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CONSTRUCTION IN CANADA
1954-1956

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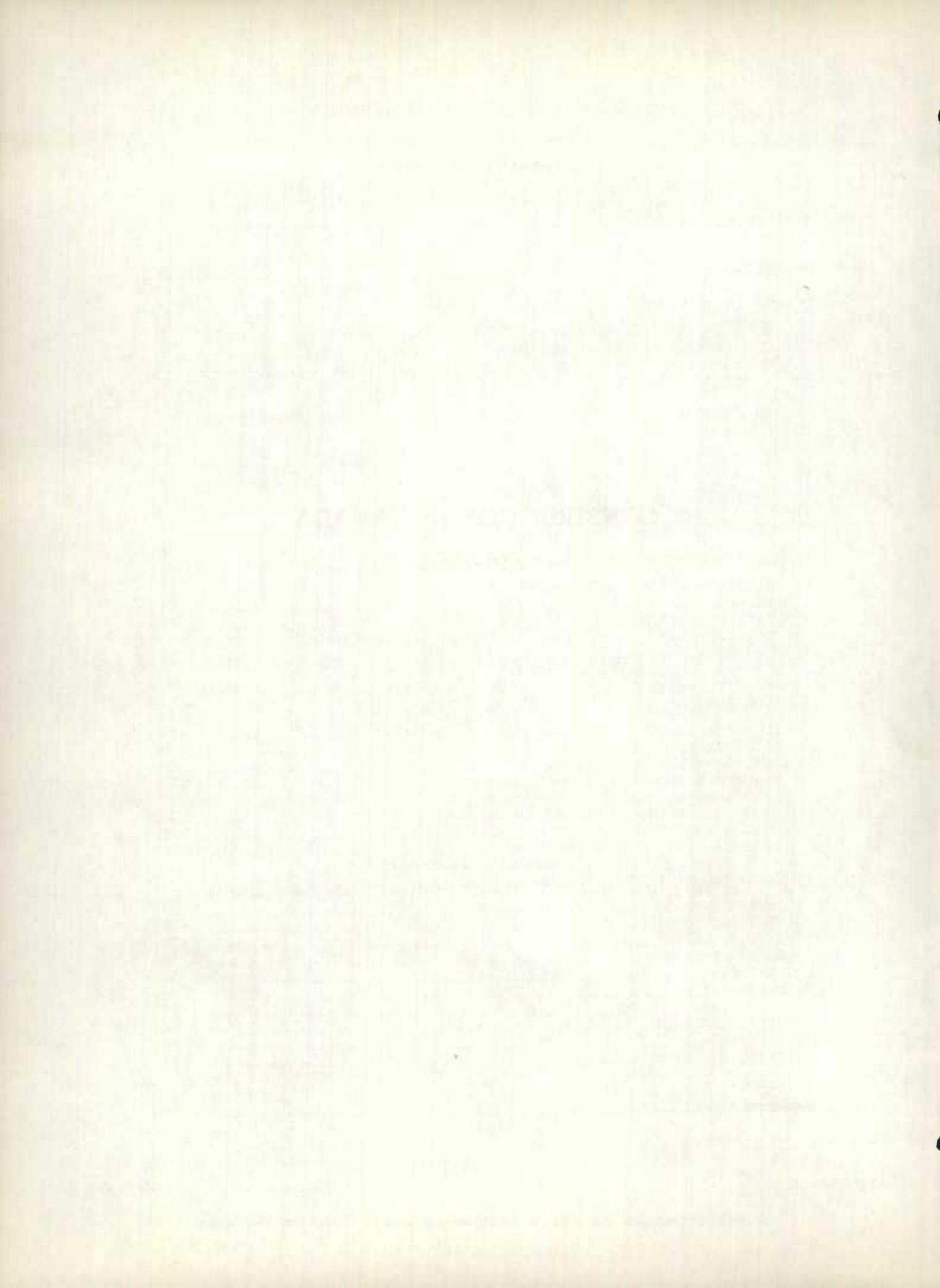
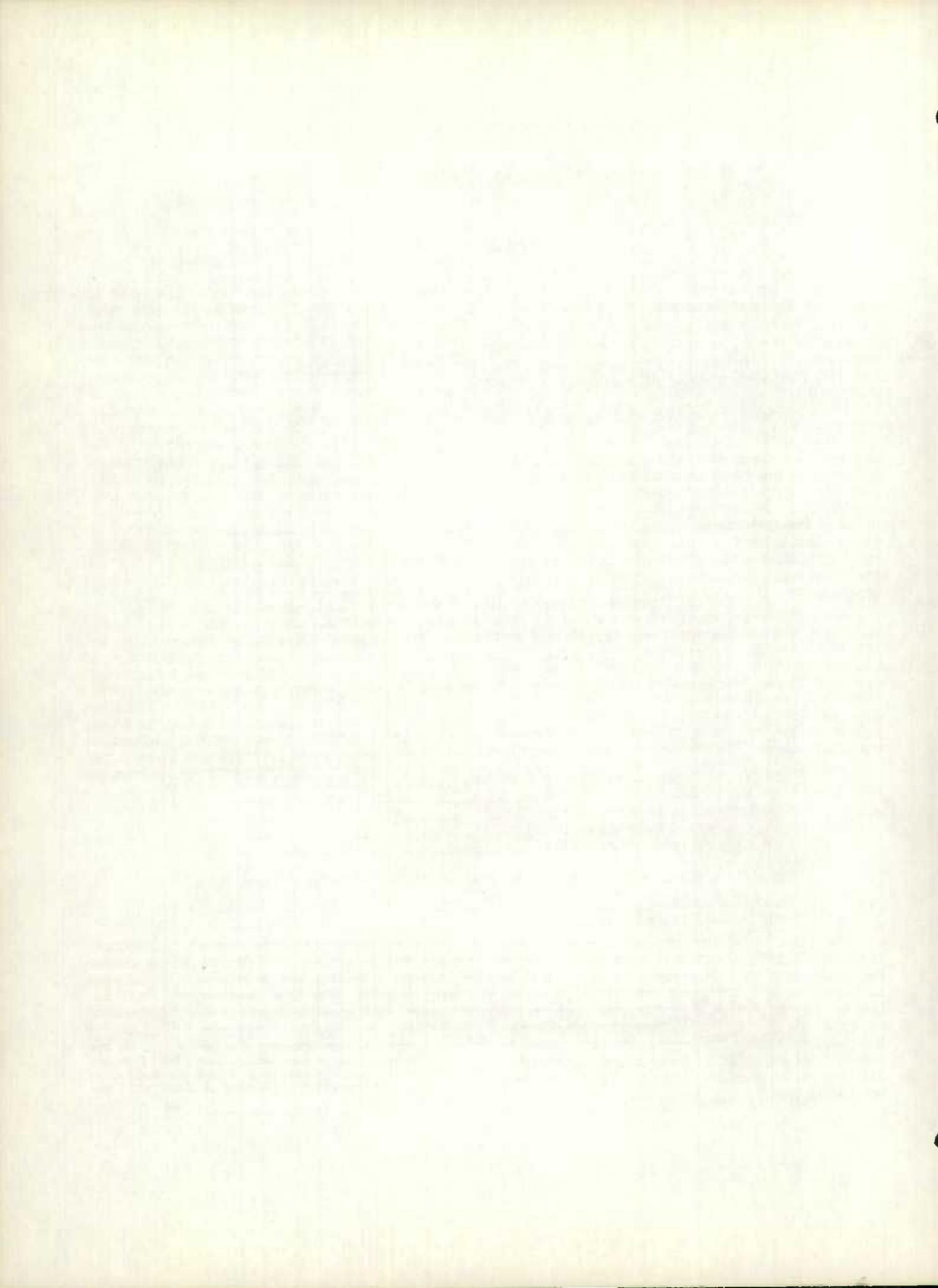


TABLE OF CONTENTS

	Page
Introduction	5
 General Review	5
Value of Construction Work Performed:	
1. Current and Constant Dollars 1947-1956	6
2. By Contractors and Others 1952-1956	7
3. By Principal Types of Construction 1952-1956	7
4. By Type of Structure, Total 1952-1956.....	8
Average Numbers Employed, Cost of Materials Used and Salaries and Wages Paid 1952-1956:	
5. By Provinces	10
6. By Contractors and Others	11
 Detailed Tables	12
Value of Construction Work Performed – Canada 1954-1956:	
7. By Type of Structure New and Repair.....	12
8. Dollar and Percentage Change by Type of Structure	14
9. By Principal Types of Construction for Industry or Sector	15
10. Dollar and Percentage Change by Principal Type of Construction for Indus- try or Sector	15
Value of Construction Work Performed by Type of Structure, Industry or Sector 1954-1956:	
11. Primary Industries	16
12. Manufacturing	18
13. Utilities.....	20
14. Trade Finance and Commercial Services	22
15. Government Departments 1954	15
16. Government Departments 1955	25
17. Government Departments 1956	26
18. Housing and Institutional Services	26
Value of Construction Work Performed by Type of Structure – Provinces 1954-1956:	
19. Newfoundland	27
20. Prince Edward Island	27
21. Nova Scotia.....	28
22. New Brunswick.....	30
23. Quebec.....	32
24. Ontario.....	34
25. Manitoba	36
26. Saskatchewan	38
27. Alberta.....	40
28. British Columbia	42
 Statistical Notes.....	44



CONSTRUCTION IN CANADA

1954-1956

INTRODUCTION

This report provides statistics on various aspects of construction activity in Canada for 1954 and 1955 together with estimates of the intended program for 1956. The figures for 1954 and earlier years are final while those for 1955 are preliminary and will be revised in the next annual report. The probable volume of construction that will be realized in 1956 can be appraised only in the light of past experience and conditions that will exist during the year. Since 1949, the estimates of intended construction for the current year have been from 3 per cent to 8 per cent lower than the final estimates prepared after the year was over, except in 1954 when the program fell short by 2 per cent of the intentions. In 1955, the estimate of the intended construction program was about 5 per cent lower than the preliminary estimate of work put in place during the year. 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 1956", 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 71 different types of structures, such as: factories, office buildings, retail and wholesale stores, schools, electric power plants, highways and railway track lines. Also included are statistics on average numbers employed, salaries and wages paid 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.

Prior to 1951, construction statistics of the type shown in this report were obtained from questionnaires received mainly from construction contractors. Because of the fact that these statistics are compiled from other sources and by different methods, they are not directly comparable with those contained in the reports entitled "The Construction Industry in Canada" the last of which covered the year 1950. A more detailed explanation of the differences in the two series is given in the statistical notes of the 1953-55 "Construction in Canada" report.

GENERAL REVIEW¹

The value of the intended construction program in Canada in 1956 is estimated at 19 per cent above the 1955 level. It is expected that nearly all the increase will be in industrial building and construction of an engineering type. Projects such as the St. Lawrence Seaway development and the gas pipe line to the Pacific Coast will add greatly to the volume of engineering construction. Residential building is anticipated to remain about the same level as in 1955.

The extent to which the planned construction program will be realized will depend upon a number of factors including the availability of building material, particularly steel and cement, funds for investment and, to some extent, skilled construction workers.

1. For a more detailed discussion of the outlook for the construction program and factors likely to affect the realization, see *Private and Public Investment in Canada, Outlook 1956*, Department of Trade and Commerce.

