5,861	17,401	15,143	5,294	20,437
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	—	18	18	115	43	158	80	10	90
9 Office buildings	5,989	1,416	7,405	6,870	1,459	8,329	7,626	1,445	9,071
10 Stores, retail and wholesale	9	1	10	762	14	776	256	7	263
11 Garages and service stations	3,949	707	4,656	2,733	716	3,449	4,005	813	4,818
12 Theatres, arenas, amusement and recreational buildings	2	3	5	—	—	—	—	—	—
13 Laundries and dry cleaning establishments	—	—	—	—	—	—	—	—	—
Institutional	—	—	—	434	—	434	2,327	—	2,327
14 Schools and other educational buildings	—	—	—	215	—	215	957	—	957
15 Churches and other religious buildings	—	—	—	219	—	219	1,370	—	1,370
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	—	—	—	—	—	—	—	—	—
17 Other institutional buildings	—	—	—	—	—	—	—	—	—
Other Building Construction	24,057	1,528	25,585	25,107	1,404	26,511	26,830	1,944	28,774
18 Farm buildings (excluding dwellings)	—	—	—	—	—	—	—	—	—
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	22,647	931	23,578	19,155	858	20,013	20,861	1,124	21,985
20 Aeroplane hangars	810	134	944	1,643	173	1,816	2,758	260	3,018
21 Passenger terminals, bus, boat or air	372	73	445	1,033	173	1,206	585	351	936
22 Armouries, barracks, drill halls, etc.	—	—	—	—	—	—	—	—	—
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	133	162	295	1,891	24	1,915	2,471	31	2,502
24 Other building construction	95	228	323	1,385	176	1,561	155	178	333
Total Engineering Construction	584,533	229,977	814,510	968,991	258,198	1,227,189	1,376,203	236,183	1,612,388
Marine Construction	16,534	1,961	18,495	49,370	2,339	51,709	93,069	3,142	96,211
25 Docks, wharves, piers, breakwaters	3,632	1,455	5,087	8,545	1,811	10,356	11,444	1,626	13,070
26 Retaining walls, embankments, ripraping	67	26	93	72	8	80	264	12	276
27 Canals and waterways	1,986	34	2,020	1	47	48	74	45	119
28 Dredging and pile driving	4,962	371	5,333	8,246	435	8,681	32,819	1,378	34,197
29 Dyke construction	4,164	—	4,164	11,999	—	11,999	14,575	—	14,575
30 Logging booms	9	41	50	29	22	51	40	13	53
31 Other marine construction	1,714	34	1,748	20,478	16	20,494	33,853	68	33,921

TABLE 13. Utilities — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	5,412	647	6,059	4,670	441	5,111	3,615	354	3,969
32 Hard surfaced or paved streets, highways, parking lots, etc.	575	188	763	832	161	993	2,353	159	2,512
33 Gravel or stone streets, highways, roads, parking lots, etc.	89	170	259	3,122	95	3,217	910	29	939
34 Dirt, clay or other streets, roads, parking lots, etc.	9	109	118	476	74	550	54	55	109
35 Grading, scraping, oiling, filling	4,544	104	4,648	24	103	127	25	89	114
36 Sidewalks, paths	1	—	1	128	3	131	250	—	250
37 Aerodromes, landing fields, runways, tarmac	194	76	270	88	5	93	23	22	45
Waterworks and Sewage Systems	45,614	11,992	57,606	59,331	12,661	71,992	88,453	13,159	101,612
38 Tile drains, drainage ditches, storm sewers	3	3	6	2	7	9	4	7	11
39 Water mains, hydrants and services	38,851	11,171	50,022	47,708	11,694	59,402	68,356	12,096	80,452
40 Sewage systems and connections	22	12	34	827	15	842	6,084	129	6,213
41 Pumping stations, water	3,817	749	4,566	9,453	904	10,357	9,044	861	9,905
42 Water storage tanks	2,921	57	2,978	1,341	41	1,382	4,965	66	5,031
Dams and Irrigation	17,996	801	18,797	28,564	1,052	29,616	22,824	667	23,491
43 Dams and reservoirs	17,976	801	18,777	28,498	960	29,458	22,738	667	23,405
44 Irrigation and land reclamation projects	20	—	20	66	92	158	86	—	86
Electric Power Construction	287,331	33,082	320,413	399,478	35,836	435,314	560,244	39,998	600,242
45 Electric power generating plants, including water conveying and controlling structures	113,199	7,171	120,370	185,761	8,780	194,541	311,651	10,164	321,815
46 Electric transformer stations	27,458	4,149	31,607	39,856	4,346	44,202	50,201	4,791	54,992
47 Power transmission and distribution lines, trolley wires	144,171	20,629	164,800	171,277	21,617	192,894	195,590	23,925	219,515
48 Street lighting	2,503	1,133	3,686	2,584	1,093	3,677	2,802	1,118	3,920
Railway, Telephone and Telegraph	136,208	163,718	301,926	192,864	183,558	376,422	224,837	158,388	383,225
49 Railway tracks and roadbed	54,360	131,229	185,589	102,153	139,497	241,650	118,282	116,937	235,219
50 Signals and interlockers	1,928	4,298	6,226	3,969	6,075	10,044	4,666	5,436	10,102
51 Telegraph and telephone lines, underground and marine cables	79,920	30,191	110,111	86,742	37,986	124,728	101,889	36,015	137,904
Gas and Oil Facilities	61,422	5,044	66,466	207,556	5,360	212,916	344,050	5,387	349,437
52 Gas mains and services	12,861	1,524	14,385	32,015	2,103	34,118	43,853	1,785	45,638
53 Pumping stations, oil	3,896	927	4,823	3,454	1,136	4,590	8,247	1,294	9,541
54 Pumping stations, gas	373	67	440	3,129	32	3,161	5,547	38	5,585
55 Oil storage tanks	1,788	76	1,664	2,661	137	2,798	2,517	158	2,675
56 Gas storage tanks	8	26	34	3	27	30	—	33	33
57 Oil pipe lines	17,113	1,221	18,334	26,105	1,013	27,118	28,394	1,212	29,606
58 Gas pipe lines	24,961	1,123	26,084	139,758	863	140,621	239,550	805	240,355
59 Oil wells	—	—	—	—	—	—	—	—	—
60 Gas wells	258	34	292	251	20	271	760	27	787
61 Oil refinery — processing units	—	—	—	—	—	—	—	5	5
62 Natural gas cleaning plants	164	46	210	180	29	209	15,182	30	15,212
Other Engineering Construction	14,016	10,732	24,748	27,158	16,951	44,109	39,113	15,088	54,201
63 Bridges, tresties, culverts, overpasses, viaducts	11,457	8,111	19,568	23,784	13,069	36,853	35,277	11,206	46,483
64 Tunnels and subways	852	319	1,171	1,546	380	1,926	2,424	743	3,167
65 Incinerators	—	—	—	—	—	—	—	—	—
66 Park systems, landscaping, sodding, etc.	12	19	31	167	31	198	97	19	116
67 Swimming pools, tennis courts, outdoor recreation facilities ...	9	15	18	—	—	—	—	6	6
68 Mine shafts and other below surface workings	—	—	—	2	2	4	—	—	—
69 Fences, snowsheds, signs, guard rails	817	2,185	3,002	1,251	2,903	4,154	1,027	2,470	3,497
70 Other engineering construction	875	83	958	408	566	974	288	644	932

TABLE 14. Trade Finance and Commercial Services
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	296,914	55,234	352,148	337,248	55,140	392,388	428,411	57,300	483,711
Total Building Construction	271,813	52,734	324,567	308,740	52,364	361,104	397,877	53,008	450,885
Residential	—	—	—	—	—	—	—	—	—
1 Dwellings, single, double, duplexes and apartments	—	—	—	—	—	—	—	—	—
Industrial	5,679	1,114	6,793	14,052	1,155	15,207	17,041	984	18,025
2 Factories, plants, workshops, food canneries	5,677	1,110	6,787	13,996	1,116	15,112	16,918	943	17,861
3 Mine and mine mill buildings	—	—	—	—	—	—	—	—	—
4 Railway stations, offices, roadway buildings	2	4	6	49	39	88	123	41	164
5 Railway shops, engine houses, water and fuel stations	—	—	—	7	—	7	—	—	—
Commercial	263,550	51,474	315,024	291,657	51,033	342,690	378,039	51,810	429,849
6 Warehouses, storehouses, refrigerated storage, etc.	34,815	5,234	40,049	33,357	5,461	38,818	44,811	5,179	49,990
7 Grain elevators	—	—	—	—	64	64	—	—	—
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	16,315	9,351	25,666	32,253	9,864	42,117	45,896	12,372	58,268
9 Office buildings	36,997	6,830	43,827	59,549	7,325	66,874	82,766	6,366	89,132
10 Stores, retail and wholesale	142,846	23,004	165,850	119,778	20,913	140,691	156,942	20,602	177,544
11 Garages and service stations	22,204	4,927	27,131	34,119	5,482	39,601	35,891	5,469	41,360
12 Theatres, arenas, amusement and recreational buildings	9,288	1,246	10,536	11,462	1,065	12,527	11,265	1,015	12,280
13 Laundries and dry cleaning establishments	1,085	880	1,965	1,139	859	1,998	468	807	1,275
Institutional	1,155	150	1,305	1,874	156	2,030	2,747	187	2,934
14 Schools and other educational buildings	—	—	—	—	—	—	—	—	—
15 Churches and other religious buildings	—	—	—	—	—	—	—	—	—
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	1,155	150	1,305	1,874	156	2,030	2,747	187	2,934
17 Other institutional buildings	—	—	—	—	—	—	—	—	—
Other Building Construction	1,429	16	1,445	1,157	20	1,177	50	27	77
18 Farm buildings (excluding dwellings)	1,426	—	1,426	823	—	823	50	—	50
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	—	—	—	—	—	—	—	—	—
20 Aeroplane hangars	—	—	—	—	—	—	—	—	—
21 Passenger terminals, bus, boat or air	—	5	5	—	—	—	—	—	—
22 Armouries, barracks, drill halls, etc.	—	—	—	—	—	—	—	—	—
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	3	6	9	90	—	90	—	—	—
24 Other building construction	—	5	5	244	20	264	—	27	27
Total Engineering Construction	25,101	2,480	27,581	28,508	2,776	31,284	30,534	4,292	34,826
Marine Construction	337	141	478	1,033	74	1,107	596	248	844
25 Docks, wharves, piers, breakwaters	310	135	445	362	67	429	535	237	772
26 Retaining walls, embankments, ripraping	26	—	26	30	—	30	3	—	3
27 Canals and waterways	—	—	—	—	—	—	—	—	—
28 Dredging and pile driving	—	6	6	346	1	347	25	1	26
29 Dyke construction	1	—	1	161	2	163	33	7	40
30 Logging booms	—	—	—	122	—	122	—	—	—
31 Other marine construction	—	—	—	12	4	16	—	3	3

TABLE 14. Trade Finance and Commercial Services — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	11,181	789	11,970	9,197	1,045	10,242	10,280	1,631	11,931
32 Hard surfaced or paved streets, highways, parking lots, etc.	9,399	382	9,781	6,252	229	6,481	6,946	324	7,270
33 Gravel or stone streets, highways, roads, parking lots, etc.	432	302	734	2,270	755	3,025	2,396	1,215	3,611
34 Dirt, clay or other streets, roads, parking lots, etc.	168	10	178	91	4	95	55	7	62
35 Grading, scraping, oiling, filling	1,044	76	1,120	382	55	437	592	67	659
36 Sidewalks, paths	138	19	157	202	2	204	291	38	329
37 Aerodromes, landing fields, runways, tarmac	—	—	—	—	—	—	—	—	—
Waterworks and Sewage Systems	6,257	82	6,339	7,364	94	7,458	5,523	417	5,940
38 Tile drains, drainage ditches, storm sewers	1,700	26	1,726	1,446	12	1,458	1,896	44	1,940
39 Water mains, hydrants and services	1,798	44	1,842	2,428	35	2,463	1,482	171	1,653
40 Sewage systems and connections	2,593	12	2,605	2,723	47	2,770	1,849	183	2,032
41 Pumping stations, water	123	—	123	761	—	761	288	16	304
42 Water storage tanks	43	—	43	6	—	6	8	3	11
Dams and Irrigation	—	—	—	11	—	11	—	—	—
43 Dams and reservoirs	—	—	—	—	—	—	—	—	—
44 Irrigation and land reclamation projects	—	—	—	11	—	11	—	—	—
Electric Power Construction	568	3	571	325	1	326	680	5	685
45 Electric power generating plants, including water conveying and controlling structures	—	—	—	60	1	61	—	1	1
46 Electric transformer stations	27	—	27	60	—	60	417	—	417
47 Power transmission and distribution lines, trolley wires	33	—	33	60	—	60	161	—	161
48 Street lighting	508	3	511	145	—	145	102	4	106
Railway, Telephone and Telegraph	64	24	88	107	23	130	76	21	97
49 Railway tracks and roadbed	64	24	88	107	21	128	71	17	88
50 Signals and interlockers	—	—	—	—	—	—	—	—	—
51 Telegraph and telephone lines, underground and marine cables..	—	—	—	—	2	2	5	4	9
Gas and Oil Facilities	5,759	1,320	7,079	9,162	1,310	10,472	12,260	1,679	13,939
52 Gas mains and services	8	—	8	1	—	1	—	—	—
53 Pumping stations, oil	9	—	9	—	—	—	27	—	27
54 Pumping stations, gas	253	—	253	—	—	—	—	—	—
55 Oil storage tanks	4,003	966	4,969	6,634	959	7,593	8,029	768	8,797
56 Gas storage tanks	656	354	1,010	2,255	351	2,806	3,600	896	4,496
57 Oil pipe lines	787	—	787	262	—	262	604	15	619
58 Gas pipe lines	43	—	43	10	—	10	—	—	—
59 Oil wells	—	—	—	—	—	—	—	—	—
60 Gas wells	—	—	—	—	—	—	—	—	—
61 Oil refinery — processing units	—	—	—	—	—	—	—	—	—
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	935	121	1,056	1,309	229	1,538	1,119	271	1,390
63 Bridges, trestles, culverts, overpasses, viaducts	25	4	29	221	1	222	21	1	22
64 Tunnels and subways	37	—	37	3	—	3	—	—	—
65 Incinerators	1	—	1	24	1	25	—	—	—
66 Park systems, landscaping, sodding, etc.	198	32	230	223	32	255	203	114	317
67 Swimming pools, tennis courts, outdoor recreation facilities....	246	1	247	29	96	125	60	65	125
68 Mine shafts and other below surface workings	1	—	1	—	—	—	—	—	—
69 Fences, snowsheds, signs, guard rails	313	60	373	531	70	601	533	61	594
70 Other engineering construction	114	24	138	278	29	307	302	30	332