Value of Construction

The total construction program in 1956 is estimated at \$6,271 million, indicating an increase of 19 per cent over the 1955 accomplishment of \$5,286 million. New work will account for \$5,161 million and repair \$1,110 million. In dollar terms, the \$985 million rise in 1956 over 1955 would be the largest in the post war years, and represent the largest percentage increase since 1948. Total construction in 1954 amounted to \$4,723 million, 1.8 per cent over 1953. In 1955, the construction program advanced 11.9 per cent over the previous year, reaching \$5,286 million.

Year	Total new and repair construction \$ Mill.	% Increase over previous year in	
		Value	Volume
1947	2,016	25.5	-
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	5,286	11.9	7.8
1956	6,271	18.6	-

Volume of Construction

The volume of new construction carried out in 1954 increased 1 per cent over the previous year. Preliminary estimates for 1955 indicate a 12 per cent rise over 1954, bringing the volume of construction to a new high in post war years, of \$3,200 million expressed in constant (1949) dollars. Repair construction expenditures increased 5 per cent in 1954 to \$787 million but decreased 4 per cent in

1955. The importance of the construction industry in the economy of the country is illustrated by the fact that it continues to account for more than 18 per cent of Gross National Product. In 1954 the total construction program accounted for 18.5 per cent of the Gross National Product, and decreased slightly to 18.4 per cent in 1955.

TABLE 1. Construction Work Performed, Current and Constant (1949) Dollars, 1947-1956¹

	New		Repair		Total		Total construction as percentage of gross national product	
	Current	Constant	Current	Constant	Current	Constant	Current	Constant
							\$ Mill	
1947 ²	1,424	1,681	592	696	2,016	2,377	14.6	15.4
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	4,274	3,200	1,012	755	5,286	3,955	19.9	18.4
1956	5,161	-	1,110	-	6,271	-	-	-

1. Actual 1947-54, Preliminary Actual 1955, Intentions 1956.

2. Newfoundland not included in these years.

Value of Work Done by Contract

The estimates in the following table indicate that an increased proportion of total construction went to contractors in 1955 as compared with the previous three years and that a further slight increase is expected in 1956. From 1952 to 1954 contractors accounted for about 72 per cent of the work, whereas in 1955 and 1956 their share is estimated to be 76 per cent and 77 per cent respectively. New construction performed by contractors increased 1

per cent in 1954 from \$2,995 million in 1953. In 1955 18 per cent more work was performed by contractors and in 1956 estimates indicate that 20 per cent more work will be carried out by contract. In 1954, 31 per cent of all new work was performed by contractors. In 1955 this amount increased to 84 per cent and it is estimated that in 1956, again 84 per cent of all new construction will be built by contract.

TABLE 2. Value of Construction Work Performed, by Contractors and Others, 1952-1956¹
(Millions of dollars)

	Contract Construction			Other Construction ²			Total Construction		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
1952	2,641	386	3,027	641	530	1,171	3,282	916	4,198
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	3,598	409	4,007	676	603	1,279	4,274	1,012	5,286
1956	4,359	439	4,798	802	671	1,473	5,161	1,110	6,271

1. Actual 1952-54, Preliminary Actual 1955, Intentions 1956.

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

Most of the increase in construction in 1956 is expected to occur in engineering construction according to the figures in Table 3. The largest advances occur in gas and oil facilities which show an increase of \$149 million and electric power construction which is expected to be up by \$131 million, although all engineering categories register increases.

In building construction, industrial building estimated at \$554 million in 1956 is expected to show the largest increase over 1955 which was estimated at \$409 million. All other categories, however, show substantial gains. Housing continues to account for about 30 percent of total construction, 29.6 per cent in 1954, 32.8 per cent in 1955 and 29.1 per cent in 1956.

TABLE 3. Value of Construction Work Performed, by Principal Types of Construction, 1952-1956¹

	1952		1953		1954		1955		1956	
	Value	Percent of total								
Total Construction	\$ Mill	%								
Total Building Construction	4,199	100.0	4,640	100.0	4,723	100.0	5,286	100.0	6,271	100.0
Total Engineering	2,411	57.4	2,812	60.6	2,914	61.7	3,374	63.8	3,746	59.7
Residential.....	1,029	24.5	1,297	27.9	1,400	29.6	1,734	32.8	1,826	29.1
Industrial.....	422	10.0	402	8.7	364	7.7	409	7.7	554	8.8
Commercial	326	7.8	502	10.8	546	11.6	530	10.0	600	9.6
Institutional.....	314	7.5	343	7.4	377	8.0	461	8.7	509	8.1
Other.....	320	7.6	268	5.8	227	4.8	240	4.6	257	4.1
Total Engineering	1,788	42.6	1,828	39.4	1,809	38.3	1,912	36.2	2,525	40.3
Marine Construction.....	70	1.7	76	1.6	72	1.5	77	1.5	137	2.2
Road, Highway and Aerodrome Construction	488	11.6	457	9.9	473	10.0	508	9.6	596	9.5
Waterworks and Sewage Systems	136	3.2	135	2.9	183	3.9	182	3.4	209	3.3
Dams and Irrigation	66	1.6	66	1.4	33	0.7	30	0.6	59	1.0
Electric Power Construction.....	386	9.2	338	7.3	322	6.8	328	6.2	459	7.3
Railway, Telephone and Telegraph Construction	279	6.7	317	6.8	295	6.3	311	5.9	386	6.2
Gas and Oil Facilities.....	215	5.1	253	5.5	270	5.7	310	5.9	459	7.3
Other Engineering Construction.....	148	3.5	186	4.0	161	3.4	166	3.1	220	3.5

1. Actual 1952-54, Preliminary Actual 1955, Intentions 1956.

Employment, Salaries and Wages Paid and Cost of Materials Used

It is estimated that it will require an average of 648,545 employees to carry out the 1956 intended construction program. This would represent an increase of close to 100,000 additional employees

over the total of 550,230 during 1955. Construction workers in 1956 would earn about \$2,181 million as compared with an estimated \$1,832 million in 1955.

TABLE 4. Value of Construction Work Performed by Type of Structure, Total 1952-1956¹
(Thousands of dollars)

Type of structure	1952	1953	1954	1955	1956
Total Value of Construction	4,198,621	4,639,645	4,723,367	5,285,551	6,270,829
Total Building Construction	2,410,902	2,812,112	2,913,891	3,373,622	3,746,262
Residential	1,029,000	1,297,300	1,399,900	1,733,700	1,825,800
1 Dwellings, single, double, duplexes and apartments	1,029,000	1,297,300	1,399,900	1,733,700	1,825,800
Industrial	421,853	401,775	364,476	408,975	553,616
2 Factories, plants, workshops, food canneries	361,694	332,487	301,338	348,594	460,769
3 Mine and mine mill buildings	24,648	33,374	31,630	33,963	59,408
4 Railway stations, offices, roadway buildings	17,808	19,746	17,070	15,607	19,315
5 Railway shops, engine houses, water and fuel stations	17,703	16,168	14,438	10,811	14,124
Commercial	325,945	501,781	546,339	529,748	600,236
6 Warehouses, storehouses, refrigerated storage, etc.	71,924	115,726	93,641	81,448	99,400
7 Grain elevators	14,805	18,956	19,118	14,959	17,431
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	33,920	34,513	30,690	29,711	41,327
9 Office buildings	82,660	134,153	172,968	167,386	194,683
10 Stores, retail and wholesale	66,083	153,015	174,607	179,024	176,146
11 Garages and service stations	35,841	28,564	35,940	38,882	49,121
12 Theatres, arenas, amusement and recreational buildings	19,064	14,393	17,521	15,359	20,630
13 Laundries and dry cleaning establishments	1,648	2,461	1,854	2,979	1,498
Institutional	314,372	343,091	376,532	461,334	509,551
14 Schools and other educational buildings	152,201	156,161	175,734	224,424	244,773
15 Churches and other religious buildings	31,225	33,308	38,466	41,761	52,404
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	93,539	121,068	121,515	146,116	149,678
17 Other institutional buildings	37,407	32,554	40,817	49,033	62,696
Other Building Construction	319,732	268,165	226,644	239,865	257,059
18 Farm buildings (excluding dwellings)	130,036	135,167	130,860	135,740	141,592
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	60,288	30,388	20,235	20,543	24,286
20 Aeroplane hangars	23,366	32,920	12,178	11,003	15,296
21 Passenger terminals, bus, boat or air	676	1,737	1,031	696	869
22 Armouries, barracks, drill halls, etc.	85,001	44,022	35,886	37,016	41,730
23 Bunkhouses, dormitories, camp cookeries, bush depot and camps	19,437	12,794	10,722	19,327	17,108
24 Other building construction	928	11,137	15,732	15,540	16,178
Total Engineering Construction	1,787,719	1,827,533	1,809,476	1,911,929	2,524,567
Marine Construction	70,111	76,061	72,443	77,212	137,262
25 Docks, wharves, piers, breakwaters	38,731	45,826	39,606	35,486	51,887
26 Retaining walls, embankments, ripraping	3,309	5,465	2,390	2,208	2,371
27 Canals and waterways	9,170	3,569	6,373	11,388	38,932
28 Dredging and pile driving	12,750	9,015	17,025	20,270	35,850
29 Dyke construction	2,518	6,313	1,281	1,072	873
30 Logging booms	1,993	1,904	1,519	4,148	3,074
31 Other marine construction	1,640	3,969	4,249	2,640	4,095

1. Actual 1952-1954, Preliminary Actual 1955, Intentions 1956.

TABLE 4. Value of Construction Work Performed by Type of Structure, Total 1952-1956¹ — Concluded
(Thousands of dollars)

Type of structure	1952	1953	1954	1955	1956
Road, Highway and Aerodrome Construction	487,917	457,130	473,424	508,113	596,256
32 Hard surface or paved streets, highways, parking lots, etc.	197,271	190,456	207,575	223,362	259,409
33 Gravel or stone streets, highways, roads, parking lots, etc.	114,988	122,352	129,228	141,496	162,028
34 Dirt, clay or other streets, roads, parking lots, etc.,(logging roads if applicable)	34,823	26,760	33,431	40,288	52,350
35 Grading, scraping, oiling, filling	97,723	64,314	73,483	74,420	93,300
36 Sidewalks, paths	19,056	21,226	22,074	20,952	20,963
37 Aerodromes, landing fields, runways, tarmac	24,056	32,022	7,633	7,595	8,206
Waterworks and Sewage Systems	135,713	134,967	183,457	182,307	208,811
38 Tile drains, drainage ditches, storm sewers	19,291	18,159	30,127	30,810	33,589
39 Water mains, hydrants and services	55,321	59,267	71,289	69,564	80,482
40 Sewage systems and connections	49,990	51,896	73,990	73,811	77,503
41 Pumping stations, water	6,827	4,561	3,753	5,172	15,205
42 Water storage tanks	4,284	1,084	4,298	2,950	2,032
Dams and Irrigation	66,220	65,695	32,845	29,393	59,248
43 Dams and reservoirs	48,766	46,845	20,911	16,333	45,565
44 Irrigation and land reclamation projects	17,454	18,850	11,934	13,060	13,683
Electric Power Construction	385,679	338,054	321,870	328,425	458,472
45 Electric power generating plants, including water conveying and controlling structures			153,041	152,066	238,612
46 Electric transformer stations	383,684	331,202	16,295	23,517	33,395
47 Power transmission and distribution lines, trolley wires			146,884	147,259	180,144
48 Street lighting ²	1,995	6,852	5,650	5,583	6,321
Railway, Telephone and Telegraph	279,186	316,542	294,824	310,642	386,238
49 Railway tracks and roadbed	184,211	209,459	185,162	194,600	255,491
50 Signals and interlockers	9,725	9,425	8,232	5,254	7,485
51 Telegraph and telephone lines, underground and marine cables	85,250	97,658	101,430	110,788	123,262
Gas and Oil Facilities	214,967	253,117	269,787	309,572	458,367
52 Gas mains and services	—	8,813	7,313	14,014	31,434
53 Pumping stations, oil	10,953	9,098	8,669	3,662	3,538
54 Pumping stations, gas	284	371	1,048	423	335
55 Oil storage tanks	14,453	17,519	15,944	16,370	18,006
56 Gas storage tanks	4,710	4,599	3,139	1,287	1,464
57 Oil pipe lines	66,621	58,055	49,520	18,033	15,987
58 Gas pipe lines	8,485	9,265	14,254	22,687	129,186
59 Oil wells	66,801	72,695	89,777	119,727	142,482
60 Gas wells	7,177	12,567	8,518	16,100	23,472
61 Oil refinery — processing units	34,617	58,926	68,451	94,994	84,921
62 Natural gas cleaning plants	866	1,209	3,154	2,275	7,542
Other Engineering Construction	147,926	185,967	160,826	166,285	219,913
63 Bridges, trestles, culverts, overpasses, viaducts	61,332	67,571	78,243	84,962	112,529
64 Tunnels and subways	20,604	40,345	8,011	4,295	5,657
65 Incinerators	2,563	2,209	5,552	4,557	4,511
66 Park systems, landscaping, sodding, etc.	8,911	9,260	9,929	7,164	7,588
67 Swimming pools, tennis courts, outdoor recreation facilities	1,789	3,938	5,636	4,827	4,992
68 Mine shafts and other below surface workings	15,517	24,296	22,270	25,001	47,388
69 Fences, snowsheds, signs, guard rails	15,541	17,567	16,785	15,835	17,428
70 Other engineering construction	21,669	20,781	14,400	19,624	19,820

1. Actual 1952-1954, Preliminary Actual 1955, Intentions 1956.

2. A portion of this item is included in items 45, 46 and 47 in 1952.

TABLE 5. Average Numbers Employed, Salaries and Wages Paid and Cost of Materials Used 1952-1956¹
By Provinces

Province	Average number of employees ²	Salaries and wages paid ²	Cost of materials used	Value of work performed
	No.		\$ (000)	
Canada:				
1952	477,953	1,453,894	2,221,918	4,198,621
1953	509,497	1,626,611	2,185,613	4,639,645
1954	512,852	1,656,074	2,194,810	4,723,367
1955	550,230	1,831,910	2,464,200	5,285,551
1956	648,545	2,180,928	2,918,935	6,270,828
Newfoundland:				
1952	9,771	25,154	37,932	74,370
1953	8,973	27,623	30,298	68,118
1954	9,755	26,548	30,702	67,372
1955	11,026	30,807	35,152	79,022
1956	12,181	33,688	39,001	87,325
Prince Edward Island:				
1952	1,962	4,272	6,352	12,747
1953	2,007	4,211	7,398	14,222
1954	2,229	4,862	5,900	15,589
1955	2,519	5,661	7,102	18,503
1956	2,516	5,691	7,288	18,571
Nova Scotia:				
1952	17,870	43,617	64,754	119,696
1953	19,898	50,985	68,550	141,184
1954	18,915	49,227	62,510	136,018
1955	18,205	49,538	64,934	140,452
1956	19,740	53,731	69,643	150,801
New Brunswick:				
1952	13,872	32,173	48,021	88,582
1953	15,338	37,110	52,775	105,227
1954	14,820	38,210	59,795	110,975
1955	18,581	49,289	81,101	149,337
1956	22,072	59,011	98,039	180,482
Quebec:				
1952	134,427	388,492	542,192	1,052,287
1953	133,598	398,134	537,622	1,124,040
1954	133,621	408,934	559,341	1,160,447
1955	148,670	465,276	648,775	1,342,902
1956	164,771	516,217	720,499	1,491,212
Ontario:				
1952	157,666	491,324	778,800	1,458,283
1953	171,638	558,757	744,621	1,597,331
1954	180,877	601,469	792,362	1,699,764
1955	187,868	644,877	861,154	1,841,670
1956	221,936	763,874	1,013,313	2,172,326
Manitoba:				
1952	25,740	71,270	102,194	198,690
1953	28,894	79,369	122,620	245,760
1954	27,037	82,293	116,945	240,977
1955	27,013	85,475	124,327	254,366
1956	32,343	102,727	148,514	305,057

TABLE 5. Average Numbers Employed, Salaries and Wages Paid and Cost of Materials Used 1952-1956¹
By Provinces — Concluded

Province	Average number of employees ²	Salaries and wages paid ²	Cost of materials used	Value of work performed
Saskatchewan:				
1952.....	22,233	65,259	112,683	200,761
1953.....	25,187	76,390	114,996	235,195
1954.....	30,333	99,377	125,626	291,521
1955.....	29,165	98,122	123,651	287,336
1956.....	31,366	105,187	131,354	300,588
Alberta:				
1952.....	44,660	141,164	283,610	479,232
1953.....	50,184	177,422	264,628	556,008
1954.....	50,609	171,399	247,360	550,258
1955.....	53,183	186,066	267,469	599,328
1956.....	64,302	225,643	323,675	724,923
British Columbia:				
1952.....	49,752	191,169	245,380	513,973
1953.....	53,780	216,610	242,105	552,560
1954.....	44,656	173,755	194,269	450,446
1955.....	54,000	216,999	250,535	572,635
1956.....	77,318	315,159	367,609	839,544

1. Actual 1952-54, Preliminary Actual 1955, Intentions 1956.

2. 1952 contractors data includes working owners and proprietors and their withdrawals.

TABLE 6. Average Numbers Employed, Salaries and Wages Paid and Cost of Materials Used 1952-1956¹
By Contractors and Others

Type	Average number of employees ²	Salaries and wages paid ²	Cost of materials used	Value of work performed
Total:				
1952.....	477,953	1,453,894	2,221,918	4,198,621
1953.....	509,497	1,626,611	2,185,613	4,639,645
1954.....	512,832	1,656,074	2,194,810	4,723,367
1955.....	550,230	1,831,910	2,464,200	5,285,551
1956.....	618,545	2,180,928	2,918,935	6,270,829
Contractors:				
1952.....	295,991	969,094	1,617,129	3,027,205
1953.....	317,326	1,085,667	1,588,109	3,358,410
1954.....	316,191	1,077,312	1,599,498	3,381,630
1955.....	366,743	1,279,791	1,897,483	4,006,284
1956.....	437,163	1,540,473	2,268,631	4,737,806
Utilities:				
1952.....	77,842	214,597	249,136	499,797
1953.....	79,870	233,692	263,128	540,341
1954.....	77,137	243,910	244,013	537,578
1955.....	72,245	234,874	235,477	517,823
1956.....	91,434	298,214	297,329	656,251
Governments:				
1952.....	55,772	138,172	152,932	305,954
1953.....	56,640	148,278	131,529	318,278
1954.....	68,724	179,767	141,983	383,558
1955.....	63,862	171,850	134,221	361,156
1956.....	68,952	185,434	142,977	388,725
Others:				
1952.....	48,348	132,031	202,721	365,665
1953.....	55,661	158,974	202,847	422,616
1954.....	50,800	155,085	209,316	420,603
1955.....	47,380	145,395	197,019	400,288
1956.....	50,996	156,807	209,998	428,047

1. Actual 1952-54, Preliminary Actual 1955, Intentions 1956.

2. 1952 contractors data includes working owners and proprietors and their withdrawals.

VALUE OF CONSTRUCTION WORK PERFORMED - CANADA 1954-1956¹TABLE 7. By Type of Structure New and Repair
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	3,700,101	1,023,266	4,723,367	4,273,296	1,012,255	5,285,551	5,161,202	1,109,627	6,270,829
Total Building Construction	2,377,883	536,008	2,913,891	2,818,658	554,964	3,373,622	3,161,880	584,382	3,746,262
Residential	1,178,000	221,900	1,399,900	1,495,700	238,000	1,733,700	1,573,500	252,300	1,825,800
1 Dwellings, single, double, duplexes and apartments	1,178,000	221,900	1,399,900	1,495,700	238,000	1,733,700	1,573,500	252,300	1,825,800
Industrial	262,405	102,071	364,476	304,880	104,095	408,975	443,473	110,143	553,616
2 Factories, plants, workshops, food canneries	223,788	77,550	301,338	270,534	78,060	348,594	380,326	80,443	460,769
3 Mine and mine mill buildings	25,275	6,355	31,630	26,481	7,482	33,963	51,535	7,873	59,408
4 Railway stations, offices, roadway buildings	7,611	9,459	17,070	4,373	11,234	15,607	6,863	12,452	19,315
5 Railway shops, engine houses, water and fuel stations	5,731	8,707	14,438	3,492	7,319	10,811	4,749	9,375	14,124
Commercial	462,746	83,593	546,339	450,402	79,346	529,748	522,405	77,831	600,236
6 Warehouses, storehouses, refrigerated storage, etc.	83,384	10,277	93,641	71,289	10,159	81,448	88,086	11,314	99,400
7 Grain elevators	13,710	5,408	18,118	9,844	5,115	14,959	12,447	4,984	17,431
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	19,393	11,297	30,890	19,428	10,283	29,711	31,106	10,221	41,327
9 Office buildings	149,659	23,309	172,968	144,925	22,461	167,386	173,031	21,652	194,683
10 Stores, retail and wholesale	150,095	24,512	174,607	150,619	22,405	179,024	154,817	21,329	176,146
11 Garages and service stations	30,320	5,620	35,940	32,614	6,268	38,882	43,016	6,105	49,121
12 Theatres, arenas, amusement and recreational buildings	15,189	2,332	17,521	13,546	1,813	15,359	19,139	1,491	20,630
13 Laundries and dry cleaning establishments	1,016	838	1,854	2,137	842	2,979	763	735	1,498
Institutional	330,727	45,805	376,532	412,750	48,584	461,334	456,491	53,060	509,551
14 Schools and other educational buildings	155,838	19,896	175,734	201,820	22,604	224,424	221,837	22,936	244,773
15 Churches and other religious buildings	32,299	6,167	38,486	35,373	6,388	41,761	46,865	5,539	52,404
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	110,495	11,020	121,515	134,748	11,368	146,116	134,277	15,401	149,678
17 Other institutional buildings	32,095	8,722	40,817	40,809	6,224	49,033	53,512	9,184	62,696
Other Building Construction	144,005	82,639	226,644	154,926	84,939	239,865	166,011	91,048	257,059
18 Farm buildings (excluding dwellings)	70,190	60,670	130,860	72,836	62,904	135,740	74,919	66,673	141,592
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	18,848	1,387	20,235	19,167	1,376	20,543	22,745	1,541	24,286
20 Aeroplane hangars	10,017	2,161	12,178	9,267	1,736	11,003	13,219	2,077	15,296
21 Passenger terminals, bus, boat or air	868	163	1,031	540	156	696	719	150	869
22 Armouries, barracks, drill halls, etc.	29,213	6,673	35,885	30,907	6,109	37,016	34,335	7,395	41,730
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	5,764	4,958	10,722	12,936	6,391	19,327	10,495	6,613	17,108
24 Other building construction	9,105	6,627	15,732	9,273	6,267	15,540	9,579	6,599	16,178
Total Engineering Construction	1,322,218	487,258	1,809,476	1,454,638	457,291	1,911,929	1,999,322	525,245	2,524,567
Marine Construction	58,062	14,441	72,443	63,182	12,030	77,212	122,786	14,476	137,262
25 Docks, wharves, piers, breakwaters	33,050	6,556	39,606	29,540	5,946	35,486	45,576	6,311	51,887
26 Retaining walls, embankments, ripraping	1,861	529	2,390	1,780	428	2,208	1,959	412	2,371
27 Canals and waterways	4,782	1,591	6,373	10,294	1,094	11,388	37,329	1,603	38,932
28 Dredging and pile driving	14,164	2,861	17,025	17,585	2,885	20,270	31,972	4,058	35,850
29 Dyke construction	1,008	273	1,281	820	252	1,072	642	231	873
30 Logging booms	816	703	1,519	3,629	519	4,148	2,386	688	3,074
31 Other marine construction	2,321	1,928	4,249	1,534	1,106	2,640	2,922	1,173	4,095