TABLE 15. Federal Governments
(Thousand of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	242,891	65,059	307,950	284,504	67,932	352,436	253,126	68,966	322,092
Total Building Construction	164,376	39,668	204,044	209,713	41,493	251,206	154,476	42,138	196,614
2 Factories, plants, workshops, food canneries	23,920	3,501	27,421	26,693	4,079	30,772	17,873	4,174	22,047
6 Warehouses, storehouses, refrigerated storage, etc.	6,862	2,137	8,999	5,994	2,211	8,205	4,711	2,240	6,951
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	4,121	960	5,081	8,292	1,003	9,295	4,438	1,022	5,460
9 Office buildings	39,259	11,246	50,505	53,480	11,578	65,058	51,615	11,754	63,369
10 Stores, retail and wholesale	545	32	577	4	35	39	356	33	389
11 Garages and service stations	3,750	425	4,175	5,413	444	5,857	5,484	453	5,937
12 Theatres, arenas, amusement and recreational buildings	555	311	866	6,880	325	7,205	5,871	333	6,204
14 Schools and other educational buildings	4,908	1,095	6,003	7,804	1,144	8,948	11,801	1,166	12,967
15 Churches and other religious buildings	1,170	2	1,172	1,295	2	1,297	448	2	450
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	1,292	1,672	2,964	4,149	1,735	5,884	11,149	1,757	12,906
17 Other institutional buildings	12,620	2,769	15,389	1,064	2,853	3,917	2,486	2,891	5,377
18 Farm buildings (excluding dwellings)	2,147	233	2,380	768	240	1,008	1,585	247	1,832
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	2,466	348	2,814	63,859	360	64,219	16,737	367	17,104
20 Aeroplane hangars	4,257	1,552	5,809	5,039	1,628	6,667	4,160	1,646	5,808
21 Passenger terminals, bus, boat or air	1,191	8	1,199	—	8	8	—	8	8
22 Armouries, barracks, drill halls, etc.	53,426	12,630	66,056	16,131	13,067	29,198	12,574	13,254	25,828
24 Other building construction	1,887	747	2,634	2,846	781	3,629	3,188	789	3,977
Total Engineering Construction	78,515	25,391	103,906	74,791	26,439	101,230	98,650	26,828	125,478
25 Docks, wharves, piers, breakwaters	12,674	3,226	16,100	14,369	3,360	17,729	13,243	3,414	16,657
26 Retaining walls, embankments, ripraping	1,645	294	1,939	3,595	305	3,900	1,389	308	1,697
27 Canals and waterways	506	1,167	1,873	989	1,195	2,184	991	1,211	2,202
28 Dredging and pile driving	3,761	2,630	6,391	9,298	2,727	12,025	11,655	2,762	14,417
29 Dyke construction	1,236	163	1,399	30	171	201	7	175	182
31 Other marine construction	811	431	1,242	1,170	446	1,616	2,052	454	2,506
32 Hard surfaced or paved streets, highways, parking lots, etc.	6,879	1,250	8,129	16,730	1,292	18,022	14,198	1,312	15,510
33 Gravel or stone streets, highways, roads, parking lots, etc.	4,643	3,903	8,546	1,489	4,084	5,573	1,588	4,143	5,731
34 Dirt, clay or other streets, roads, parking lots, etc.	148	415	563	36	436	472	39	443	482
35 Grading, scraping, oiling, filling	375	2,180	2,555	680	2,282	2,962	797	2,313	3,110
37 Aerodromes, landing fields, runways, tarmac	14,446	486	14,932	6,243	502	6,745	32,723	513	33,236
39 Water mains, hydrants and services	1,743	815	2,558	1,338	851	2,189	2,119	862	2,981
40 Sewage systems and connections	1,150	439	1,589	1,309	465	1,774	1,813	470	2,283
43 Dams and reservoirs	1,986	803	2,789	985	839	1,824	1,114	650	1,964
44 Irrigation and land reclamation projects	2,481	455	2,936	4,213	477	4,690	6,685	485	7,170
45 Electric power generating plants, including water conveying and controlling structures	1,509	287	1,796	900	298	1,198	1,207	302	1,509
46 Electric transformer stations	220	24	244	565	25	590	404	25	429
47 Power transmission and distribution lines, trolley wires	1,391	522	1,913	362	544	906	1,104	548	1,652
63 Bridges, trestles, culverts, overpasses, viaducts	3,813	2,274	6,087	2,143	2,372	4,515	395	2,409	2,804
66 Park systems, landscaping, sodding, etc.	1,314	1,205	2,519	338	1,233	1,571	310	1,249	1,559
69 Fences, snowsheds, signs, guard rails	1,554	1,122	2,676	177	1,162	1,339	168	1,189	1,357
70 Other engineering construction	14,030	1,300	15,330	7,832	1,373	9,205	4,649	1,391	6,040

TABLE 16. Provincial Governments
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	286,423	126,854	413,277	396,126	121,448	517,574	408,006	132,962	540,968
Total Building Construction	30,081	9,821	39,902	49,205	7,525	56,730	36,784	6,968	43,752
2 Factories, plants, workshops, food canneries	703	139	842	—	—	—	—	—	—
6 Warehouses, storehouses, refrigerated storage, etc.	632	170	802	1,035	587	1,622	1,070	627	1,697
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	—	—	—	308	16	324	203	13	216
9 Office buildings	11,708	3,399	15,107	28,208	4,880	33,088	14,822	4,430	19,252
11 Garages and service stations	660	14	674	752	42	794	671	4	675
12 Theatres, arenas, amusement and recreational buildings	2,722	5	2,727	—	—	—	620	5	625
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	1,250	—	1,250	498	—	498	—	—	—
17 Other institutional buildings	10,234	5,838	16,072	16,961	1,848	18,809	18,020	1,715	19,735
24 Other building construction	2,172	256	2,428	1,443	152	1,595	1,378	174	1,552
Total Engineering Construction	256,342	117,033	373,375	346,921	113,923	460,844	371,222	125,994	497,216
25 Docks, wharves, piers, breakwaters	340	274	614	422	581	1,003	478	573	1,051
31 Other marine construction	351	25	376	53	—	53	14	21	35
32 Hard surfaced or paved streets, highways, parking lots, etc.	100,512	55,973	156,485	156,803	63,890	220,693	172,179	75,551	247,730
33 Gravel or stone streets, highways, roads, parking lots, etc.	68,506	34,751	103,257	91,822	29,995	121,817	89,930	29,116	119,046
34 Dirt, clay or other streets, roads, parking lots, etc.	18,368	8,152	26,520	16,419	2,013	18,432	14,765	3,073	17,838
35 Grading, scraping, oiling, filling	20,838	7,568	28,406	11,686	4,321	16,007	11,710	3,912	15,622
38 Sidewalks, paths	724	407	1,131	34	2	36	37	3	40
38 Tile drains, drainage ditches, storm sewers	6,774	463	7,237	1,335	332	1,667	1,586	354	1,940
39 Water mains, hydrants and services	67	1	68	2,816	787	3,603	3,033	803	3,836
43 Dams and reservoirs	16	5	21	3,589	6	3,595	3,848	5	3,853
44 Irrigation and land reclamation projects	2,969	53	3,022	5,308	601	5,909	5,300	779	6,079
63 Bridges, trestles, culverts, overpasses, viaducts	35,448	8,506	43,954	55,037	10,697	65,734	65,748	10,927	76,675
66 Park systems, landscaping, sodding, etc.	222	556	778	653	649	1,302	1,556	787	2,343
69 Fences, snowsheds, signs, guard rails	649	205	854	635	16	651	716	24	740
70 Other engineering construction	558	94	652	309	33	342	322	66	388

TABLE 17. Municipal Governments
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction									
26 Total Building Construction	196,607	50,744	247,351	255,164	73,553	328,717	329,453	75,220	404,673
2 Factories, plants, workshops, food canneries	26,466	6,477	32,943	35,343	7,545	42,888	55,783	7,430	63,213
6 Warehouses, storehouses, refrigerated storage, etc.	1,384	283	1,667	2,627	514	3,141	3,632	625	4,257
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	399	21	420	536	11	547	684	11	695
9 Office buildings	1,530	—	1,530	2,151	—	2,151	2,746	—	2,746
11 Garages and service stations	6,831	1,122	7,953	9,487	2,075	11,562	14,813	2,122	16,935
12 Theatres, arenas, amusement and recreational buildings	1,788	161	1,949	4,111	226	4,337	8,504	349	8,853
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	4,450	727	5,177	5,015	724	5,739	9,634	436	10,070
17 Other institutional buildings	237	59	296	202	170	372	519	194	713
18 Farm buildings (excluding dwellings)	8,897	2,111	11,008	7,025	1,567	8,592	10,864	1,484	12,348
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	148	—	148	208	—	208	266	—	266
24 Other building construction	213	—	213	299	—	299	382	—	382
	589	1,993	2,582	3,682	2,258	5,940	3,739	2,209	5,948
Total Engineering Construction									
25 Docks, wharves, piers, breakwaters	170,141	44,267	214,408	219,821	66,008	285,829	273,670	67,790	341,460
31 Other marine construction	519	142	661	872	46	918	1,031	75	1,106
32 Hard surfaced or paved streets, highways, parking lots, etc.	6,163	459	6,622	8,664	469	9,133	11,063	469	11,532
33 Gravel or stone streets, highways, roads, parking lots, etc.	48,311	11,425	59,736	62,122	14,889	77,011	62,836	15,313	78,149
34 Dirt, clay or other streets, roads, parking lots, etc.	12,360	10,158	22,516	17,922	20,863	38,785	21,224	21,173	42,397
35 Grading, scraping, oiling, filling	5,670	5,727	11,397	7,916	6,870	14,786	7,574	6,641	14,215
36 Sidewalks, paths	949	1,241	2,190	13	478	491	16	478	494
	12,908	2,594	15,502	14,865	2,570	17,435	15,726	2,677	18,403
37 Aerodromes, landing fields, runways, tarmac	270	6	276	380	3	383	485	3	488
38 Tile drains, drainage ditches, storm sewers	15,403	1,733	17,136	3,499	3,047	6,546	2,771	3,245	6,016
40 Sewage systems and connections	43,203	4,602	47,805	78,091	6,245	84,336	106,295	6,559	112,854
43 Dams and reservoirs	672	36	708	945	37	982	1,206	37	1,243
48 Street lighting	3,139	1,657	4,796	3,113	3,180	6,293	3,785	3,160	6,945
63 Bridges, trestles, culverts, overpasses, viaducts	14,148	1,313	15,461	13,686	2,371	16,057	25,861	2,422	28,283
64 Tunnels and subways	976	74	1,050	1,808	105	1,913	4,749	128	4,877
65 Incinerators	270	1,249	1,519	484	397	881	2,298	334	2,632
66 Park systems, landscaping, sodding, etc.	1,235	751	1,986	1,736	573	2,309	2,217	573	2,790
67 Swimming pools, tennis courts, outdoor recreation facilities	572	472	1,044	804	481	1,285	1,027	481	1,508
69 Fences, snowsheds, signs, guard rails	317	476	793	285	109	394	364	109	473
70 Other engineering construction	3,056	154	3,210	2,616	3,275	5,891	3,142	3,913	7,055

TABLE 18. Housing and Institutional Services
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Housing:									
1 Dwellings, single, double, duplexes and apartments	1,499,300	238,000	1,737,300	1,574,900	255,500	1,830,400	1,283,000	272,800	1,555,800
Institutions:									
Total Value of Work Performed	366,961	42,152	409,113	359,840	42,558	402,398	421,236	41,867	463,103
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	—	—	—	247	5	252	311	9	320
9 Office buildings	78	—	78	2	11	13	—	2	2
12 Theatres, arenas, amusement and recreational buildings	156	1	157	1,529	15	1,544	949	29	978
14 Schools and other educational buildings	194,887	20,883	215,770	207,293	21,784	229,077	221,439	21,886	243,325
15 Churches and other religious buildings	31,406	7,942	39,348	30,614	6,474	37,088	35,270	6,844	42,114
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	128,344	11,488	139,830	107,418	12,758	120,176	137,257	12,296	149,553
17 Other institutional buildings	10,890	1,409	12,299	10,403	1,063	11,466	22,532	504	23,036
18 Farm buildings (excluding dwellings)	59	19	78	84	6	90	163	7	170
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	372	172	544	1,378	105	1,483	2,596	72	2,668
24 Other building construction	164	4	188	191	31	222	56	3	59
All Engineering Construction	603	236	841	681	306	987	663	215	878

VALUE OF CONSTRUCTION WORK PERFORMED BY TYPE OF STRUCTURE — PROVINCES — 1955-1957¹

TABLE 19. Newfoundland

(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	63,243	14,416	77,659	64,290	16,540	80,830	77,176	17,091	94,267
Total Building Construction	36,601	7,122	43,723	41,003	8,867	49,870	45,619	9,463	55,082
Residential	17,400	2,500	19,900	18,900	3,100	22,000	17,000	3,500	20,500
Industrial	5,596	1,387	6,983	4,572	2,225	6,797	7,504	2,373	9,877
Commercial	4,664	1,301	5,965	7,391	1,084	8,475	8,879	1,026	9,905
Institutional	3,858	1,416	5,274	7,130	1,990	9,120	9,843	2,071	11,914
Other Building Construction.....	5,083	518	5,601	3,010	468	3,478	2,393	493	2,886
Total Engineering Construction	26,642	7,294	33,936	23,287	7,673	30,960	31,557	7,628	39,185
Marine Construction.....	3,379	949	4,328	5,009	969	5,978	4,713	826	5,539
Road, Highway and Aerodrome Construction	11,038	3,830	14,868	9,251	3,995	13,246	8,932	4,018	12,950
Waterworks and Sewage Systems	798	405	1,203	913	453	1,366	1,169	489	1,658
Dams and Irrigation	439	189	628	83	100	183	522	46	568
Electric Power Construction	5,464	676	6,140	4,347	621	4,968	4,421	640	5,061
Railway, Telephone and Telegraph.....	2,239	966	3,205	748	1,276	2,024	8,704	1,196	9,900
Gas and Oil Facilities	1,002	62	1,064	897	69	966	1,322	183	1,505
Other Engineering Construction.....	2,283	217	2,500	2,039	190	2,229	1,774	230	2,004

TABLE 20. Prince Edward Island

(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	12,636	4,543	17,179	12,732	4,440	17,172	12,489	4,209	16,698
Total Building Construction	7,330	1,886	9,216	5,524	1,755	7,279	6,596	1,763	8,359
Residential	2,300	500	2,800	1,600	300	1,900	1,300	300	1,600
Industrial	159	199	358	80	230	310	56	208	264
Commercial	2,833	286	3,121	1,818	218	2,036	1,607	235	1,842
Institutional	1,188	199	1,387	1,074	257	1,331	1,923	248	2,171
Other Building Construction.....	850	700	1,550	952	750	1,702	1,710	772	2,482
Total Engineering Construction	5,306	2,657	7,963	7,208	2,685	9,893	5,893	2,446	8,339
Marine Construction.....	454	483	937	1,194	508	1,702	1,102	514	1,616
Road, Highway and Aerodrome Construction	3,201	1,177	4,378	3,213	1,054	4,267	3,560	1,041	4,601
Waterworks and Sewage Systems	64	98	162	80	72	152	27	72	99
Dams and Irrigation	159	25	184	52	27	79	54	28	82
Electric Power Construction	511	167	678	1,438	117	1,555	325	136	461
Railway, Telephone and Telegraph.....	334	473	807	688	692	1,380	398	453	851
Gas and Oil Facilities	219	3	222	34	1	35	13	2	15
Other Engineering Construction.....	364	231	595	509	214	723	414	200	614

1. Actual 1955, Preliminary 1956, Intentions 1957.

TABLE 21. Nova Scotia
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	105,113	37,115	142,228	112,152	35,613	147,765	106,505	36,582	143,087
Total Building Construction	60,703	16,799	77,502	61,667	17,218	78,885	62,164	18,062	80,226
Residential	31,800	4,900	36,700	30,000	4,900	34,900	25,600	5,500	31,100
1 Dwellings, single, double, duplexes and apartments	31,800	4,900	36,700	30,000	4,900	34,900	25,600	5,500	31,100
Industrial	2,050	4,957	7,007	3,583	5,255	8,838	6,289	5,511	11,800
2 Factories, plants, workshops, food canneries	1,594	4,425	6,019	1,965	4,443	6,408	3,444	4,725	8,169
3 Mine and mine mill buildings	236	95	331	1,224	103	1,327	2,502	207	2,709
4 Railway stations, offices, roadway buildings	132	285	417	237	440	677	206	343	549
5 Railway shops, engine houses, water and fuel stations	88	152	240	157	269	426	137	236	373
Commercial	10,383	2,948	13,331	11,610	3,035	14,645	15,044	3,003	18,047
6 Warehouses, storehouses, refrigerated storage, etc.	2,025	712	2,737	2,246	746	2,992	1,484	662	2,146
7 Grain elevators	70	49	119	58	46	104	733	5	738
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	153	191	344	166	175	341	304	177	481
9 Office buildings	2,525	1,027	3,552	5,111	1,237	6,348	6,733	1,234	7,967
10 Stores, retail and wholesale	4,005	697	4,702	3,292	609	3,901	4,494	643	5,137
11 Garages and service stations	1,077	118	1,195	732	132	864	1,181	186	1,367
12 Theatres, arenas, amusement and recreational buildings	340	144	484	5	77	82	115	69	184
13 Laundries and dry cleaning establishments	188	10	198	—	13	13	—	27	27
Institutional	8,767	1,488	10,255	10,291	1,441	11,732	10,978	1,406	12,384
14 Schools and other educational buildings	5,743	600	6,343	6,382	665	7,047	5,426	678	6,104
15 Churches and other religious buildings	235	476	711	597	375	972	3,221	333	3,554
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	2,097	297	2,394	3,215	297	3,512	2,267	305	2,572
17 Other institutional buildings	692	115	807	97	104	201	64	90	154
Other Building Construction	7,703	2,506	10,209	6,183	2,587	8,770	4,253	2,642	6,895
18 Farm Buildings (excluding dwellings)	1,515	1,066	2,581	1,527	1,071	2,598	1,627	1,103	2,730
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	2,088	82	2,170	1,832	82	1,914	513	91	604
20 Aeroplane hangars	1,057	94	1,151	264	98	362	26	99	125
21 Passenger terminals, bus, boat or air	—	—	—	7	19	26	1	8	9
22 Armouries, barracks, drill halls, etc.	2,546	778	3,324	2,059	816	2,875	966	829	1,795
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	239	165	404	241	163	404	253	170	423
24 Other building construction	258	321	579	253	338	591	867	342	1,209
Total Engineering Construction	44,410	20,316	64,726	50,485	18,395	68,880	44,341	18,520	62,861
Marine Construction	6,608	1,541	8,149	6,591	1,551	8,142	5,556	1,436	6,992
25 Docks, wharves, piers, breakwaters	4,679	1,214	5,893	5,125	1,052	6,177	4,968	947	5,915
26 Retaining walls, embankments, ripraping	307	46	353	571	49	620	20	49	69
27 Canals and waterways	—	10	10	1	11	12	—	11	11
28 Dredging and pile driving	343	71	414	753	90	843	487	75	562
29 Dyke construction	895	84	979	—	88	88	—	90	90
30 Logging booms	63	18	81	77	24	101	68	25	93
31 Other marine construction	321	98	419	64	237	301	13	239	252

TABLE 21. Nova Scotia — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	10,631	8,735	19,386	14,496	5,079	19,575	15,682	6,099	21,731
32 Hard surfaced or paved streets, highways, parking lots, etc.	8,025	1,833	9,858	11,399	4,217	15,616	12,302	5,219	17,521
33 Gravel or stone streets, highways, roads, parking lots, etc.	899	6,314	7,213	516	419	935	283	419	702
34 Dirt, clay or other streets, roads, parkfng lots, etc.	304	501	805	792	332	1,124	443	346	789
35 Grading, scraping, oiling, filling	74	44	118	97	45	142	28	46	74
36 Sidewalks, paths	511	33	544	741	35	776	592	38	630
37 Aerodromes, landing fields, runways, tarmac	818	30	848	951	31	982	2,034	31	2,065
Waterworks and Sewage Systems	1,544	468	2,012	1,342	473	1,815	2,787	525	3,312
38 Tile drains, drainage ditches, storm sewers	115	39	154	1	36	37	2	40	42
39 Water mains, hydrants and services	793	319	1,112	580	304	884	1,600	300	1,900
40 Sewage systems and connections	514	76	590	760	98	858	1,103	151	1,254
41 Pumping stations, water	73	31	104	1	32	33	49	26	75
42 Water storage tanks	49	3	52	—	3	3	33	8	41
Dams and Irrigation	167	102	269	527	145	672	1,313	158	1,471
43 Dams and reservoirs	65	53	118	411	95	506	399	106	505
44 Irrigation and land reclamation projects	102	49	151	116	50	166	914	52	966
Electric Power Construction	4,411	966	5,377	4,710	1,289	5,999	6,694	1,271	7,965
45 Electric power generating plants, including water, conveying and controlling structures	1,574	186	1,760	1,476	178	1,654	3,097	241	3,338
46 Electric transformer stations	87	27	114	263	31	294	397	38	435
47 Power transmission and distribution lines, trolley wires	2,714	667	3,381	2,900	915	3,815	3,122	815	3,937
48 Street lighting	36	86	122	71	165	236	78	177	255
Railway, Telephone and Telegraph	4,223	4,929	9,152	4,887	6,124	11,011	4,042	4,987	9,029
49 Railway tracks and roadbed	1,910	3,964	5,874	2,511	4,787	7,298	2,171	3,749	5,920
50 Signals and interlockers	39	79	118	87	158	245	81	127	208
51 Telegraph and telephone lines, underground and marine cables	2,274	886	3,160	2,289	1,179	3,468	1,790	1,111	2,901
Gas and Oil Facilities	12,832	1,001	13,853	12,288	496	12,784	3,220	531	3,751
52 Gas mains and services	—	—	—	—	—	—	—	—	—
53 Pumping stations, oil	9	—	9	—	—	—	—	—	—
54 Pumping stations, gas	237	—	237	—	—	—	—	—	—
55 Oil storage tanks	50	22	72	87	11	98	32	28	60
56 Gas storage tanks	—	—	—	44	—	44	1,038	31	1,069
57 Oil pipe lines	—	—	—	—	—	—	—	—	—
58 Gas pipe lines	—	—	—	—	—	—	—	—	—
59 Oil wells	—	—	—	—	—	—	—	—	—
60 Gas wells	—	—	—	—	—	—	—	—	—
61 Oil refinery —processing units	12,556	979	13,535	12,157	485	12,642	2,150	472	2,622
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	3,974	2,554	6,528	5,644	3,238	8,882	5,047	3,513	8,560
63 Bridges, trestles, culverts, overpasses, viaducts	3,107	1,867	4,974	3,291	2,399	5,690	3,234	2,374	5,608
64 Tunnels and subways	9	12	21	12	10	22	2	14	16
65 Incinerators	1	13	14	94	13	107	966	14	980
66 Park systems, landscaping, sodding, etc.	117	84	201	2	90	92	2	94	96
67 Swimming pools, tennis courts, outdoor recreation facilities ...	2	9	11	—	9	9	32	10	42
68 Mine shafts and other below surface workings	311	243	554	355	352	707	199	652	851
69 Fences, snowsheds, signs, guard rails	185	253	438	127	286	413	154	273	427
70 Other engineering construction	242	73	315	1,763	79	1,842	458	82	540