1. Actual 1954, Preliminary Actual 1955, Intentions 1956.

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

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction...	308,879	164,545	473,424	362,547	145,566	508,113	442,127	154,129	596,256
32 Hard surfaced or paved streets, highways, parking lots, etc.	144,699	62,876	207,575	167,063	56,299	223,362	200,327	59,082	259,409
33 Gravel or stone streets, highways, roads, parking lots, etc.	68,143	61,085	129,228	87,791	53,705	141,496	104,557	57,471	162,028
34 Dirt, clay or other streets, roads, parking lots, etc.	20,027	13,404	33,431	26,193	14,095	40,288	37,151	15,199	52,350
35 Grading, scraping, oiling, filling	51,550	21,933	73,483	57,194	17,226	74,420	75,253	18,047	93,300
36 Sidewalks, paths	17,561	4,513	22,074	17,165	3,787	20,952	17,128	3,835	20,963
37 Aerodromes, landing fields, runways, tarmac	6,899	734	7,633	7,141	454	7,595	7,711	495	8,206
Waterworks and Sewage Systems.....	157,842	25,615	183,457	159,793	22,514	182,307	184,989	23,822	208,811
38 Tile drains, drainage ditches, storm sewers	25,615	4,512	30,127	26,840	3,970	30,810	29,554	4,035	33,589
39 Water mains, hydrants and services	58,798	12,491	71,289	58,258	11,308	69,584	67,986	12,496	80,482
40 Sewage systems and connections	68,448	7,542	73,990	67,640	6,171	73,811	71,250	6,253	77,503
41 Pumping stations, water.....	2,890	863	3,753	4,259	913	5,172	14,254	951	15,205
42 Water storage tanks.....	4,091	207	4,298	2,796	154	2,950	1,945	87	2,032
Dams and Irrigation	28,893	3,952	32,845	25,448	3,945	29,393	55,103	4,145	59,248
43 Dams and reservoirs	18,965	1,946	20,911	14,540	1,793	16,333	43,714	1,851	45,565
44 Irrigation and land reclamation projects	9,928	2,006	11,934	10,908	2,152	13,060	11,389	2,294	13,683
Electric Power Construction	290,300	31,570	321,870	293,229	35,196	328,425	422,210	36,262	458,472
45 Electric power generating plants, including water conveying and controlling structures	145,610	7,431	153,041	143,594	8,472	152,066	229,561	9,051	238,612
46 Electric transformer stations	13,471	2,824	16,295	19,650	3,867	23,517	29,415	3,980	33,395
47 Power transmission and distribution lines, trolley wires	127,127	19,757	146,884	126,249	21,010	147,259	158,757	21,387	180,144
48 Street lighting	4,092	1,558	5,650	3,736	1,847	5,583	4,477	1,844	6,321
Railway, Telephone and Telegraph	118,795	176,029	294,824	140,027	170,615	310,642	165,103	221,135	386,238
49 Railway tracks and roadbed	42,346	142,816	185,162	58,297	136,303	194,600	71,862	183,829	255,491
50 Signals and interlockers	4,084	4,148	8,232	1,314	3,940	5,254	3,295	4,190	7,485
51 Telegraph and telephone lines, underground and marine cables	72,365	29,065	101,430	80,416	30,372	110,788	90,146	33,116	123,262
Gas and Oil Facilities	245,203	24,584	269,787	284,943	24,629	309,572	433,067	25,300	458,367
52 Gas mains and services	5,956	1,357	7,313	12,051	1,963	14,014	29,182	2,252	31,434
53 Pumping stations, oil	7,717	952	8,669	2,924	738	3,662	2,701	837	3,538
54 Pumping stations, gas	1,026	22	1,048	367	56	423	284	51	335
55 Oil storage tanks	14,185	1,759	15,944	14,487	1,883	16,370	15,653	2,353	18,006
56 Gas storage tanks	2,196	943	3,139	817	470	1,287	1,414	50	1,464
57 Oil pipe lines	47,400	2,120	49,520	16,889	1,144	18,033	15,130	857	15,987
58 Gas pipe lines	13,185	1,069	14,254	22,175	512	22,687	128,384	802	129,186
59 Oil wells	87,598	2,179	89,777	117,291	2,436	119,727	139,191	3,291	142,482
60 Gas wells	8,273	245	8,518	15,815	285	16,100	23,094	378	23,472
61 Oil refinery — processing units	54,602	13,849	68,451	80,013	14,981	94,994	70,600	14,321	84,921
62 Natural gas cleaning plants	3,065	89	3,154	2,114	161	2,275	7,434	108	7,542
Other Engineering Construction	114,304	46,522	160,826	123,469	42,796	166,265	173,937	45,976	219,913
63 Bridges, trestles, culverts, overpasses, viaducts	55,319	22,924	78,243	63,636	21,326	84,962	89,471	23,058	112,529
64 Tunnels and subways	7,571	440	8,011	3,882	413	4,295	5,169	488	5,657
65 Incinerators	5,184	368	5,552	3,902	655	4,557	3,788	723	4,511
66 Park systems, landscaping, sodding, etc.	4,525	5,404	9,929	3,966	3,198	7,164	4,207	3,381	7,588
67 Swimming pools, tennis courts, outdoor recreation facilities	4,437	1,199	5,636	3,890	937	4,827	3,908	1,084	4,992
68 Mine shafts and other below surface workings	19,919	2,351	22,270	22,825	2,176	25,001	45,345	2,043	47,388
69 Fences, snowsheds, signs, guard rails	5,757	11,028	16,785	5,727	10,108	15,835	6,572	10,856	17,428
70 Other engineering construction	11,592	2,808	14,400	15,641	3,983	19,624	15,477	4,343	19,820

TABLE 8. Dollar and Percentage Change by Type of Structure

Type of structure	Change 1954 to 1955		Change 1955 to 1956		Type of structure	Change 1954 to 1955		Change 1955 to 1956	
	\$ Mill	%	\$ Mill	%		\$ Mill	%	\$ Mill	%
Total Value of Construction	562	11.9	983	18.6	Road, Highway and Aerodrome Construction....	35	7.3	88	17.3
Total Building Construction.....	460	15.8	373	11.0	32 Hard surfaced or paved streets, highways, parking lots, etc.	16		36	
Residential.....	334	23.8	92	5.3	33 Gravel or stone streets, highways, roads, parking lots, etc.	12		21	
1 Dwellings, single, double, duplexes and apartments	334		92		34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable).	7		12	
Industrial	44	12.2	145	35.4	35 Grading, scraping, oiling, filling	1		19	
2 Factories, plants, workshops, food canneries	47		112		36 Sidewalks, paths.....	- 1		0	
3 Mine and mine mill buildings	2		25		37 Aerodromes, landing fields, runways, tarmac	0		1	
4 Railway stations, offices, roadway buildings	- 1		4		Waterworks and Sewage Systems	- 1	0.6	27	14.5
5 Railway shops, engine houses, water and fuel stations	- 4		3		38 Tile drains, drainage ditches, storm sewers	1		3	
Commercial	- 17	- 3.0	70	13.3	39 Water mains, hydrants and services	- 2		11	
6 Warehouses, storehouses, refrigerated storage, etc.	- 12		18		40 Sewage systems and connections.....	0		4	
7 Grain elevators	- 4		2		41 Pumping stations, water	1		10	
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	- 1		12		42 Water storage tanks	- 1		- 1	
9 Office buildings	- 6		27		Dams and Irrigation	- 3	- 10.5	30	101.6
10 Stores, retail and wholesale.....	4		- 3		43 Dams and reservoirs.....	- 5		29	
11 Garages and service stations.....	3		10		44 Irrigation and land reclamation projects	1		1	
12 Theatres, arenas, amusement and recreational buildings	- 2		5		Electric Power Construction	7	2.0	130	39.6
13 Laundries and dry cleaning establishments	1		- 1		45 Electric power generating plants, including water conveying and controlling structures.	- 1		87	
Institutional	85	22.5	48	10.5	46 Electric transformer stations	7		10	
14 Schools and other educational buildings	49		20		47 Power transmission and distribution lines, trolley wires	0		33	
15 Churches and other religious buildings.....	3		11		48 Street lighting	0		1	
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	25		4		Railway, Telephone and Telegraph.....	16	5.4	76	24.3
17 Other institutional buildings	8		14		49 Railway tracks and roadbed	9		61	
Other Building Construction	13	5.8	17	7.2	50 Signals and interlockers	- 3		2	
18 Farm buildings (excluding dwellings).....	5		6		51 Telegraph and telephone lines, underground and marine cables.....	9		12	
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges.....	0		4		Gas and Oil Facilities	40	14.7	149	48.1
20 Aeroplane hangars	- 1		4		52 Gas mains and services.....	7		17	
21 Passenger terminals, bus, boat or air	0		0		53 Pumping stations, oil.....	- 5		0	
22 Armouries, barracks, drill halls, etc.	1		5		54 Pumping stations, gas	- 1		0	
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	9		- 2		55 Oil storage tanks	0		2	
24 Other building construction	0		1		56 Gas storage tanks	- 2		0	
Total Engineering Construction	102	5.7	613	32.0	57 Oil pipe lines	- 31		- 2	
Marine Construction	5	6.6	60	77.8	58 Gas pipe lines	8		106	
25 Docks, wharves, piers, breakwaters	- 4		16		59 Oil wells	30		23	
26 Retaining walls, embankments, ripraping ..	0		0		60 Gas wells	8		7	
27 Canals and waterways	5		28		61 Oil refinery - processing units	27		- 10	
28 Dredging and pile driving	3		16		62 Natural gas cleaning plants	- 1		5	
29 Dyke construction	0		0		Other Engineering Construction.....	5	3.4	54	32.3
30 Logging booms	3		- 1		63 Bridges, trestles, culverts, overpasses, viaducts	7		28	
31 Other marine construction	- 2		1		64 Tunnels and subways	- 4		1	
					65 Incinerators	- 1		0	
					66 Park systems, landscaping, sodding, etc.	- 3		0	
					67 Swimming pools, tennis courts, outdoor recreation facilities	- 1		0	
					68 Mine shafts and other below surface workings	3		22	
					69 Fences, snowsheds, signs, guard rails	- 1		2	
					70 Other engineering construction	5		0	

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

	1954			1955			1956		
	Building	Engineering	Total	Building	Engineering	Total	Building	Engineering	Total
Total	2,913,891	1,809,476	4,723,367	3,373,622	1,911,929	5,285,551	3,746,262	2,324,567	6,270,829
Agriculture and Fishing	129,263	17,581	146,844	133,419	18,167	151,586	139,915	19,040	158,955
Forestry	11,999	33,520	45,519	15,539	35,134	50,673	14,848	39,907	54,755
Mining, Quarrying and Oil Wells	39,738	160,245	199,983	42,193	194,071	236,264	69,121	249,063	318,184
Construction	11,642	448	12,090	13,921	218	14,139	12,338	215	12,553
Manufacturing	281,913	104,026	385,939	324,026	117,880	441,906	428,829	130,662	559,491
Utilities	94,121	777,419	871,540	82,489	775,196	857,685	110,283	1,207,135	1,317,398
Trade - Wholesale and Retail	228,813	10,776	239,589	216,039	12,263	228,302	234,574	12,623	247,197
Finance, Insurance and Real Estate	83,764	14,048	97,812	76,758	15,615	92,373	85,184	13,741	98,925
Commercial Services	36,476	1,026	37,502	42,901	1,641	44,542	55,907	1,496	57,403
Housing	1,399,900	-	1,399,900	1,733,700	-	1,733,700	1,825,800	-	1,825,800
Institutional Services	330,019	1,483	331,502	407,623	1,520	409,143	443,602	1,225	444,827
Government Departments	266,243	688,904	955,147	285,014	740,224	1,025,238	325,881	849,460	1,175,341

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

	Change 1954 to 1955						Change 1955 to 1956					
	Building		Engineering		Total		Building		Engineering		Total	
	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%
Total	460	15.8	102	5.7	562	11.9	373	11.0	613	32.0	985	18.6
Agriculture and Fishing	4	3.2	1	3.3	5	3.2	6	4.9	1	4.8	7	4.9
Forestry	4	29.5	2	4.8	5	11.3	- 1	- 4.4	5	13.6	4	8.1
Mining, Quarrying and Oil Wells	2	6.2	34	21.1	36	18.1	27	63.8	55	28.3	82	34.7
Construction	2	19.6	0	- 48.7	2	16.9	- 2	- 11.4	0	- 1.4	- 2	- 11.2
Manufacturing	42	14.9	14	13.3	56	14.5	105	32.3	13	10.8	118	26.6
Utilities	- 12	- 12.4	- 2	- 0.3	- 14	- 1.6	28	33.7	432	55.7	460	53.6
Trade - Wholesale and Retail	- 13	- 5.6	1	13.8	- 11	- 4.7	19	8.6	0	2.9	19	8.3
Finance, Insurance and Real Estate	- 7	- 8.4	2	11.2	- 5	- 5.6	8	11.0	- 2	- 12.0	7	7.1
Commercial Services	6	17.6	1	59.9	7	18.8	13	30.3	0	- 8.8	13	28.9
Housing	334	23.8	0	0.0	334	23.8	92	5.3	0	0.0	92	5.3
Institutional Services	78	23.5	0	2.5	78	23.4	38	8.8	0	- 19.4	36	8.7
Government Departments	19	7.1	51	7.5	70	7.3	41	14.3	108	14.8	150	14.6

VALUE OF CONSTRUCTION WORK PERFORMED BY TYPE OF STRUCTURE - INDUSTRY OR SECTOR 1954-1956¹

TABLE 11. Primary Industries²

(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	296,524	107,912	404,436	345,736	106,926	452,662	429,114	115,333	544,447
Total Building Construction	116,330	76,312	192,642	125,878	79,194	205,072	152,198	84,024	236,222
Residential	—	—	—	—	—	—	—	—	—
1 Dwellings, single, double, duplexes and apartments	—	—	—	—	—	—	—	—	—
Industrial	29,683	8,062	37,745	33,182	8,934	42,116	57,547	9,460	67,007
2 Factories, plants, workshops, food canneries	5,490	1,806	7,296	7,746	1,601	9,347	6,768	1,743	8,531
3 Mine and mine mill buildings	24,133	6,246	30,379	25,415	7,329	32,744	50,757	7,705	58,462
4 Railway stations, offices, roadway buildings	—	10	10	—	4	4	2	5	7
5 Railway shops, engine houses, water and fuel stations	60	—	60	21	—	21	—	7	7
Commercial	12,999	2,994	15,993	11,423	2,040	13,463	12,647	1,868	14,515
6 Warehouses, storehouses, refrigerated storage, etc.	5,725	1,778	7,503	3,267	927	4,194	3,854	908	4,762
7 Grain elevators	—	—	—	—	—	—	—	—	—
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	168	36	204	149	16	165	—	23	23
9 Office buildings	6,258	896	7,154	7,370	835	8,205	7,447	717	8,164
10 Stores, retail and wholesale	127	62	189	51	40	91	348	31	379
11 Garages and service stations	617	199	816	445	191	636	221	169	390
12 Theatres, arenas, amusement and recreational buildings	98	18	116	124	31	155	771	19	790
13 Laundries and dry cleaning establishments	6	5	11	17	—	17	6	1	7
Institutional	267	50	317	452	26	478	414	9	423
14 Schools and other educational buildings	141	28	169	327	14	341	39	—	39
15 Churches and other religious buildings	—	—	—	—	—	—	10	—	10
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	123	22	145	120	12	132	365	9	374
17 Other institutional buildings	3	—	3	5	—	5	—	—	—
Other Building Construction	73,381	65,206	138,587	80,821	68,194	149,015	81,590	72,687	154,277
18 Farm buildings (excluding dwellings)	67,976	60,396	128,372	69,570	62,623	132,193	72,176	66,370	138,546
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	28	188	216	66	29	95	100	22	122
20 Aeroplane hangars	6	4	10	9	—	9	179	—	179
21 Passenger terminals, bus, boat or air	—	—	—	9	—	9	—	—	—
22 Armouries, barracks, drill halls, etc.	—	—	—	—	—	—	—	—	—
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	5,339	4,472	9,811	10,838	5,379	16,217	9,030	6,046	15,076
24 Other building construction	32	146	178	329	163	492	105	249	354
Total Engineering Construction	180,194	31,600	211,794	219,858	27,732	247,590	276,916	31,309	308,225
Marine Construction	16,250	2,561	18,811	16,570	2,029	18,599	17,747	2,568	20,315
25 Docks, wharves, piers, breadwaters	3,698	913	4,611	3,045	1,116	4,161	4,254	1,155	5,409
26 Retaining walls, embankments, ripraping	328	—	328	202	121	323	31	73	104
27 Canals and waterways	448	470	918	355	54	409	438	421	859
28 Dredging and pile driving	10,582	8	10,590	9,032	15	9,047	8,974	22	8,996
29 Dyke construction	—	29	29	15	13	28	—	—	—
30 Logging booms	792	607	1,399	3,622	452	4,074	2,334	628	2,962
31 Other marine construction	402	534	936	299	258	557	1,716	269	1,985

1. Actual 1954, Preliminary Actual 1955, Intentions 1956.

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	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	18,296	11,101	29,397	19,041	8,189	27,230	19,576	9,360	28,936
32 Hard surfaced or paved streets, highways, parking lots, etc.	207	454	661	1,085	495	1,580	1,112	372	1,484
33 Gravel or stone streets, highways, roads, parking lots, etc.	7,565	4,531	12,096	9,346	2,952	12,298	9,331	3,364	12,695
34 Dirt, clay or other streets, roads, parking lots, etc. (logging roads if applicable).....	9,030	5,985	15,015	8,335	4,694	13,029	8,897	5,555	14,452
35 Grading, scraping, oiling, filling	849	108	957	231	46	277	165	48	213
36 Sidewalks, paths	25	—	25	36	1	37	50	2	52
37 Aerodromes, landing fields, runways, tarmac	620	23	643	8	1	9	21	19	40
Waterworks and Sewage Systems	2,151	361	2,512	1,487	675	2,162	1,410	466	1,876
38 Tile drains, drainage ditches, storm sewers	14	—	14	14	13	27	1	1	2
39 Water mains, hydrants and services	979	299	1,278	816	309	1,125	709	208	917
40 Sewage systems and connections	368	40	408	417	68	485	326	81	407
41 Pumping stations, water	223	6	229	181	186	367	332	176	508
42 Water storage tanks	567	16	583	59	99	158	42	—	42
Dams and Irrigation	7,631	2,481	10,112	7,751	2,615	10,366	9,831	2,879	12,710
43 Dams and reservoirs	2,628	625	3,253	2,609	691	3,300	4,387	839	5,226
44 Irrigation and land reclamation projects	5,003	1,856	6,859	5,142	1,924	7,066	5,444	2,040	7,484
Electric Power Construction	7,560	321	8,081	2,873	256	3,129	3,516	227	3,743
45 Electric power generating plants, including water conveying and controlling structures	2,832	94	2,926	478	99	577	2,027	85	2,112
46 Electric transformer stations	1,032	17	1,049	805	37	842	602	25	627
47 Power transmission and distribution lines, trolley wires	3,669	377	4,046	1,573	100	1,673	877	101	978
48 Street lighting	27	33	60	17	20	37	10	16	26
Railway, Telephone and Telegraph	3,016	2,132	5,148	5,142	1,669	6,811	5,776	2,079	7,855
49 Railway tracks and roadbed	2,904	1,810	4,714	4,905	1,440	6,345	5,523	1,954	7,477
50 Signals and interlockers	—	—	—	7	—	7	86	—	86
51 Telegraph and telephone lines, underground and marine cables	112	322	434	230	229	459	167	125	292
Gas and Oil Facilities	98,241	2,639	100,880	138,618	2,834	141,452	167,686	3,844	171,530
52 Gas mains and services	6	—	6	21	2	23	16	2	18
53 Pumping stations, oil	179	—	179	135	3	138	149	7	156
54 Pumping stations, gas	—	—	—	—	—	—	—	—	—
55 Oil storage tanks	2,000	49	2,049	5,236	84	5,320	5,066	133	5,199
56 Gas storage tanks	7	—	7	1	—	1	6	—	6
57 Oil pipe lines	127	40	167	410	11	421	155	5	160
58 Gas pipe lines	270	152	422	82	21	103	210	39	249
59 Oil wells	87,580	2,179	89,759	117,279	2,436	119,715	139,141	3,291	142,432
60 Gas wells	8,072	219	8,291	15,454	277	15,731	22,757	367	23,124
61 Oil refinery — processing units	—	—	—	—	—	—	—	—	—
62 Natural gas cleaning plants	—	—	—	—	—	—	186	—	186
Other Engineering Construction	27,049	9,804	36,853	28,376	9,465	37,841	51,374	9,886	61,260
63 Bridges, trestles, culverts, overpasses, viaducts	288	217	505	867	60	927	683	73	756
64 Tunnels and subways	62	21	83	139	—	139	87	—	87
65 Incinerators	—	—	—	—	—	—	15	3	18
66 Park systems, landscaping, sodding, etc.	30	50	80	109	43	152	29	34	63
67 Swimming pools, tennis courts, outdoor recreation facilities	560	—	560	3	—	3	31	8	39
68 Mine shafts and other below surface workings	19,054	2,351	21,405	22,058	2,176	24,234	45,244	2,043	47,287
69 Fences, snowsheds, signs, guard rails	3,584	5,860	9,444	3,657	6,079	9,736	3,816	6,458	10,274
70 Other engineering construction	3,471	1,305	4,776	1,543	1,107	2,650	1,469	1,267	2,736