TABLE 22. New Brunswick
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	121,940	32,089	154,029	128,637	38,525	167,162	121,283	38,252	159,535
Total Building Construction	71,713	12,622	84,335	69,861	12,677	82,538	70,609	15,104	85,713
Residential	33,100	4,800	37,900	31,500	5,100	36,600	35,700	7,600	43,300
1 Dwellings, single, double, duplexes and apartments	33,100	4,800	37,900	31,500	5,100	36,600	35,700	7,600	43,300
Industrial	3,551	2,861	6,412	5,465	2,607	8,072	4,404	2,217	6,621
2 Factories, plants, workshops, food canneries	2,920	1,801	4,721	2,919	1,185	4,104	3,594	987	4,581
3 Mine and mine mill buildings	189	41	230	1,894	19	1,913	177	10	187
4 Railway stations, offices, roadway buildings	238	558	796	371	781	1,152	317	651	968
5 Railway shops, engine houses, water and fuel stations	204	461	665	281	622	903	316	569	885
Commercial	11,536	2,130	13,666	15,811	2,024	17,835	11,127	2,106	13,233
6 Warehouses, storehouses, refrigerated storage, etc.	3,015	407	3,422	2,465	422	2,887	1,495	343	1,838
7 Grain elevators	3	114	117	22	48	70	175	37	212
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	1,189	257	1,446	1,360	56	1,416	113	243	356
9 Office buildings	2,050	637	2,687	2,287	767	3,054	3,054	706	3,760
10 Stores, retail and wholesale	3,704	503	4,207	2,345	531	2,876	3,704	521	4,225
11 Garages and service stations	1,238	93	1,331	5,490	161	5,651	1,859	197	2,056
12 Theatres, arenas, amusement and recreational buildings	291	85	376	1,835	23	1,858	727	32	759
13 Laundries and dry cleaning establishments	46	34	80	7	18	23	—	27	27
Institutional	8,950	1,023	9,973	9,718	1,066	10,784	14,277	1,286	15,563
14 Schools and other educational buildings	3,675	305	3,980	4,652	416	5,068	5,312	455	5,767
15 Churches and other religious buildings	1,298	188	1,486	635	97	732	659	112	771
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	3,318	374	3,692	4,111	409	4,520	7,610	549	8,159
17 Other institutional buildings	659	156	815	320	144	464	696	170	866
Other Building Construction	14,576	1,808	16,384	7,367	1,880	9,247	5,101	1,895	6,996
18 Farm buildings, (excluding dwellings)	1,461	959	2,440	1,456	988	2,444	1,557	1,018	2,575
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	2,053	92	2,145	1,564	75	1,639	1,698	69	1,767
20 Aeroplane hangars	414	255	669	45	267	312	29	272	301
21 Passenger terminals, bus, boat or air	—	—	—	—	—	—	—	—	—
22 Armouries, barracks, drill halls, etc.	10,213	198	10,411	3,441	207	3,648	1,377	210	1,587
23 Bunkhouses, dormitories, comp cookeries, bush depots and camps	396	295	691	570	289	859	382	304	686
24 Other building construction	19	9	28	291	54	345	58	22	80
Total Engineering Construction	50,227	19,467	69,694	58,776	23,848	84,624	50,674	23,148	73,822
Marine Construction	884	2,259	3,113	4,696	2,631	7,327	3,821	2,621	6,442
25 Docks, wharves, piers, breakwaters	312	1,281	1,593	3,141	1,612	4,753	2,572	1,631	4,203
26 Retaining walls, embankments, ripraping	7	10	17	569	12	581	—	2	2
27 Canals, and waterways	—	7	7	—	—	—	—	—	—
28 Dredging and pile driving	15	765	780	748	813	1,561	1,046	781	1,827
29 Dyke construction	331	74	405	8	66	74	7	72	79
30 Logging booms	152	43	195	168	54	222	148	63	211
31 Other marine construction	67	79	146	62	74	136	48	72	120

TABLE 22. New Brunswick — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	14,173	6,534	20,707	13,693	10,514	24,207	13,756	9,498	23,254
32 Hard surfaced or paved streets, highways, parking lots, etc.	8,901	244	9,145	11,270	9,465	20,735	10,280	8,429	18,709
33 Gravel or stone streets, highways, roads, parking lots, etc.	3,392	5,667	9,059	1,265	637	1,902	680	607	1,287
34 Dirt, clay or other streets, roads, parking lots, etc.	1,169	560	1,729	852	397	1,249	1,156	430	1,586
35 Grading, scraping, oiling, filling	—	3	3	40	4	44	489	3	492
36 Sidewalks, paths	149	60	209	138	11	149	123	29	152
37 Aerodromes, landing fields, runways, tarmac	562	—	562	128	—	128	1,028	—	1,028
Waterworks and Sewage Systems	1,396	553	1,949	1,673	602	2,273	1,437	698	2,135
38 Tile drains, drainage ditches, storm sewers	54	4	58	272	13	285	233	12	245
39 Water mains, hydrants and services	668	489	1,157	683	470	1,153	669	568	1,237
40 Sewage systems and connections	638	53	691	686	103	789	534	113	647
41 Pumping stations, water	36	5	41	1	15	16	1	5	6
42 Water storage tanks	—	2	2	31	1	32	—	—	—
Dams and Irrigation	5,911	91	6,002	555	90	645	861	98	959
43 Dams and reservoirs	5,817	47	5,864	313	47	360	108	53	161
44 Irrigation and land reclamation projects	94	44	138	242	43	285	753	45	798
Electric Power Construction	9,499	826	10,325	22,482	616	23,098	16,624	600	17,224
45 Electric power generating plants, including water conveying and controlling structures	5,611	219	5,830	13,488	303	13,791	10,956	281	11,237
46 Electric transformer stations	886	8	894	1,472	28	1,500	872	26	898
47 Power transmission and distribution lines, trolley wires	2,930	591	3,521	7,490	268	7,758	4,755	276	5,031
48 Street lighting	72	8	80	32	17	49	41	17	58
Railway, Telephone and Telegraph	6,324	7,448	13,772	6,942	9,190	16,132	6,694	7,470	14,164
49 Railway tracks and roadbed	3,320	6,315	9,635	4,079	7,379	11,458	3,473	6,085	9,558
50 Signals and interlockers	60	231	291	141	322	463	129	279	408
51 Telegraph and telephone lines, underground and marine cables	2,944	902	3,846	2,722	1,489	4,211	3,092	1,106	4,198
Gas and Oil Facilities	56	28	84	616	29	645	324	93	417
52 Gas mains and services	—	9	9	—	8	8	—	9	9
53 Pumping stations, oil	—	—	—	—	—	—	—	—	—
54 Pumping stations, gas	—	—	—	—	—	—	—	—	—
55 Oil storage tanks	—	19	19	409	12	421	89	8	97
56 Gas storage tanks	9	—	9	167	3	170	210	70	280
57 Oil pipe lines	29	—	29	—	—	—	—	—	—
58 Gas pipe lines	—	—	—	—	—	—	—	—	—
59 Oil wells	—	—	—	20	—	20	—	—	—
60 Gas wells	18	—	18	20	6	26	25	6	31
61 Oil refinery — processing units	—	—	—	—	—	—	—	—	—
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	11,984	1,728	13,712	8,119	2,176	10,295	7,137	2,070	9,227
63 Bridges, trestles, culverts, overpasses, viaducts	1,334	1,360	2,694	2,786	1,727	4,513	5,046	1,594	6,640
64 Tunnels and subways	7	12	19	4	22	26	4	42	46
65 Incinerators	—	32	32	—	20	20	—	10	10
66 Park systems, landscaping, sodding, etc.	36	54	90	25	50	75	20	53	73
67 Swimming pools, tennis courts, outdoor recreation facilities	20	—	20	—	—	—	63	15	78
68 Mine shafts and other below surface workings	774	41	815	1,756	—	1,756	984	12	996
69 Fences, snowsheds, signs, guard rails	309	229	538	197	307	504	198	285	483
70 Other engineering construction	9,504	—	9,504	3,351	50	3,401	842	59	901

TABLE 23. Quebec
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	1,062,576	244,017	1,306,593	1,263,057	267,222	1,530,279	1,307,836	263,007	1,570,843
Total Building Construction	717,964	151,109	869,073	835,195	166,225	1,021,420	734,513	159,523	894,036
Residential	399,300	66,300	465,600	472,400	76,600	549,000	336,100	71,500	407,600
1 Dwellings, single, double, duplexes and apartments	399,300	66,300	465,600	472,400	76,600	549,000	336,100	71,500	407,600
Industrial	72,839	28,012	100,871	104,205	30,345	134,550	106,450	30,380	136,830
2 Factories, plants, workshops, food canneries	65,165	21,672	86,837	90,308	22,777	113,085	89,838	23,151	112,989
3 Mine and mine mill buildings	5,019	2,129	7,148	11,019	2,570	13,589	12,883	2,578	15,461
4 Railway stations, offices, roadway buildings	1,222	2,310	3,532	1,351	2,245	3,596	1,091	1,928	3,019
5 Railway shops, engine houses, water and fuel stations	1,453	1,901	3,354	1,527	2,753	4,280	2,638	2,723	5,361
Commercial	86,565	18,269	104,834	130,599	21,690	152,289	144,610	20,616	165,226
6 Warehouses, storehouses, refrigerated storage, etc	14,946	2,588	17,534	15,079	3,078	18,157	18,494	3,074	21,568
7 Grain elevators	427	452	879	1,910	441	2,351	7,970	690	8,660
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	7,355	2,305	9,660	12,955	2,412	15,367	15,563	2,469	18,032
9 Office buildings	25,229	5,276	30,505	54,505	7,965	62,470	46,543	6,879	53,422
10 Stores, retail and wholesale	25,934	5,006	30,940	26,609	5,095	31,704	32,888	4,974	37,862
11 Garages and service stations	8,117	1,788	9,905	12,721	1,790	14,511	15,139	1,762	16,901
12 Theatres, arenas, amusement and recreational buildings	4,286	627	4,913	6,532	631	7,163	7,795	529	8,324
13 Laundries and dry cleaning establishments	271	227	498	288	278	566	218	239	457
Institutional	121,855	18,986	140,841	97,739	16,875	114,614	107,017	15,959	122,976
14 Schools and other educational buildings	51,934	6,908	58,842	46,457	6,821	53,278	44,311	6,637	50,948
15 Churches and other religious buildings	8,265	3,619	11,684	12,172	3,143	15,315	13,006	3,538	16,544
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	52,356	3,949	56,305	27,070	5,379	32,449	32,610	4,862	37,472
17 Other institutional buildings	9,300	4,510	13,810	12,040	1,532	13,572	17,090	922	18,012
Other Building Construction	37,383	19,542	56,927	50,252	20,715	70,967	40,336	21,068	61,404
18 Farm buildings (excluding dwellings)	17,349	12,581	29,930	19,102	13,922	33,024	20,148	14,345	34,493
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	4,844	210	5,054	21,680	254	21,934	9,592	271	9,863
20 Aeroplane hangars	772	164	936	1,572	247	1,819	3,690	161	3,851
21 Passenger terminals, bus, boat or air	1,087	20	1,107	384	18	402	—	26	26
22 Armouries, barracks, drill halls, etc.	10,051	2,667	12,716	1,525	2,751	4,276	1,453	2,603	4,256
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	2,983	1,793	4,776	4,870	1,312	6,182	4,897	1,259	6,156
24 Other building construction	299	2,107	2,406	1,119	2,211	3,330	556	2,203	2,759
Total Engineering Construction	344,612	92,908	437,520	407,862	100,987	508,859	573,323	103,484	676,807
Marine Construction	28,722	2,797	31,519	62,167	3,729	65,896	87,327	4,254	91,581
25 Docks, wharves, piers, breakwaters	5,784	958	6,742	11,727	1,149	12,876	10,698	976	11,674
26 Retaining walls, embankments, ripraping	922	113	1,035	234	247	481	1,263	324	1,587
27 Canals and waterways	2,399	680	3,079	1,106	367	1,473	698	358	1,056
28 Dredging and pile driving	6,643	213	6,856	11,918	335	12,253	20,567	1,294	21,861
29 Dyke construction	4,173	96	4,269	11,153	109	11,282	12,664	99	12,763
30 Logging booms	1,794	245	2,039	1,756	506	2,262	606	447	1,053
31 Other marine construction	7,007	492	7,499	24,273	1,016	25,289	40,831	756	41,587