TABLE 12. Manufacturing
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	287,874	98,065	385,939	345,183	96,723	441,906	461,784	97,707	559,491
Total Building Construction	203,856	78,057	281,913	247,308	76,718	324,026	350,200	78,629	428,829
Residential	—	—	—	—	—	—	—	—	—
1 Dwellings, single, double, duplexes and apartments	—	—	—	—	—	—	—	—	—
Industrial	179,591	74,338	253,927	218,765	74,035	292,800	318,776	76,049	394,827
2 Factories, plants, workshops, food canneries	177,359	70,696	248,055	216,257	71,069	287,326	316,466	72,560	389,026
3 Mine and mine mill buildings	1,142	105	1,247	1,066	153	1,219	778	168	946
4 Railway stations, offices, roadway buildings	164	46	210	63	195	258	542	190	732
5 Railway shops, engine houses, water and fuel stations	926	3,489	4,415	1,379	2,618	3,997	992	3,131	4,123
Commercial	23,787	3,348	27,135	26,244	2,201	28,445	29,503	2,202	31,707
6 Warehouses, storehouses, refrigerated storage, etc.	11,204	811	12,015	10,451	1,006	11,457	12,850	1,118	13,968
7 Grain elevators	367	80	447	300	72	372	129	73	202
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	159	405	564	49	55	104	45	64	109
9 Office buildings	10,866	1,744	12,610	13,988	886	14,874	14,308	735	15,043
10 Stores, retail and wholesale	380	153	533	941	94	1,035	1,838	168	2,006
11 Garages and service stations	547	74	621	237	30	267	300	25	325
12 Theatres, arenas, amusement and recreational buildings	264	81	345	278	57	335	35	19	54
13 Laundries and dry cleaning establishments	—	—	—	—	1	1	—	—	—
Institutional	345	73	418	1,320	51	1,371	1,066	35	1,101
14 Schools and other educational buildings	283	15	298	30	6	36	9	7	16
15 Churches and other religious buildings	—	1	1	18	—	18	17	2	19
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	30	57	87	781	35	816	714	18	732
17 Other institutional buildings	32	—	32	491	10	501	326	8	334
Other Building Construction	133	300	433	979	431	1,410	851	343	1,194
18 Farm buildings (excluding dwellings)	24	13	37	45	49	94	60	45	105
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	4	5	9	8	3	11	52	—	52
20 Aeroplane hangars	1	34	35	5	80	85	11	96	107
21 Passenger terminals, bus, boat or air	—	—	—	—	—	—	—	—	—
22 Armouries, barracks, drill halls, etc.	—	—	—	—	—	—	—	—	—
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	104	240	344	921	281	1,202	728	184	912
24 Other building construction	—	8	8	—	18	18	—	18	18
Total Engineering Construction	84,018	20,008	104,026	97,875	20,005	117,880	111,584	19,078	130,662
Marine Construction	2,542	1,737	4,279	1,214	1,402	2,616	7,040	1,252	8,292
25 Docks, wharves, piers, breakwaters	2,279	1,204	3,483	701	1,058	1,759	6,146	964	7,110
26 Retaining walls, embankments, ripraping	80	75	155	—	40	40	68	23	91
27 Canals and waterways	—	8	6	—	1	1	—	9	9
28 Dredging and pile driving	143	165	308	415	166	581	749	151	900
29 Dyke construction	—	1	1	54	1	55	—	1	1
30 Logging booms	21	63	84	7	59	66	52	46	98
31 Other marine construction	19	221	240	37	77	114	25	58	83

TABLE 12. Manufacturing — Concluded
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	2,892	1,131	4,023	3,170	1,306	4,676	2,347	1,307	3,654
32 Hard surfaced or paved streets, highways, parking lots, etc.	1,415	425	1,840	1,555	524	2,079	1,189	607	1,796
33 Gravel or stone streets, highways, roads, parking lots, etc.	794	363	1,157	567	465	1,032	508	355	863
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	436	283	719	390	338	728	444	269	713
35 Grading, scraping, oiling, filling	226	35	261	567	71	638	155	45	200
36 Sidewalks, paths	21	25	46	6	28	34	2	15	17
37 Aerodromes, landing fields, runways, tarmac	—	—	—	85	80	165	49	16	65
Waterworks and Sewage Systems	2,849	463	3,312	2,762	383	3,145	6,715	339	7,034
38 Tile drains, drainage ditches, storm sewers	248	68	316	478	34	512	576	12	588
39 Water mains, hydrants and services	1,244	181	1,425	1,262	184	1,446	2,527	159	2,686
40 Sewage systems and connections	642	139	781	513	119	632	1,035	100	1,135
41 Pumping stations, water	448	55	503	383	41	424	2,445	62	2,507
42 Water storage tanks	267	20	287	126	5	131	132	6	138
Dams and Irrigation	234	173	407	252	67	319	662	49	711
43 Dams and reservoirs	202	173	375	251	67	318	631	49	680
44 Irrigation and land reclamation projects	32	—	32	1	—	1	31	—	31
Electric Power Construction	4,077	283	4,360	2,467	307	2,774	10,824	296	11,120
45 Electric power generating plants, including water conveying and controlling structures	2,339	110	2,449	682	178	860	6,737	178	6,915
46 Electric transformer stations	606	55	661	725	22	747	2,714	29	2,743
47 Power transmission and distribution lines, trolley wires	300	99	399	1,057	87	1,144	1,324	65	1,389
48 Street lighting	832	19	851	3	20	23	49	24	73
Railway, Telephone and Telegraph	692	727	1,419	1,084	728	1,812	851	772	1,623
49 Railway tracks and roadbed	516	599	1,115	886	644	1,530	575	686	1,261
50 Signals and interlockers	—	—	—	—	—	—	—	—	—
51 Telegraph and telephone lines, underground and marine cables	176	128	304	198	84	282	276	86	362
Gas and Oil Facilities	68,699	15,061	83,760	85,583	15,404	100,987	82,415	14,763	97,178
52 Gas mains and services	7	—	7	6	11	17	44	11	55
53 Pumping stations, oil	161	—	161	—	13	13	—	15	15
54 Pumping stations, gas	688	6	694	—	—	—	—	—	—
55 Oil storage tanks	7,007	1,000	8,007	3,027	230	3,257	4,293	310	4,603
56 Gas storage tanks	888	107	995	247	7	254	189	—	189
57 Oil pipe lines	2,099	34	2,133	295	5	300	70	1	71
58 Gas pipe lines	186	21	207	6	22	28	83	17	100
59 Oil wells	18	—	18	12	—	12	50	—	50
60 Gas wells	—	—	—	—	—	—	—	—	—
61 Oil refinery — processing units	54,593	13,827	68,420	80,013	14,981	94,994	70,600	14,321	84,921
62 Natural gas cleaning plants	3,052	66	3,118	1,977	135	2,112	7,086	88	7,174
Other Engineering Construction	2,033	433	2,466	1,343	208	1,551	730	300	1,030
63 Bridges, trestles, culverts, overpasses, viaducts	91	71	162	51	39	90	261	114	375
64 Tunnels and subways	192	—	192	6	—	6	—	24	24
65 Incinerators	213	17	230	122	1	123	25	—	25
66 Park systems, landscaping, sodding, etc.	59	155	214	222	119	341	181	121	302
67 Swimming pools, tennis courts, outdoor recreation facilities	15	9	24	—	5	5	—	5	5
68 Mine shafts and other below surface workings	865	—	865	767	—	767	101	—	101
69 Fences, snowsheds, signs, guard rails	263	73	336	175	27	202	108	18	126
70 Other engineering construction	335	108	443	—	17	17	54	18	72

TABLE 13. Utilities
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	610,278	261,262	871,540	600,285	257,400	857,685	1,001,708	315,690	1,317,398
Total Building Construction	67,564	26,557	94,121	54,719	27,770	82,489	79,409	30,854	110,263
Residential	—	—	—	—	—	—	—	—	—
1 Dwellings, single, double, duplexes and apartments	—	—	—	—	—	—	—	—	—
Industrial	16,057	15,602	31,659	9,174	16,876	26,050	16,844	19,831	36,675
2 Factories, plants, workshops, food canneries	4,219	1,017	5,236	3,156	1,140	4,296	7,138	1,337	8,475
3 Mine and mine mill buildings	—	4	4	—	—	—	—	—	—
4 Railway stations, offices, roadway buildings	7,093	9,400	16,493	3,926	11,035	14,961	5,949	12,257	18,206
5 Railway shops, engine houses, water and fuel stations	4,745	5,181	9,926	2,092	4,701	6,793	3,757	6,237	9,994
Commercial	34,851	9,478	44,329	29,092	8,910	38,002	37,439	9,344	46,783
6 Warehouses, storehouses, refrigerated storage, etc.	10,067	1,720	11,787	8,570	1,560	10,130	10,417	1,639	12,056
7 Grain elevators	13,343	5,328	18,671	9,544	5,036	14,580	12,318	4,904	17,222
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	45	28	73	593	13	606	77	11	88
9 Office buildings	8,166	1,663	9,829	6,875	1,401	8,276	8,567	1,788	10,355
10 Stores, retail and wholesale	27	2	29	236	—	238	2,254	—	2,254
11 Garages and service stations	3,162	727	3,889	3,239	893	4,132	3,806	996	4,802
12 Theatres, arenas, amusement and recreational buildings	41	8	49	35	7	42	—	6	6
13 Laundries and dry cleaning establishments	—	2	2	—	—	—	—	—	—
Institutional	—	5	5	21	5	26	2,732	5	2,737
14 Schools and other educational buildings	—	3	3	5	5	10	1,319	5	1,324
15 Churches and other religious buildings	—	—	—	16	—	16	1,413	—	1,413
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	—	2	2	—	—	—	—	—	—
17 Other institutional buildings	—	—	—	—	—	—	—	—	—
Other Building Construction	16,656	1,472	18,128	16,432	1,979	18,411	22,394	1,674	24,068
18 Farm buildings (excluding dwellings)	—	—	—	—	—	—	—	—	—
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	14,583	634	15,417	14,831	1,007	15,838	17,830	1,141	18,971
20 Aeroplane hangars	1,128	393	1,521	861	147	1,008	3,449	120	3,569
21 Passenger terminals, bus, boat or air	868	156	1,024	531	139	670	719	134	853
22 Armouries, barracks, drill halls, etc.	—	—	—	—	—	—	—	—	—
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	75	78	153	188	549	737	396	207	603
24 Other building construction	2	11	13	21	137	158	—	72	72
Total Engineering Construction	542,714	234,705	777,419	545,566	229,630	775,196	922,299	284,836	1,207,135
Marine Construction	7,780	2,272	10,052	15,072	1,709	16,781	65,705	2,786	68,491
25 Docks, wharves, piers, breakwaters	6,694	1,689	8,383	3,426	1,300	4,726	12,683	1,406	14,089
26 Retaining walls, embankments, ripraping	39	52	91	7	15	22	36	27	63
27 Canals and waterways	649	22	671	6,964	43	7,007	34,253	16	34,269
28 Dredging and pile driving	—	452	452	4,648	273	4,921	18,708	1,266	19,974
29 Dyke construction	30	—	30	23	41	64	20	16	36
30 Logging booms	3	33	36	—	8	8	—	14	14
31 Other marine construction	365	24	389	4	29	33	5	41	46