TABLE 23. Quebec — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	76,763	31,840	108,603	85,849	30,892	116,741	92,638	35,440	128,078
32 Hard surfaced or paved streets, highways, parking lots, etc.....	33,943	12,406	46,349	62,973	22,333	85,306	65,982	27,437	93,419
33 Gravel or stone streets, highways, roads, parking lots, etc.....	19,403	10,881	30,284	9,457	5,465	14,922	10,202	4,464	14,666
34 Dirt, clay or other streets, roads, parking lots, etc.....	10,383	5,512	15,895	6,876	1,753	8,629	3,680	2,166	5,846
35 Grading, scraping, oiling, filling	7,803	2,294	10,097	805 ¹	573	1,381	736 ¹	574	1,310
36 Sidewalks, paths	3,212	706	3,918	4,518	720	5,238	5,845	747	6,592
37 Aerodromes, landing fields, runways, tarmac	2,019	41	2,060	1,217	48	1,265	6,193	52	6,245
Waterworks and Sewage Systems	35,539	5,580	41,119	40,625	6,369	46,994	57,977	6,541	64,518
38 Tile drains, drainage ditches, storm sewers.....	6,270	259	6,529	582	250	832	633	283	916
39 Water mains, hydrants and services	12,873	3,163	16,036	19,020	3,848	22,868	27,994	3,766	31,760
40 Sewage systems and connections	13,547	2,015	15,562	19,498	2,056	21,554	24,695	2,254	26,949
41 Pumping stations, water	1,538	45	1,583	866	192	1,058	740	201	941
42 Water storage tanks.....	1,311	98	1,409	659	23	682	3,915	37	3,952
Dams and Irrigation	8,279	971	9,250	11,525	1,245	12,770	14,344	1,161	15,505
43 Dams and reservoirs	7,214	620	7,834	10,341	763	11,104	13,100	761	13,861
44 Irrigation and land reclamation projects	1,065	351	1,416	1,184	482	1,866	1,244	400	1,644
Electric Power Construction	109,558	8,121	117,679	113,703	9,080	122,783	205,221	10,989	216,210
45 Electric power generating plants, including water conveying and controlling structures	36,893	2,440	39,333	46,122	2,604	48,726	110,850	3,627	114,477
46 Electric transformer stations	18,511	1,288	19,799	19,454	1,654	21,108	23,634	1,808	25,442
47 Power transmission and distribution lines, trolley wires	52,057	3,094	55,151	46,054	3,523	49,577	68,082	4,296	72,378
48 Street lighting	2,097	1,299	3,396	2,073	1,299	3,372	2,655	1,258	3,913
Railway, Telephone and Telegraph	28,810	30,130	58,940	35,669	34,291	69,960	42,307	30,962	73,269
49 Railway tracks and roadbed	9,985	21,861	31,846	15,005	23,811	38,816	13,648	20,904	34,552
50 Signals and interlockers	376	973	1,349	862	1,137	1,999	719	1,058	1,777
51 Telegraph and telephone lines, underground and marine cables	18,449	7,298	25,745	19,802	9,343	29,145	27,940	9,000	36,940
Gas and Oil Facilities	32,000	5,303	37,303	22,600	6,088	28,688	18,404	5,091	23,495
52 Gas mains and services	2,147	464	2,611	1,635	508	2,143	291	27	318
53 Pumping stations, oil	209	132	341	187	44	231	157	49	206
54 Pumping stations, gas	147	—	147	68	—	68	22	—	22
55 Oil storage tanks	2,236	171	2,407	1,990	78	2,068	2,966	92	3,058
56 Gas storage tanks	660	24	684	677	34	711	1,064	61	1,125
57 Oil pipe lines	3,344	98	3,440	1,438	55	1,493	582	57	639
58 Gas pipe lines	47	31	78	—	23	23	—	23	23
59 Oil wells	—	—	—	72	—	72	184	1	185
60 Gas wells	—	—	—	140	—	140	235	1	236
61 Oil refinery — processing units	23,209	4,384	27,593	16,393	5,346	21,739	12,903	4,780	17,683
62 Natural gas cleaning plants	1	1	2	—	—	—	—	—	—
Other Engineering Construction	24,941	8,166	33,107	35,724	9,303	45,027	55,105	9,046	64,151
63 Bridges, trestles, culverts, overpasses, viaducts	13,641	4,271	17,912	16,013	4,817	20,830	32,963	4,522	37,485
64 Tunnels and subways	1,479	123	1,602	1,511	148	1,659	1,889	182	2,071
65 Incinerators	98	73	171	174	79	253	477	84	561
66 Park systems, landscaping, sodding, etc.....	1,412	786	2,198	1,947	840	2,787	3,312	813	4,125
67 Swimming pools, tennis courts, outdoor recreation facilities	587	500	1,087	308	509	1,317	1,110	515	1,625
68 Mine shafts and other below surface workings	5,343	505	5,848	8,165	630	8,795	9,880	736	10,616
69 Fences, snowsheds, signs, guard rails	1,249	1,703	2,952	1,425	1,935	3,360	1,576	1,878	3,454
70 Other engineering construction	1,132	205	1,337	5,681	345	6,026	3,898	316	4,214

1. Figures for grading for 1956 and 1957 have been largely included with the type of road to which the grading applies.

TABLE 24. Ontario
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	1,488,099	381,236	1,869,335	1,794,835	399,185	2,194,020	1,987,290	411,387	2,398,677
Total Building Construction	1,112,815	213,605	1,326,420	1,235,410	222,524	1,457,934	1,187,174	234,120	1,421,294
Residential	605,900	94,500	700,400	601,600	97,600	699,200	506,700	107,700	614,400
1 Dwellings, single, double, duplexes and apartments	605,900	94,500	700,400	601,600	97,600	699,200	506,700	107,700	614,400
Industrial	137,865	45,058	182,923	229,260	51,362	280,622	213,740	49,968	263,708
2 Factories, plants, workshops, food canneries	120,565	35,971	156,536	166,349	38,555	204,904	160,541	38,189	198,730
3 Mine and mine mill buildings	14,188	3,079	17,267	57,248	3,430	60,678	48,157	3,536	51,693
4 Railway stations, offices, roadway buildings	1,815	3,571	5,386	3,638	5,961	9,599	3,432	5,084	8,516
5 Railway shops, engine houses, water and fuel stations	1,297	2,437	3,734	2,025	3,416	5,441	1,610	3,159	4,769
Commercial	175,719	34,408	210,127	196,182	32,688	228,870	245,268	34,587	279,855
6 Warehouses, storehouses, refrigerated storage, etc	27,461	3,939	31,400	24,585	4,337	28,922	35,292	4,105	39,397
7 Grain elevators	690	682	1,372	721	709	1,430	387	565	952
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	9,577	3,305	12,882	18,825	3,808	22,633	27,114	6,165	33,279
9 Office buildings	50,850	11,997	62,847	65,401	11,646	77,047	85,527	11,509	97,036
10 Stores, retail and wholesale	66,464	10,647	77,111	56,041	8,052	64,093	62,976	8,163	71,139
11 Garages and service stations	14,039	2,734	16,773	19,572	3,119	22,691	19,799	3,299	23,098
12 Theatres, arenas, amusement and recreational buildings	6,394	865	7,259	10,633	788	11,421	14,118	559	14,677
13 Laundries and dry cleaning establishments	244	239	483	404	229	633	55	222	277
Institutional	142,241	15,953	158,194	143,072	16,051	159,123	172,969	15,801	188,770
14 Schools and other educational buildings	70,948	6,705	77,653	79,476	6,733	86,209	89,379	6,581	95,960
15 Churches and other religious buildings	14,257	2,338	16,595	10,656	1,945	12,601	13,070	1,942	15,012
16 Hospitals, sanatoria, clinics, first-aid stations, etc	41,165	3,905	45,070	41,122	4,078	45,200	49,667	3,972	53,639
17 Other institutional buildings	15,871	3,005	18,876	11,818	3,295	15,113	20,853	3,306	24,159
Other Building Construction	51,090	23,686	74,776	63,296	24,823	90,119	48,497	26,064	74,561
18 Farm buildings (excluding dwellings)	24,897	16,479	41,376	25,893	17,357	43,250	26,824	17,878	44,702
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	7,832	205	8,037	25,731	241	25,972	9,297	289	9,586
20 Aeroplane hangars	1,300	543	1,843	2,031	420	2,451	1,926	612	2,538
21 Passenger terminals, bus, boat or air	323	21	344	162	43	205	1	211	212
22 Armouries, barracks, drill halls, etc	10,716	4,896	15,612	2,927	5,014	7,941	3,652	5,076	8,728
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	3,562	1,025	4,587	4,455	1,077	5,532	4,616	1,278	5,894
24 Other building construction	2,460	517	2,977	4,097	671	4,768	2,181	720	2,901
Total Engineering Construction	375,284	167,631	542,915	559,425	176,661	736,086	800,116	177,267	977,383
Marine Construction	13,541	4,298	17,819	21,829	3,809	25,638	39,263	4,070	43,333
25 Docks, wharves, piers, breakwaters	4,051	1,395	5,446	5,178	1,106	6,284	5,210	1,406	6,616
26 Retaining walls, embankments, ripraping	271	151	422	1,812	212	2,024	450	160	610
27 Canals and waterways	601	859	1,460	840	850	1,690	659	878	1,537
28 Dredging and pile driving	7,088	1,211	8,299	7,522	1,218	8,740	25,891	1,229	27,120
29 Dyke construction	—	—	—	849	30	879	1,911	48	1,959
30 Logging booms	273	232	505	442	238	680	367	212	579
31 Other marine construction	1,257	450	1,707	5,186	155	5,341	4,775	137	4,912

TABLE 24. Ontario — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	108,673	59,911	168,584	138,015	57,368	195,383	154,403	65,461	219,864
32 Hard surfaced or paved streets, highways, parking lots, etc.	59,958	40,734	100,692	73,876	32,226	106,102	81,930	38,430	120,360
33 Gravel or stone streets, highways, roads, parking lots, etc.	37,498	11,644	49,142	53,908	19,409	73,317	56,356	21,179	77,535
34 Dirt, clay or other streets, roads, parking lots, etc.	1,815	3,102	4,917	3,563	2,710	6,273	2,741	2,409	5,150
35 Grading, scraping, oiling, filling	1,498	2,693	4,191	634	1,850	2,484	842	2,234	3,076
36 Sidewalks, paths	3,551	1,448	4,999	4,162	1,022	5,184	3,974	1,047	5,021
37 Aerodromes, landing fields, runways, tarmac	4,353	290	4,643	1,872	151	2,023	8,560	162	8,722
Waterworks and Sewage Systems	50,580	7,143	57,723	67,716	8,483	76,199	100,884	9,001	109,885
38 Tile drains, drainage ditches, storm sewers	8,785	928	9,713	3,133	2,179	5,312	2,892	2,453	5,345
39 Water mains, hydrants and services	15,649	3,597	19,246	17,946	3,487	21,433	26,225	3,528	31,753
40 Sewage systems and connections	22,055	2,044	24,099	35,397	2,447	37,844	60,246	2,588	62,834
41 Pumping stations, water	2,541	537	3,078	10,172	338	10,510	8,681	386	9,067
42 Water storage tanks	1,550	37	1,587	1,068	32	1,100	840	46	886
Dams and Irrigation	4,735	921	5,656	7,455	1,010	8,465	9,194	983	10,177
43 Dams and reservoirs	3,447	229	3,676	6,117	281	6,398	7,794	232	8,026
44 Irrigation and land reclamation projects	1,288	692	1,980	1,338	729	2,067	1,400	751	2,151
Electric Power Construction	87,380	17,350	104,730	151,467	19,725	171,192	193,444	21,155	216,599
45 Electric power generating plants, including water conveying and controlling structures	40,372	3,384	43,756	85,244	3,931	89,175	114,291	4,222	118,513
46 Electric transformer stations	6,996	2,441	9,437	16,763	2,292	19,055	22,460	2,456	24,916
47 Power transmission and distribution lines, trolley wires	38,300	10,765	49,065	47,795	11,445	59,240	57,019	12,448	69,467
48 Street lighting	1,712	760	2,472	1,665	2,057	3,722	1,674	2,029	3,703
Railway, Telephone and Telegraph	54,956	59,121	114,077	73,374	65,462	138,776	62,910	55,029	117,939
49 Railway tracks and roadbed	22,610	45,250	67,860	38,282	48,383	86,665	28,964	39,195	68,159
50 Signals and interlockers	1,029	1,831	2,860	1,547	2,072	3,619	1,893	1,805	3,698
51 Telegraph and telephone lines, underground and marine cables	31,317	12,040	43,357	33,545	14,947	48,492	32,053	14,029	46,082
Gas and Oil Facilities	16,132	9,337	25,469	42,929	8,515	51,444	158,259	8,711	166,970
52 Gas mains and services	4,970	671	5,641	10,664	1,069	11,733	13,938	1,160	15,098
53 Pumping stations, oil	177	200	377	748	180	928	1,093	188	1,281
54 Pumping stations, gas	278	20	298	—	—	—	1	19	20
55 Oil storage tanks	2,077	920	2,997	4,366	607	4,973	10,614	346	10,960
56 Gas storage tanks	373	358	731	1,022	342	1,364	753	608	1,361
57 Oil pipe lines	277	415	692	2,099	269	2,368	10,024	317	10,341
58 Gas pipe lines	1,882	713	2,585	1,475	444	1,919	85,503	344	85,847
59 Oil wells	51	—	51	399	10	409	490	11	501
60 Gas wells	1,027	124	1,151	760	152	912	755	157	912
61 Oil refinery — processing units	5,019	5,901	10,920	21,396	5,442	26,838	35,088	5,561	40,649
62 Natural gas cleaning plants	1	15	16	—	—	—	—	—	—
Other Engineering Construction	39,287	9,550	48,837	56,640	12,349	68,989	79,759	12,857	92,616
63 Bridges, trestles, culverts, overpasses, viaducts	24,817	4,290	29,107	31,793	6,217	38,010	42,419	5,846	48,265
64 Tunnels and subways	264	104	368	878	135	1,013	2,433	230	2,663
65 Incinerators	204	180	384	226	220	446	1,224	143	1,367
66 Park systems, landscaping, sodding, etc.	918	1,061	1,979	461	966	1,427	338	1,048	1,386
67 Swimming pools, tennis courts, outdoor recreation facilities	277	117	394	59	155	214	156	129	285
68 Mine shafts and other below surface workings	8,450	246	8,696	16,713	275	16,988	28,044	302	28,346
69 Fences, snowsheds, signs, guard rails	1,994	3,315	5,309	2,435	3,476	5,911	2,356	3,385	5,741
70 Other engineering construction	2,363	237	2,600	2,075	905	2,980	2,789	1,774	4,563

TABLE 25. Manitoba
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	198,581	58,832	257,433	242,776	68,129	310,905	290,472	68,835	359,307
Total Building Construction	133,039	30,625	163,664	146,154	32,678	178,832	145,493	35,453	180,948
Residential	70,900	11,200	82,100	69,300	11,200	80,500	66,700	14,200	80,900
1 Dwellings, single, double, duplexes and apartments	70,900	11,200	82,100	69,300	11,200	80,500	66,700	14,200	80,900
Industrial	7,723	5,569	13,292	8,475	6,084	14,559	12,829	5,652	18,481
2 Factories, plants, workshops, food canneries	6,389	3,070	9,459	6,735	2,863	9,598	10,042	2,671	12,713
3 Mine and mine mill buildings	506	164	670	392	141	533	773	132	905
4 Railway stations, offices, roadway buildings	413	1,157	1,570	763	1,567	2,330	791	1,362	2,153
5 Railway shops, engine houses, water and fuel stations	415	1,178	1,593	585	1,513	2,098	1,223	1,487	2,710
Commercial	20,640	4,758	25,398	28,190	5,569	33,759	32,170	5,473	37,643
6 Warehouses, storehouses, refrigerated storage, etc.	3,519	656	4,175	5,568	751	6,319	2,119	659	2,778
7 Grain elevators	2,035	582	2,617	1,359	593	1,952	767	573	1,340
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	544	700	1,244	3,970	899	4,869	6,830	1,001	7,831
9 Office buildings	4,979	889	5,868	7,378	1,390	8,768	10,768	1,386	12,154
10 Stores, retail and wholesale	6,521	1,402	7,923	6,567	1,448	8,015	7,313	1,330	8,643
11 Garages and service stations	2,725	350	3,075	1,375	342	1,717	1,663	364	2,027
12 Theatres, arenas, amusement and recreational buildings	204	104	308	1,919	74	1,993	2,646	101	2,747
13 Laundries and dry cleaning establishments	113	75	188	54	72	126	64	59	123
Institutional	17,856	2,582	20,438	19,025	2,588	21,613	20,787	2,684	23,471
14 Schools and other educational buildings	8,568	1,589	10,157	8,747	1,640	10,387	10,378	1,659	12,037
15 Churches and other religious buildings	778	181	957	1,163	125	1,288	2,179	119	2,298
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	6,646	588	7,234	8,347	595	8,942	7,385	715	8,100
17 Other institutional buildings	1,866	224	2,090	768	228	996	845	191	1,036
Other Building Construction	15,920	6,516	22,436	21,164	7,237	28,401	13,009	7,444	20,453
18 Farm buildings (excluding dwellings)	6,253	4,566	10,819	7,219	5,395	12,614	7,680	5,558	13,238
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	936	152	1,088	10,344	7	10,351	2,519	30	2,549
20 Aeroplane hangars	401	209	610	1,961	228	2,189	1,008	236	1,244
21 Passenger terminals, bus, boat or air	—	—	—	—	49	49	35	48	83
22 Armouries, barracks, drill halls, etc.	7,331	1,374	8,705	1,060	1,441	2,501	1,090	1,460	2,550
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	300	191	491	132	85	217	197	76	273
24 Other building construction	699	24	723	448	32	480	480	36	516
Total Engineering Construction	65,542	28,227	93,769	96,622	35,451	132,073	144,977	33,382	178,359
Marine Construction	246	423	669	204	526	730	216	578	794
25 Docks, wharves, piers, breakwaters	135	158	293	81	252	333	149	211	360
26 Retaining walls, embankments, ripraping	13	3	16	53	1	54	14	22	36
27 Canals and waterways	—	19	19	—	19	19	—	20	20
28 Dredging and pile driving	38	229	267	22	240	262	—	262	262
29 Dyke construction	1	—	1	—	—	—	—	—	—
30 Logging booms	57	9	66	40	9	49	50	9	59
31 Other marine construction	2	5	7	8	5	13	3	54	57

TABLE 25. Manitoba — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction.....	18,372	3,441	21,813	30,980	6,516	37,496	34,585	6,894	41,479
32 Hard surfaced or paved streets, highways, parking lots, etc.	7,113	2,082	9,195	14,305	1,396	15,701	10,245	1,571	11,816
33 Gravel or stone streets, highways, roads, parking lots, etc.	2,564	725	3,289	4,400	3,126	7,526	7,853	3,208	11,061
34 Dirt, clay or other streets, roads, parking lots, etc.	557	179	736	10,671	877	11,548	10,680	1,828	12,508
35 Grading, scraping, oiling, filling	5,572	378	5,950	572	963	1,535	269	111	380
36 Sidewalks, paths	217	36	253	378	112	490	1,169	124	1,293
37 Aerodromes, landing fields, runways, tarmac.....	2,349	41	2,390	654	42	696	4,369	52	4,421
Waterworks and Sewage Systems	3,486	836	4,322	5,537	1,285	6,822	8,889	1,254	10,143
38 Tile drains, drainage ditches, storm sewers	352	52	404	964	176	1,140	956	151	1,107
39 Water mains, hydrants and services	1,685	669	2,354	1,401	778	2,179	1,688	768	2,456
40 Sewage systems and connections	1,367	106	1,473	3,003	304	3,307	5,811	296	6,107
41 Pumping stations, water	44	9	53	142	26	168	432	39	471
42 Water storage tanks	38	—	38	27	1	28	2	—	2
Dams and Irrigation	617	403	1,020	1,725	1,069	2,794	1,169	931	2,100
43 Dams and reservoirs	139	256	395	130	313	443	46	50	96
44 Irrigation and land reclamation projects	478	147	625	1,595	756	2,351	1,123	881	2,004
Electric Power Construction	11,624	1,321	12,945	13,036	1,438	14,474	19,080	1,403	20,483
45 Electric power generating plants, including water conveying and controlling structures.....	2,488	218	2,706	4,079	480	4,559	11,332	510	11,892
46 Electric transformer stations	16	43	59	2,549	177	2,726	2,585	189	2,774
47 Power transmission and distribution lines, trolley wires.....	8,957	1,004	9,961	6,326	720	7,046	5,070	657	5,727
48 Street lighting	163	56	219	82	61	143	43	47	90
Railway, Telephone and Telegraph.....	9,785	17,702	27,487	15,236	19,399	34,635	16,932	17,091	34,023
49 Railway tracks and roadbed	4,208	14,435	18,643	8,428	15,003	23,431	8,689	12,812	21,501
50 Signals and interlockers	125	305	430	303	635	938	430	575	1,005
51 Telegraph and telephone lines, underground and marine cables	5,452	2,962	8,414	6,505	3,761	10,266	7,813	3,704	11,517
Gas and Oil Facilities	16,088	921	17,009	21,657	824	22,481	55,026	1,100	56,126
52 Gas mains and services.....	1,058	—	1,058	1,728	—	1,728	2,666	—	2,666
53 Pumping stations, oil	505	170	675	298	216	514	575	238	813
54 Pumping stations, gas	—	—	—	44	—	44	35	—	35
55 Oil storage tanks	825	73	898	1,762	26	1,790	641	32	673
56 Gas storage tanks.....	7	—	7	74	—	74	34	8	42
57 Oil pipe lines	505	65	570	4,960	206	5,166	1,618	205	1,823
58 Gas pipe lines	—	—	—	6,656	—	6,656	40,020	—	40,020
59 Oil wells	6,649	187	6,836	5,410	110	5,520	5,249	56	5,305
60 Gas wells	—	—	—	—	—	—	—	—	—
61 Oil refinery — processing units	6,539	426	6,965	725	264	989	4,186	561	4,749
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction.....	5,324	3,180	8,504	8,247	4,394	12,641	9,080	4,131	13,211
63 Bridges, trestles, culverts, overpasses, viaducts.....	2,698	905	3,603	4,139	1,731	5,870	4,325	1,431	5,756
64 Tunnels and subways	10	18	28	18	51	69	145	101	246
65 Incinerators	—	—	—	—	13	13	—	15	15
66 Park systems, landscaping, sodding, etc.	109	75	184	96	75	171	207	74	281
67 Swimming pools, tennis courts, outdoor recreation facilities.....	32	6	38	—	6	6	37	7	44
68 Mine shafts and other below surface workings.....	1,407	482	1,889	2,549	563	3,112	2,850	559	3,409
69 Fences, snowsheds, signs, guard rails	543	750	1,293	530	936	1,466	528	920	1,448
70 Other engineering construction.....	525	944	1,469	915	1,019	1,934	988	1,024	2,012

TABLE 26. Saskatchewan
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	217,391	63,024	280,415	290,285	72,801	363,086	282,136	71,622	353,758
Total Building Construction	118,870	30,729	149,599	123,449	32,569	156,018	113,200	32,809	146,009
Residential	49,500	7,800	57,300	42,500	6,900	49,400	35,900	7,600	43,500
1 Dwellings, single, double, duplexes and apartments	49,500	7,800	57,300	42,500	6,900	49,400	35,900	7,600	43,500
Industrial	5,233	2,917	8,150	18,130	3,660	21,790	7,085	3,165	10,250
2 Factories, plants, workshops, food canneries	2,425	1,233	3,658	10,874	1,235	12,109	4,547	1,011	5,558
3 Mine and mine mill buildings	2,182	167	2,349	6,070	—	6,234	1,445	167	1,612
4 Railway stations, offices, roadway buildings	355	912	1,267	750	1,435	2,185	715	1,222	1,937
5 Railway shops, engine houses, water and fuel stations	271	605	876	436	826	1,262	378	765	1,143
Commercial	22,278	5,710	27,988	21,303	5,986	27,289	23,180	5,718	28,898
6 Warehouses, storehouses, refrigerated storage, etc.	3,897	610	4,507	2,454	469	2,923	2,482	465	2,947
7 Grain elevators	3,807	2,368	6,175	4,182	2,315	6,497	3,159	2,124	5,283
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	384	563	947	733	705	1,438	408	621	1,029
9 Office buildings	6,371	795	7,166	6,683	1,220	7,903	5,433	1,168	6,601
10 Stores, retail and wholesale	6,478	1,121	7,599	4,915	1,006	5,921	7,894	1,063	8,957
11 Garages and service stations	521	122	643	1,605	175	1,780	3,440	182	3,622
12 Theatres, arenas, amusement and recreational buildings	778	95	873	711	84	795	328	83	411
13 Laundries and dry cleaning establishments	42	36	78	20	12	32	36	12	48
Institutional	25,063	3,655	28,718	23,994	3,505	27,499	29,245	3,439	32,684
14 Schools and other educational buildings	13,659	2,193	15,852	13,700	1,890	15,590	11,924	2,035	13,959
15 Churches and other religious buildings	1,067	152	1,219	1,530	265	1,795	810	108	918
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	8,133	983	9,116	8,375	1,088	9,463	13,256	1,068	14,324
17 Other institutional buildings	2,204	327	2,531	389	262	651	3,255	228	3,483
Other Building Construction	16,796	10,647	27,443	17,522	12,518	30,040	17,790	12,887	30,677
18 Farm buildings (excluding dwellings)	13,252	9,800	23,052	15,449	11,492	26,941	16,235	11,840	28,075
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	2,587	36	2,623	1,266	43	1,309	879	46	925
20 Aeroplane hangars	347	141	488	—	150	150	212	151	363
21 Passenger terminals, bus, boat or air	20	—	20	2	30	32	—	39	39
22 Armouries, barracks, drill halls, etc.	252	584	836	64	610	674	—	614	614
23 Bunkhouses, dormitories, camp cookeries, busb depots and camps	303	77	380	674	179	853	317	183	500
24 Other building construction	35	9	44	67	14	81	147	14	161
Total Engineering Construction	98,521	32,295	130,816	166,836	40,232	207,068	168,936	38,813	207,749
Marine Construction	94	41	135	178	118	296	158	106	264
25 Docks, wharves, piers, breakwaters	49	31	80	115	109	224	110	97	207
26 Retaining walls, embankments, riprappling	3	—	3	—	—	—	13	—	13
27 Canals and waterways	12	2	14	—	—	—	—	—	—
28 Dredging and pile driving	—	—	—	—	2	2	—	1	1
29 Dyke construction	—	—	—	—	7	41	30	8	38
30 Logging booms	30	8	38	34	7	41	30	8	38
31 Other marine construction	—	—	—	9	—	9	—	—	—