TABLE 13. Utilities — Concluded
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	2,799	472	3,271	946	679	1,625	2,918	964	3,872
32 Hard surfaced or paved streets, highways, parking lots, etc.	134	206	340	705	123	828	2,751	445	3,196
33 Gravel or stone streets, highways, roads, parking lots, etc.	23	87	110	20	312	332	43	298	341
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	2,479	76	2,555	106	165	271	32	119	151
35 Grading, scraping, oiling, filling	152	103	255	59	72	131	24	74	98
36 Sidewalks, paths	9	—	9	40	—	40	63	—	63
37 Aerodromes, landing fields, runways, tarmac	2	—	2	16	7	23	5	18	23
Waterworks and Sewage Systems	50,512	12,046	62,558	48,625	10,758	59,383	63,903	11,998	75,901
38 Tile drains, drainage ditches, storm sewers	—	6	6	2	2	4	26	1	27
39 Water mains, hydrants and services	45,111	11,053	56,164	42,405	10,009	52,414	50,503	11,185	61,688
40 Sewage systems and connections	9	25	34	168	17	185	180	21	201
41 Pumping stations, water	2,215	801	3,016	3,514	684	4,198	11,426	713	12,139
42 Water storage tanks	3,177	161	3,338	2,536	46	2,582	1,768	78	1,846
Dams and Irrigation	15,641	905	16,546	11,272	847	12,119	38,306	751	39,057
43 Dams and reservoirs	15,622	905	16,527	11,272	816	12,088	38,256	719	38,975
44 Irrigation and land reclamation projects	19	—	19	—	31	31	50	32	82
Electric Power Construction	273,338	29,416	302,754	282,282	33,023	315,305	401,687	33,963	435,650
45 Electric power generating plants, including water conveying and controlling structures	139,364	5,884	146,248	141,088	7,889	148,977	219,233	8,450	227,683
46 Electric transformer stations	10,408	2,731	13,139	16,656	3,788	20,444	24,588	3,898	28,486
47 Power transmission and distribution lines, trolley wires	121,441	18,823	140,264	121,925	20,400	142,325	154,758	20,695	175,453
48 Street lighting	2,125	978	3,103	2,613	946	3,559	3,108	920	4,028
Railway, Telephone and Telegraph	106,847	172,822	279,669	126,883	167,925	294,808	151,182	217,947	369,129
49 Railway tracks and roadbed	31,955	140,215	172,170	46,699	134,038	180,737	59,387	180,978	240,365
50 Signals and interlockers	4,084	4,148	8,232	1,307	3,940	5,247	3,209	4,190	7,399
51 Telegraph and telephone lines, underground and marine cables..	70,808	28,459	99,267	78,877	29,947	108,824	88,586	32,779	121,365
Gas and Oil Facilities	73,924	5,385	79,309	54,685	4,393	59,078	177,057	4,828	181,885
52 Gas mains and services	5,905	1,356	7,261	12,024	1,949	13,973	29,122	2,238	31,360
53 Pumping stations, oil	7,374	951	8,325	2,600	722	3,322	2,502	815	3,317
54 Pumping stations, gas	338	16	354	367	56	423	284	51	335
55 Oil storage tanks	2,389	68	2,457	1,473	60	1,533	1,753	66	1,819
56 Gas storage tanks	220	27	247	10	30	40	—	30	30
57 Oil pipe lines	44,823	2,000	46,823	15,834	1,073	16,907	14,822	851	15,673
58 Gas pipe lines	12,652	896	13,548	21,879	469	22,348	128,075	746	128,821
59 Oil wells	—	—	—	—	—	—	—	—	—
60 Gas wells	201	26	227	361	8	369	337	11	348
61 Oil refinery — processing units	9	22	31	—	—	—	—	—	—
62 Natural gas cleaning plants	13	23	36	137	26	163	162	20	182
Other Engineering Construction	11,873	11,387	23,260	5,801	10,296	16,097	21,341	11,699	33,150
63 Bridges, trestles, culverts, overpasses, viaducts	6,642	8,166	14,808	4,765	7,981	12,746	19,456	8,970	28,426
64 Tunnels and subways	4,054	264	4,318	446	288	734	1,071	334	1,405
65 Incliners	24	63	87	—	—	—	—	—	—
66 Park systems, landscaping, sodding, etc.	4	99	103	4	6	10	1	5	8
67 Swimming pools, tennis courts, outdoor recreation facilities ..	—	17	17	—	6	6	—	6	6
68 Mine shafts and other below surface workings	—	—	—	—	—	—	—	—	—
69 Fences, snowsheds, signs, guard rails	203	2,620	2,823	441	1,912	2,353	843	2,188	3,031
70 Other engineering construction	946	158	1,104	145	103	248	170	106	276

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

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

TABLE 15. Governments, 1954
(Thousands of dollars)

Type of structure	Federal			Provincial			Municipal		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	241,298	43,312	284,610	245,875	117,579	363,454	223,475	83,608	307,083
Total Building Construction	163,606	25,849	189,455	27,595	11,622	39,217	28,827	8,744	37,571
2 Factories, plants, workshops, food canneries	26,903	2,470	29,373	220	148	368	1,277	298	1,575
6 Warehouses, storehouses, refrigerated storage, etc.	10,428	1,277	11,705	2,048	123	2,171	3,074	215	3,289
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	1,567	924	2,491	2,494	55	2,549	851	543	1,394
9 Office buildings	49,634	5,697	55,331	10,303	3,616	13,919	6,200	2,749	8,949
10 Stores, retail and wholesale	623	51	674	3	22	25	613	36	649
11 Garages and service stations	2,566	286	2,852	818	36	854	2,741	151	2,882
12 Theatres, arenas, amusement and recreational buildings	545	278	823	1,250	—	1,250	4,628	393	5,021
14 Schools and other educational buildings	4,878	955	5,833	95	526	621	—	—	—
15 Churches and other religious buildings	1,191	15	1,206	—	—	—	—	—	—
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	909	1,233	2,142	1,396	334	1,730	355	24	379
17 Other institutional buildings	16,313	1,685	17,998	7,897	6,229	14,126	4,577	392	4,969
18 Farm buildings (excluding dwellings)	1,717	183	1,900	54	41	95	—	—	—
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	4,193	355	4,548	40	5	45	—	—	—
20 Aeroplane hangars	8,688	1,723	10,411	—	—	—	194	7	201
22 Armouries, barracks, drill halls, etc.	29,196	6,636	35,834	17	34	51	—	1	1
24 Other building construction	4,255	2,079	6,334	960	453	1,413	4,317	3,935	8,252
Total Engineering Construction	77,692	17,463	95,155	218,280	105,957	324,237	191,648	74,864	269,512
25 Docks, wharves, piers, breakwaters	19,221	1,973	21,194	591	490	1,081	196	40	236
26 Retaining walls, embankments, ripraping	1,072	235	1,307	22	5	27	276	157	433
27 Canals and waterways	3,210	1,065	4,275	421	—	421	54	26	80
28 Dredges and pile driving	3,414	2,134	5,548	—	—	—	23	100	123
29 Dyke construction	843	147	990	8	3	11	101	91	192
31 Other marine construction	601	461	1,062	318	393	711	616	285	911
32 Hard surfaced or paved streets, highways, parking lots, etc.	8,936	997	9,933	74,438	40,476	114,914	50,621	20,008	70,629
33 Gravel or stone streets, highways, roads, parking lots, etc.	1,087	2,566	3,653	49,967	38,328	88,295	8,578	15,101	23,679
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	85	438	523	6,413	4,364	10,777	1,552	2,246	3,798
35 Grading, scraping, oiling, filling	715	891	1,606	44,977	9,708	54,685	3,734	11,030	14,764
36 Sidewalks, paths	1,081	114	1,195	780	428	1,208	15,629	3,945	19,574
37 Aerodromes, landing fields, runways, tarmac	6,192	335	6,527	—	—	—	71	376	447
38 Tile drains, drainage ditches, storm sewers	281	272	553	4,643	144	4,787	20,221	4,018	24,239
39 Water mains, hydrants and services	5,816	603	6,419	323	35	358	1,055	315	1,370
40 Sewage systems and connections	2,321	404	2,725	127	4	131	58,680	6,919	65,599
43 Dams and reservoirs	344	155	499	44	3	47	83	85	168
44 Irrigation and land reclamation projects	100	8	108	4,739	77	4,616	35	65	100
45 Electric power generating plants, including water conveying and controlling structures	847	296	1,143	164	—	164	—	—	—
46 Electric transformer stations	1,008	21	1,029	9	—	9	377	—	377
47 Power transmission and distribution lines, trolley wires	1,276	435	1,711	40	7	47	302	16	318
48 Street lighting (standards, brackets and luminaires)	174	79	253	30	163	193	895	283	1,178
49 Railway tracks and roadbed	6,741	174	6,915	—	—	—	8	—	8
51 Telegraph and telephone lines, underground and marine cables	791	95	886	189	41	230	289	20	309
63 Bridges, trestles, culverts, overpasses, viaducts	3,930	854	8,784	29,252	9,945	39,197	15,095	3,667	18,762
64 Tunnels and subways	212	46	258	41	—	41	2,962	85	3,047
65 Incinerators	16	17	33	2	3	5	4,928	268	5,196
66 Park systems, landscaping, sodding, etc.	1,181	950	2,131	287	678	965	2,581	3,328	5,909
67 Swimming pools, tennis courts, outdoor recreation facilities	106	127	233	40	198	238	3,530	732	4,262
69 Fences, snowsheds, signs, guard rails	411	411	822	395	461	856	642	1,552	2,194
70 Other engineering construction	5,680	1,160	6,840	20	3	23	1,514	96	1,610

TABLE 16. Governments, 1955
(Thousands of dollars)

Type of structure	Federal			Provincial			Municipal		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	259,998	39,665	299,663	308,293	101,231	409,527	237,959	78,089	316,048
Total Building Construction	174,874	23,377	198,251	37,227	10,176	47,403	30,762	8,598	39,360
2 Factories, plants, workshops, food canneries	30,664	2,291	32,955	30	38	68	4,332	630	4,962
6 Warehouses, storehouses, refrigerated storage, etc.	10,274	1,167	11,441	3,914	201	4,115	3,820	123	3,943
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	1,741	824	2,565	537	26	563	734	323	1,057
9 Office buildings	53,962	5,211	59,173	16,144	3,699	19,843	7,041	2,731	9,772
10 Stores, retail and wholesale	627	45	572	4	21	25	385	24	409
11 Garages and service stations	2,696	249	2,945	328	14	342	2,652	40	2,692
12 Theatres, arenas, amusement and recreational buildings	659	240	899	15	—	15	2,581	274	2,855
14 Schools and other educational buildings	4,878	754	5,632	26	429	455	—	—	—
15 Churches and other religious buildings	1,281	13	1,294	—	—	—	—	—	—
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	1,205	1,154	2,359	1,346	119	1,465	614	50	664
17 Other institutional buildings	17,590	1,556	19,146	13,808	5,354	19,162	4,197	409	4,606
18 Farm buildings (excluding dwellings)	1,709	152	1,861	17	38	55	—	—	—
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	4,262	337	4,599	—	—	—	—	—	—
20 Aeroplane hangars	8,392	1,504	9,896	—	—	—	—	5	5
22 Armouries, barracks, drill halls, etc.	30,885	6,087	36,972	22	22	44	—	—	—
24 Other building construction	4,049	1,793	5,842	1,036	215	1,251	4,406	3,989	8,395
Total Engineering Construction	85,124	16,288	101,412	271,066	91,058	362,124	207,197	69,491	276,688
25 Docks, wharves, piers, breakwaters	19,775	2,030	21,805	1,216	327	1,543	355	49	404
26 Retaining walls, embankments, ripraping	1,228	226	1,454	194	—	194	138	24	162
27 Canals and waterways	2,435	987	3,422	514	—	514	26	9	35
28 Dredges and pile driving	3,466	2,138	5,604	—	—	—	24	93	117
29 Dyke construction	630	133	763	—	—	—	85	63	148
31 Other marine construction	663	458	1,121	—	—	—	531	284	815
32 Hard surfaced or paved streets, highways, parking lots, etc.	10,774	827	11,601	88,626	35,793	124,419	54,993	16,101	73,094
33 Gravel or stone streets, highways, roads, parking lots, etc.	1,101	2,397	3,498	63,720	33,414	97,134	12,681	14,036	26,717
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	86	389	475	12,587	4,379	16,966	4,495	4,123	8,618
35 Grading, scraping, oiling, filling	646	819	1,465	50,155	6,768	56,923	4,675	9,349	14,024
36 Sidewalks, paths	1,147	105	1,252	—	41	41	15,894	3,602	19,496
37 Aerodromes, landing fields, runways, tarmac	6,970	295	7,265	31	1	32	31	70	101
38 Tile drains, drainage ditches, storm sewers	257	252	509	6,568	185	6,753	19,326	3,478	22,804
39 Water mains, hydrants and services	8,024	525	8,549	439	18	457	913	246	1,159
40 Sewage systems and connections	3,557	348	3,905	72	4	76	58,735	5,571	64,306
43 Dams and reservoirs	362	144	506	8	4	12	38	71	109
44 Irrigation and land reclamation projects	68	6	74	5,664	169	5,833	33	22	55
45 Electric power generating plants, including water conveying and controlling structures	880	265	1,145	262	41	303	—	—	—
46 Electric transformer stations	1,069	20	1,089	12	—	12	328	—	328
47 Power transmission and distribution lines, trolley wires	1,331	400	1,731	46	7	53	263	16	279
48 Street lighting (standards, brackets and luminaires)	159	72	231	39	151	190	863	638	1,501
49 Railway tracks and roadbed	5,751	161	5,912	—	—	—	11	—	11
51 Telegraph and telephone lines, underground and marine cables	793	87	880	56	6	62	250	19	269
63 Bridges, trestles, culverts, overpasses, viaducts	3,845	817	4,662	40,319	8,541	48,860	13,774	3,883	17,657
64 Tunnels and subways	250	41	291	—	—	—	3,016	82	3,078
65 Incinerators	14	17	31	3	3	6	3,700	633	4,333
66 Park systems, landscaping, sodding, etc.	1,113	814	1,927	131	515	646	2,169	1,539	3,708
67 Swimming pools, tennis courts, outdoor recreation facilities	90	107	197	96	418	514	3,208	347	3,555
69 Fences, snowsheds, signs, guard rails	405	377	782	268	263	531	571	1,427	1,998
70 Other engineering construction	8,235	1,031	9,266	40	10	50	6,071	1,736	7,807