TABLE 26. Saskatchewan — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	16,905	8,446	25,351	23,113	12,417	35,530	24,285	12,666	36,951
32 Hard surfaced or paved streets, highways, parking lots, etc.	8,361	2,080	10,441	8,544	3,235	11,779	8,471	3,723	12,194
33 Gravel or stone streets, highways, roads, parking lots, etc.	5,082	2,220	7,302	9,471	6,772	16,243	9,970	6,337	16,307
34 Dirt, clay or other streets, roads, parking lots, etc.	1,260	475	1,735	3,079	2,181	5,260	2,968	2,319	5,287
35 Grading, scraping, oiling, filling	92	3,573	3,665	97	24	121	73	33	106
36 Sidewalks, paths	1,574	87	1,661	1,199	184	1,383	850	214	1,064
37 Aerodromes, landing fields, runways, tarmac	536	11	547	723	21	744	1,953	40	1,993
Waterworks and Sewage Systems	4,547	849	5,396	9,072	1,683	10,755	7,105	1,588	8,693
38 Tile drains, drainage ditches, storm sewers	1,546	34	1,580	640	345	985	885	330	1,215
39 Water mains, hydrants and services	1,760	546	2,306	3,147	617	3,764	1,818	649	2,467
40 Sewage systems and connections	1,225	167	1,392	4,545	488	5,033	3,965	477	4,442
41 Pumping stations, water	11	100	111	711	232	943	141	128	269
42 Water storage tanks	5	2	7	29	1	30	296	4	300
Dams and Irrigation	1,682	818	2,500	2,237	925	3,162	3,810	1,009	4,819
43 Dams and reservoirs	759	382	1,141	31	418	449	61	429	490
44 Irrigation and land reclamation projects	923	436	1,359	2,206	507	2,713	3,749	580	4,329
Electric Power Construction	10,727	1,719	12,446	15,992	1,390	17,382	26,128	1,577	27,705
45 Electric power generating plants, including water conveying and controlling structures	667	468	1,135	6,013	338	6,351	14,653	441	15,094
46 Electric transformer stations	142	55	197	181	6	187	100	8	108
47 Power transmission and distribution lines, trolley wires	9,731	1,058	10,789	9,600	840	10,440	11,131	912	12,043
48 Street lighting	187	138	325	198	206	404	244	216	460
Railway, Telephone and Telegraph	9,912	14,814	24,726	14,371	16,213	30,584	13,786	13,945	27,731
49 Railway tracks and roadbed	4,487	13,140	17,627	8,479	13,308	21,787	7,547	11,234	18,781
50 Signals and interlockers	130	231	361	301	602	903	366	534	900
51 Telegraph and telephone lines, underground and marine cables	5,295	1,443	6,738	5,591	2,303	7,894	5,873	2,177	8,050
Gas and Oil Facilities	47,814	2,361	50,375	93,852	2,949	96,801	87,449	3,589	91,038
52 Gas mains and services	2,079	7	2,086	3,435	13	3,448	5,442	15	5,457
53 Pumping stations, oil	549	219	768	398	323	721	1,148	391	1,539
54 Pumping stations, gas	16	—	16	—	—	—	500	—	500
55 Oil storage tanks	2,981	97	3,078	2,567	137	2,704	2,319	194	2,513
56 Gas storage tanks	13	7	20	77	8	83	34	14	48
57 Oil pipe lines	4,447	127	4,574	7,371	121	7,492	10,359	169	10,528
58 Gas pipe lines	6,926	8	6,932	40,448	12	40,460	22,300	12	22,312
59 Oil wells	28,107	536	28,643	38,259	917	39,176	43,294	1,022	44,316
60 Gas wells	255	11	266	269	1	270	275	1	276
61 Oil refinery — processing units	2,441	1,551	3,992	1,028	1,419	2,447	1,703	1,771	3,474
62 Natural gas cleaning plants	—	—	—	—	—	—	75	—	75
Other Engineering Construction	6,840	3,047	9,887	8,021	4,537	12,558	6,215	4,333	10,548
63 Bridges, trestles, culverts, overpasses, viaducts	1,386	582	1,968	1,974	1,693	3,667	1,458	1,368	2,826
64 Tunnels and subways	15	19	34	135	44	179	445	87	532
65 Incinerators	1	—	1	41	70	111	9	100	109
66 Park systems, landscaping, sodding, etc.	71	29	100	16	30	46	7	29	36
67 Swimming pools, tennis courts, outdoor recreation facilities	1	—	1	—	—	—	20	—	20
68 Mine shafts and other below surface workings	3,998	433	4,431	4,630	416	5,046	3,160	477	3,637
69 Fences, snowsheds, signs, guard rails	1,176	1,836	3,012	918	2,052	2,970	941	2,059	3,000
70 Other engineering construction	192	148	340	307	232	539	175	213	386

TABLE 27. Alberta
(Thousands of dollars)

TABLE 27. Alberta — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	53,458	15,761	69,219	64,250	18,932	83,182	62,097	18,658	80,755
32 Hard surfaced or paved streets, highways, parking lots, etc.	17,940	4,216	22,156	37,204	4,129	41,333	36,511	4,409	40,920
33 Gravel or stone streets, highways, roads, parking lots, etc.	19,352	8,755	28,107	15,661	11,778	27,439	14,366	11,403	25,769
34 Dirt, clay or other streets, roads, parking lots, etc.	4,575	2,435	7,010	4,424	2,119	6,543	3,807	1,924	5,731
35 Grading, scraping, oiling, filling	8,376	118	8,494	3,490	570	4,060	3,283	571	3,854
36 Sidewalks, paths	2,229	209	2,438	3,103	305	3,408	2,772	321	3,093
37 Aerodromes, landing fields, runways, tarmac	986	28	1,014	368	31	399	1,358	30	1,388
Waterworks and Sewage Systems	18,167	1,815	19,982	25,497	2,148	27,645	23,022	2,167	25,189
38 Tile drains, drainage ditches, storm sewers	6,203	342	6,545	499	82	581	233	74	307
39 Water mains, hydrants and services	5,656	1,086	6,742	5,752	1,069	6,821	7,041	1,097	8,138
40 Sewage systems and connections	6,098	358	6,456	17,427	872	18,299	15,155	869	16,024
41 Pumping stations, water	188	29	217	1,701	124	1,825	190	127	317
42 Water storage tanks	22	—	22	118	1	119	403	—	403
Dams and Irrigation	6,962	822	7,784	7,816	887	8,733	7,713	1,021	8,734
43 Dams and reservoirs	1,256	259	1,515	767	258	1,025	599	382	981
44 Irrigation and land reclamation projects	5,706	563	6,269	7,079	629	7,708	7,114	639	7,753
Electric Power Construction	15,578	2,000	17,578	19,823	2,319	22,142	19,623	2,595	22,218
45 Electric power generating plants, including water conveying and controlling structures	5,998	202	6,200	5,135	263	5,398	5,276	252	5,528
46 Electric transformer stations	998	174	1,172	2,265	130	2,395	2,401	147	2,548
47 Power transmission and distribution lines, trolley wires	7,627	1,469	9,096	11,235	1,777	13,012	10,699	2,007	12,706
48 Street lighting	955	155	1,110	1,188	149	1,337	1,247	189	1,436
Railway, Telephone and Telegraph	9,763	15,764	25,527	14,981	15,022	30,003	18,335	12,690	31,025
49 Railway tracks and roadbed	4,373	13,632	18,005	8,883	12,903	21,786	10,152	10,759	20,911
50 Signals and interlockers	79	319	398	368	517	885	434	477	911
51 Telegraph and telephone lines, underground and marine cables	5,311	1,813	7,124	5,730	1,602	7,332	7,749	1,454	9,203
Gas and Oil Facilities	159,998	6,824	166,822	202,362	7,359	209,721	193,085	8,344	201,429
52 Gas mains and services	2,067	271	2,338	2,211	513	2,724	2,482	564	3,046
53 Pumping stations, oil	2,474	220	2,694	1,914	305	2,219	5,253	342	5,595
54 Pumping stations, gas	10	10	20	5	7	12	—	9	9
55 Oil storage tanks	5,125	312	5,437	6,890	166	7,058	5,205	191	5,396
56 Gas storage tanks	—	—	—	67	1	68	97	17	114
57 Oil pipe lines	12,563	342	12,905	13,051	401	13,452	8,282	469	6,751
58 Gas pipe lines	7,136	472	7,608	12,995	420	13,415	27,105	473	27,578
59 Oil wells	103,746	2,146	105,894	135,201	2,642	138,043	109,969	3,355	113,324
60 Gas wells	11,148	94	11,242	10,301	91	10,392	13,330	127	13,457
61 Oil refinery — processing units	13,386	2,782	16,168	6,044	2,423	8,467	7,777	2,359	10,136
62 Natural gas cleaning plants	2,343	173	2,516	13,683	188	13,871	13,585	438	14,023
Other Engineering Construction	11,345	4,599	15,944	13,149	6,568	19,717	15,561	6,608	22,169
63 Bridges, tresties, culverts, overpasses, viaducts	7,789	3,017	10,806	10,191	4,623	14,814	12,189	4,611	16,800
64 Tunnels and subways	194	33	227	38	60	98	346	104	450
65 Incinerators	21	3	24	—	—	—	—	—	—
66 Park systems, landscaping, sodding, etc.	359	182	541	260	179	439	420	176	596
67 Swimming pools, tennis courts, outdoor recreation facilities	—	26	26	95	27	122	69	28	97
68 Mine shafts and other below surface workings	—	45	45	—	43	43	—	42	42
69 Fences, snowsheds, signs, guard rails	881	1,188	2,069	1,117	1,369	2,486	1,054	1,365	2,419
70 Other engineering construction	2,101	105	2,206	1,448	267	1,715	1,483	282	1,765

TABLE 28. British Columbia
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	469,534	112,619	582,153	706,705	123,192	829,897	775,436	122,627	898,063
Total Building Construction	297,122	56,675	353,797	350,101	59,903	410,004	361,339	59,364	420,703
Residential	168,100	26,400	194,500	173,200	28,100	201,300	138,600	29,500	168,100
1 Dwellings, single, double, duplexes and apartments	168,100	26,400	194,500	173,200	28,100	201,300	138,600	29,500	168,100
Industrial	38,865	9,251	48,116	66,756	11,276	78,032	79,708	10,079	89,787
2 Factories, plants, workshops, food canneries	37,518	7,505	45,021	63,833	8,816	72,649	75,046	7,782	82,828
3 Mine and mine mill buildings	566	517	1,083	1,160	367	1,527	1,848	351	2,199
4 Railway stations, offices, roadway buildings	443	833	1,276	1,319	1,416	2,735	1,907	1,291	3,198
5 Railway shops, engine houses, water and fuel stations	340	396	736	444	677	1,121	907	855	1,562
Commercial	34,452	8,331	42,783	45,923	9,185	55,108	66,031	8,193	74,224
6 Warehouses, storehouses, refrigerated storage, etc.	7,652	1,273	8,925	8,693	1,228	9,919	14,429	1,355	15,784
7 Grain elevators	912	86	980	1,428	478	1,906	260	134	394
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	2,120	1,893	3,813	1,527	1,570	3,097	1,135	1,418	2,551
9 Office buildings	11,053	2,303	13,356	18,204	2,227	20,431	18,939	2,290	21,229
10 Stores, retail and wholesale	9,124	1,819	10,943	10,696	2,511	13,207	22,479	2,012	24,491
11 Garages and service stations	2,326	799	3,125	3,845	756	4,601	7,140	631	7,771
12 Theatres, arenas, amusement and recreational buildings	1,098	221	1,319	1,410	285	1,695	1,603	264	1,867
13 Laundries and dry cleaning establishments	167	155	322	120	132	252	46	91	137
Institutional	44,780	7,061	51,841	42,486	5,239	47,725	60,961	5,591	66,552
14 Schools and other educational buildings	24,885	1,923	26,788	26,584	2,588	29,172	31,037	2,944	33,981
15 Churches and other religious buildings	1,486	186	1,674	2,281	160	2,441	2,171	210	2,381
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	10,403	1,678	12,081	11,546	1,748	13,292	25,300	1,745	27,045
17 Other institutional buildings	8,026	3,272	11,298	2,075	745	2,820	2,453	692	3,145
Other Building Construction	10,925	5,632	16,557	21,736	6,103	27,839	16,039	6,001	22,040
18 Farm buildings (excluding dwellings)	3,252	2,537	5,789	3,528	2,826	6,354	3,761	2,907	6,868
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	998	365	1,363	8,874	418	7,292	5,673	581	6,254
20 Aeroplane hangars	172	33	205	325	76	401	1,709	58	1,767
21 Passenger terminals, bus, boat or air	48	3	51	302	9	311	488	8	494
22 Armouries, barracks, drill halls, etc.	3,260	1,098	4,358	1,439	1,150	2,589	484	1,164	1,848
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	2,613	1,403	4,016	6,718	1,368	8,084	1,845	1,065	2,910
24 Other building construction	582	193	775	2,550	258	2,808	2,079	220	2,299
Total Engineering Construction	172,412	55,944	228,356	356,604	63,289	419,893	414,097	63,263	477,360
Marine Construction	6,843	2,387	9,230	8,926	2,436	11,362	13,219	2,238	15,457
25 Docks, wharves, piers, breakwaters	4,149	1,277	5,426	4,629	1,327	5,956	10,317	1,200	11,517
26 Retaining walls, embankments, ripraping	361	62	423	687	13	700	268	10	278
27 Canals and waterways	194	—	194	72	—	72	—	—	—
28 Dredging and pile driving	1,548	745	2,293	3,046	746	3,792	2,106	743	2,849
29 Dyke construction	11	9	20	44	9	53	—	9	9
30 Logging booms	345	256	801	161	248	409	111	217	328
31 Other marine construction	235	38	273	287	93	380	417	59	476

TABLE 28. British Columbia — Concluded
(Thousands of dollars)

Type of structure	1955			1956			1957		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	45,995	20,355	66,350	65,367	21,819	87,186	75,986	21,446	97,432
32 Hard surfaced or paved streets, highways, parking lots, etc.	22,457	5,242	27,699	21,728	4,164	25,892	31,326	4,152	35,478
33 Gravel or stone streets, highways, roads, parking lots, etc.	8,472	7,728	16,200	24,485	9,644	34,129	18,230	9,423	27,653
34 Dirt, clay or other streets, roads, parking lots, etc.	6,170	4,718	10,888	9,531	4,140	13,671	11,011	3,948	14,959
35 Grading, scraping, oiling, filling	5,036	2,005	7,041	8,407	3,463	11,870	8,627	3,507	12,134
36 Sidewalks, paths	2,295	533	2,828	880	280	1,160	952	281	1,233
37 Aerodromes, landing fields, runways, tarmac	1,565	129	1,694	336	128	464	5,840	135	5,975
Waterworks and Sewage Systems	11,093	3,687	14,780	15,213	4,340	19,553	16,186	5,005	21,191
38 Tile drains, drainage ditches, storm sewers	1,251	750	2,001	1,183	707	1,890	1,164	711	1,875
39 Water mains, hydrants and services	5,764	2,350	8,114	11,062	2,988	14,050	9,458	3,597	13,055
40 Sewage systems and connections	3,413	483	3,896	2,851	540	3,391	5,404	615	6,019
41 Pumping stations, water	266	91	357	102	105	207	91	81	172
42 Water storage tanks	389	13	412	15	—	15	69	1	70
Dams and Irrigation	5,342	314	5,656	21,323	180	21,503	11,838	283	12,121
43 Dams and reservoirs	4,446	198	4,644	19,551	108	19,659	9,985	209	10,194
44 Irrigation and land reclamation projects	896	116	1,012	1,772	72	1,844	1,853	74	1,927
Electric Power Construction	46,431	3,706	50,137	73,123	4,495	77,618	88,160	5,056	93,216
45 Electric power generating plants, including water conveying and controlling structures	19,728	588	20,316	27,261	1,098	28,359	44,894	1,109	46,003
46 Electric transformer stations	1,207	170	1,377	2,019	99	2,118	2,437	242	2,679
47 Power transmission and distribution lines, trolley wires	24,123	2,509	26,632	43,124	2,888	46,012	40,034	3,269	43,303
48 Street lighting	1,373	439	1,612	719	410	1,129	795	436	1,231
Railway, Telephone and Telegraph	17,560	17,245	34,805	35,428	18,929	54,357	54,076	18,187	72,183
49 Railway tracks and roadbed	9,624	13,657	23,281	24,770	14,662	39,452	39,835	13,783	53,618
50 Signals and interlockers	82	355	437	341	587	928	631	548	1,179
51 Telegraph and telephone lines, underground and marine cables ..	7,854	3,238	11,087	10,317	3,660	13,977	13,610	3,778	17,366
Gas and Oil Facilities	25,130	1,773	26,903	107,209	2,190	109,399	122,583	2,205	124,788
52 Gas mains and services	575	118	693	12,381	153	12,534	19,081	172	19,253
53 Pumping stations, oil	69	14	83	92	121	213	328	144	472
54 Pumping stations, gas	—	37	37	3,013	25	3,038	5,000	29	5,029
55 Oil storage tanks	2,005	143	2,148	1,684	207	1,891	3,544	202	3,746
56 Gas storage tanks	2	1	3	—	1	1	—	—	—
57 Oil pipe lines	391	299	690	246	242	488	54	290	344
58 Gas pipe lines	9,284	6	9,290	79,735	—	79,735	66,297	—	66,297
59 Oil wells	4,676	44	4,720	5,806	26	5,832	6,369	33	6,402
60 Gas wells	1,928	—	1,928	3,041	—	3,041	3,842	—	3,842
61 Oil refinery—processing units	6,200	1,111	7,311	1,211	1,415	2,626	3,068	1,335	4,403
62 Natural gas cleaning plants	—	—	—	—	—	—	15,000	—	15,000
Other Engineering Construction	14,018	6,477	20,495	30,015	8,900	38,913	32,049	8,923	40,972
63 Bridges, trestles, culverts, overpasses, viaducts	9,757	3,955	13,712	25,197	5,299	30,496	25,722	5,219	30,941
64 Tunnels and subways	888	98	986	1,165	58	1,223	2,041	125	2,166
65 Incinerators	58	979	1,037	80	11	91	27	12	39
66 Park systems, landscaping, sodding, etc.	137	554	691	503	628	1,131	327	613	1,140
67 Swimming pools, tennis courts, outdoor recreation facilities	5	23	28	64	7	71	39	16	55
68 Mine shafts and other below surface workings	1,754	61	1,615	1,621	74	1,695	1,960	119	2,079
69 Fences, snowsheds, signs, guard rails	1,035	743	1,778	400	556	956	433	549	982
70 Other engineering construction	384	64	448	985	2,267	3,252	1,500	2,070	3,570

STATISTICAL NOTES

1. Definitions

The purpose of this report is to provide statistics on all new and repair construction undertaken in Canada. By definition, therefore, the figures indicating the value of construction work performed include work done by the labour forces of industrial concerns, institutions, governments and individuals, in addition to that done by general, trade and subcontractors. The figures shown for the value of construction include all costs incurred, directly and indirectly, by the firm paying for the erection of a new structure. For instance, if all of the work put in place is done by a contractor, other cost items such as legal, architectural and engineering fees are included together with payments made to the contractor. Payments received by a contractor generally cover salaries and wages paid, cost of materials used and miscellaneous costs, such as

insurance, fuel, office expenses and taxes plus net profit, if any. In terms of cost, the essential difference between work done by contract and that done by the labour force of the firm paying for the work would be the net profit realized by the contractor.

New construction is comprised of all new work put in place, additions and major renovations, conversions and alterations where either a structural change takes place or the life of the structure is extended.

Repair construction includes minor renovations and alterations. As far as possible, snow removal, flushing and sanding of streets and general day-to-day maintenance such as char services are excluded.

2. Sources and Methods

The following is a general description of the various sources of information and methods used to derive the statistics presented in this report. It is hoped that with this information, users of these statistics will be better able to appraise their usefulness in various employments.

Total Value of Construction by Type of Structure

The statistics presented in this report are based largely on information received from firms and individuals paying for the work done. Most of the data on the value of construction by type of structure is the result of two separate surveys: (a) the capital expenditures survey which obtained this information from business firms, institutions and government-owned enterprises, (b) the construction survey of government departments which provided much of the remainder. In both these surveys respondents reported their total expenditures on new and repair construction by type of structure and, in addition, a breakdown of these totals into the value of work done by contract, and that done by their own labour force, the latter being the cost of own account work plus miscellaneous expenditures such as legal, architectural and engineering fees. Briefly, these are the sources used to obtain the total value of construction work by type of structure and the value done by construction contractors.

Of the total value of construction shown, 81 per cent is the result of direct surveys of business firms, institutions, government-owned enterprises and departments and of residential building activity. The remainder is estimated. A brief outline of the methods employed to make these estimates is given in the following paragraphs. For a more complete description of these methods, see pages 19 to 22 of the report "Private and Public Investment in Canada, Outlook 1957".

The value of work figures in the tables of this report are estimates. In order to approximate full coverage in an industry group, reported data were inflated to allow for those firms which did not report. In manufacturing, the method used to inflate the reported expenditures was to multiply the known expenditures by a factor obtained by dividing the total value of production in 1954 of all the firms in each industry by the corresponding 1954 total for the firms reporting in the 1957 survey. In carrying out this procedure it has been assumed that the proportion of production of the reporting establishments in both 1954 and 1957 has not changed significantly during the period and, further, that there is a close relationship between total value of production and expenditures on construction. In the utilities, trade, finance and institutional and commercial services sectors the same principle has been followed using appropriate basic data for the sector concerned. Expenditures reported by new establishments for which no production or other basic data are available, are included as "net additions". For some industries, which are not amenable to direct survey methods, independent estimates were made. Since reporting firms accounted for 81 per cent of the total, it is believed that the estimating procedure for the non-reporting firms and industries not covered by direct survey does not introduce any great margin of error into the total. Estimates for individual industries or regions are, of course, subject to greater error than the total figures for Canada.

Both the 1956 preliminary actual figures and the 1957 forecast estimates were reported by firms on the same questionnaire. With the reported figures covering both years coming from the same group of establishments and with the estimating techniques for non-reporting firms the same for each year, the

percentage change from 1956 to 1957 can be calculated with more precision than the absolute magnitude of expenditures in the two years.

Housing estimates were made on a different basis from those derived from information submitted directly by business or government agencies. Estimates of the value of residential construction for 1955 and 1956 were prepared by Central Mortgage and Housing Corporation. Appraisal of the probable volume of housing construction in 1957 were made by field representatives of the Central Mortgage and Housing Corporation who consulted local officials, builders, contractors, supply firms, and other individuals and firms concerned with future housing construction projects. Using information obtained from these sources and their own knowledge, the representatives of the Corporation made estimates of privately initiated housing for all municipalities in Canada with a population of 5,000 and over. The five regional offices and the head office of the Corporation checked these estimates. Independent estimates were made of privately initiated housing in areas with a population of less than 5,000, and of the total volume of public or government initiated housing likely to be undertaken. Finally, an allowance was made for conversions which amounted to a small part of the total. Allowing for probable changes in construction costs, estimates were then prepared for the value of new residential construction work performed and alterations and repair work likely to be undertaken in 1957.

Labour and Material Content

The estimates of labour and material content are derived from the application of ratios of these items to total value of work performed. The 1955 survey of construction contractors provided the basic data for deriving the ratios applied to break

down the total value of work done by contractors in the years 1955 to 1957. The ratios used to break down own account work were computed from information obtained in the capital expenditures and government departments surveys, wherein the respondent was requested to provide data on the costs involved in such work.

Indirect methods were also used in estimating the number of persons, working full-time, required to construct the facilities estimated to be erected in each of the years. In the 1951 to 1953 surveys, respondents were requested to report the average number of employees engaged in construction each month. In the 1954 and 1955 surveys they were asked to report the total number on the payroll during the last pay period of the month. From this point on, however, the same procedure was followed. The monthly data were summed and divided by 12 to compute the annual averages. To allow for non-response and non-coverage, this annual average number of employees of the reporting firms was "blown-up" by the relationship of estimated total salaries and wages to total salaries and wages of reporting firms. For working owners and partners reported in the contractors survey, salaries were imputed from data reported for salaried employees of construction firms and included in the labour content of the total value of work performed. The resulting figures therefore represent an estimate of the number of persons working full time throughout the year. The total number working at any given time may, of course, be above or below the average. In arriving at the average number for 1956 and 1957, an average annual earnings figure was computed from 1955, projected forward, and divided into the estimated total salaries and wages, including an allowance for working owners and partners, for these years.

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