TABLE 17. Governments, 1956
(Thousands of dollars)

Type of structure	Federal			Provincial			Municipal		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	284,509	47,209	331,718	401,761	108,807	510,568	254,460	78,595	333,055
Total Building Construction	194,421	27,948	222,369	45,370	10,898	56,268	38,601	8,643	47,244
Factories, plants, workshops, food canneries	33,156	2,713	35,869	30	37	67	6,688	742	7,430
6 Warehouses, storehouses, refrigerated storage, etc.	11,190	1,375	12,565	4,571	197	4,768	4,197	124	4,321
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	1,954	1,006	2,960	921	37	958	654	323	977
9 Office buildings	60,782	8,169	66,951	18,907	3,936	22,843	9,129	2,674	11,803
10 Stores, retail and wholesale	694	53	747	5	21	28	342	24	366
11 Garages and service stations	3,020	308	3,328	512	15	527	2,973	46	3,019
12 Theatres, arenas, amusement and recreational buildings	721	291	1,012	15	—	15	3,829	277	4,106
14 Schools and other educational buildings	5,328	919	6,247	26	440	466	—	—	—
15 Churches and other religious buildings	1,437	18	1,453	—	—	—	—	—	—
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	1,346	1,371	2,717	53	30	83	667	26	693
17 Other institutional buildings	19,776	1,822	21,598	19,068	5,893	24,961	5,880	423	6,303
18 Farm buildings (excluding dwellings)	1,813	183	1,996	22	39	61	—	—	—
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	4,763	378	5,141	—	—	—	—	—	—
20 Aeroplane hangars	9,580	1,856	11,436	—	—	—	—	5	5
22 Armouries, barracks, drill halls, etc.	34,307	7,373	41,680	28	22	50	—	—	—
24 Other building construction	4,554	2,115	6,669	1,212	231	1,443	4,242	3,979	8,221
Total Engineering Construction	90,088	19,261	109,349	356,391	97,909	454,300	215,859	69,952	285,811
25 Docks, wharves, piers, breakwaters	20,241	2,343	22,584	1,435	361	1,796	319	37	356
26 Retaining walls, embankments, ripraping	1,358	261	1,619	327	—	327	136	27	163
27 Canals and waterways	2,087	1,148	3,235	525	—	525	26	9	35
28 Dredges and pile driving	3,508	2,525	6,033	—	—	—	25	94	119
29 Dyke construction	533	150	683	—	—	—	89	64	153
31 Other marine construction	704	521	1,225	—	—	—	472	284	756
32 Hard surfaced or paved streets, highways, parking lots, etc.	12,029	1,091	13,060	119,564	37,918	157,482	54,832	18,316	73,148
33 Gravel or stone streets, highways, roads, parking lots, etc.	1,184	2,814	3,998	80,195	36,428	116,623	13,077	14,112	27,189
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	91	471	562	23,307	4,780	26,087	4,369	3,998	8,367
35 Grading, scraping, oiling, filling	690	940	1,630	67,845	7,438	75,283	5,270	9,406	14,676
36 Sidewalks, paths	1,120	122	1,242	—	42	42	15,880	3,649	19,529
37 Aerodromes, landing fields, runways, tarmac	7,580	359	7,939	25	10	35	31	73	104
38 Tile drains, drainage ditches, storm sewers	311	307	618	6,402	181	6,583	22,008	3,500	25,508
39 Water mains, hydrants and services	8,706	641	9,347	634	22	656	832	246	1,078
40 Sewage systems and connections	3,778	425	4,203	94	4	98	61,905	5,594	67,499
43 Dams and reservoirs	392	172	564	13	—	13	35	72	107
44 Irrigation and land reclamation projects	65	7	72	5,782	193	5,955	36	22	58
45 Electric power generating plants, including water conveying and controlling structures	903	313	1,216	341	—	341	—	—	—
46 Electric transformer stations	1,151	22	1,173	15	—	15	291	—	291
47 Power transmission and distribution lines, trolley wires	1,485	472	1,957	60	7	67	233	16	249
48 Street lighting (standards, brackets and luminaires)	172	84	256	50	154	204	1,016	646	1,662
49 Railway tracks and roadbed	6,125	194	8,319	—	—	—	12	—	12
51 Telegraph and telephone lines, underground and marine cables	827	103	930	66	4	70	223	19	242
63 Bridges, trestles, culverts, overpasses, viaducts	4,131	936	5,067	48,870	9,015	57,885	15,871	3,943	19,814
64 Tunnels and subways	291	47	338	—	—	—	3,717	83	3,800
65 Incinerators	17	21	38	3	3	6	3,675	683	4,358
66 Park systems, landscaping, sodding, etc.	1,210	998	2,206	195	530	725	2,158	1,546	3,704
67 Swimming pools, tennis courts, outdoor recreation facilities	93	135	228	253	536	789	3,481	350	3,831
69 Fences, showsheds, signs, guard rails	457	448	905	344	268	612	593	1,456	2,049
70 Other engineering construction	8,849	1,253	10,102	66	15	81	5,247	1,707	6,954

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

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Housing:									
1 Dwellings, single, double, duplexes and apartments	1,178,000	221,900	1,399,900	1,495,700	238,000	1,733,700	1,573,500	252,300	1,825,800
Institutions:									
Total Value of Work Performed	296,759	34,743	331,502	369,700	39,443	409,143	402,160	42,667	444,827
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	2,336	14	2,350	50	4	54	74	5	79
9 Office buildings	1,117	20	1,137	342	374	716	320	223	543
12 Theatres, arenas, amusement and recreational buildings	173	10	183	840	16	856	3,615	24	3,639
13 Laundries and dry cleaning establishments	50	—	50	1,179	—	1,179	1	—	1
14 Schools and other educational buildings	150,441	18,369	168,810	196,554	21,396	217,950	215,116	21,565	236,681
15 Churches and other religious buildings	31,108	6,151	37,259	34,058	6,375	40,433	43,988	5,521	49,509
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	106,811	9,195	116,006	129,555	9,850	139,405	129,451	13,808	143,259
17 Other institutional buildings	3,273	416	3,689	4,718	895	5,613	6,462	1,038	9,500
23 Bunkhouses, dormitories, cookeries, residence buildings	115	149	264	802	132	934	156	111	267
24 Other building construction	245	26	271	392	91	483	83	41	124
All engineering construction	1,090	393	1,483	1,210	310	1,520	894	331	1,225

VALUE OF CONSTRUCTION WORK PERFORMED BY TYPE OF STRUCTURE - PROVINCES - 1954-1956¹

TABLE 19. Newfoundland
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	49,611	17,761	67,372	60,802	18,220	79,022	68,003	19,322	87,325
Total Building Construction	29,875	7,625	37,500	35,244	10,757	46,001	41,979	10,531	52,510
Residential	15,200	2,400	17,600	16,400	5,000	21,400	22,100	5,300	27,400
Industrial	3,537	1,917	5,454	4,814	2,128	6,942	2,053	1,859	3,912
Commercial	4,570	1,847	6,417	5,490	1,155	6,645	6,458	1,080	7,538
Institutional	4,186	841	5,027	5,665	1,534	7,199	8,882	1,195	10,077
Other Building Construction	2,382	620	3,002	2,875	940	3,815	2,486	1,097	3,583
Total Engineering Construction	19,736	10,136	29,872	25,558	7,463	33,021	26,024	8,791	34,815
Marine Construction	3,041	1,226	4,267	3,746	1,011	4,757	3,490	1,066	4,556
Road, Highway and Aerodrome Construction	9,124	3,669	12,793	14,049	4,394	18,443	14,266	4,904	19,170
Waterworks and Sewage Systems	2,212	432	2,644	796	374	1,170	621	423	1,044
Dams and Irrigation	211	168	379	225	60	285	167	67	234
Electric Power Construction	1,986	603	2,589	4,530	472	5,002	4,546	622	5,168
Railway, Telephone and Telegraph	747	3,517	4,264	402	927	1,329	1,284	1,449	2,733
Gas and Oil Facilities	677	63	740	939	51	990	494	51	545
Other Engineering Construction	1,738	458	2,196	871	174	1,045	1,156	209	1,365

TABLE 20. Prince Edward Island
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	11,432	4,157	15,589	12,917	5,586	18,503	12,804	5,767	18,571
Total Building Construction	6,674	1,899	8,573	8,017	3,276	11,293	8,230	3,336	11,566
Residential	2,000	400	2,400	3,100	1,700	4,800	3,100	1,800	4,900
Industrial	29	173	202	110	186	296	85	125	210
Commercial	2,468	307	2,775	2,915	260	3,175	2,690	267	2,957
Institutional	1,571	174	1,745	1,152	203	1,355	1,642	189	1,631
Other Building Construction	606	845	1,451	740	927	1,667	713	955	1,668
Total Engineering Construction	4,758	2,258	7,016	4,900	2,310	7,210	4,574	2,431	7,005
Marine Construction	297	268	565	563	342	905	448	340	786
Road, Highway and Aerodrome Construction	3,124	999	4,123	2,585	864	3,449	2,388	905	3,293
Waterworks and Sewage Systems	18	96	114	18	79	97	34	78	112
Dams and Irrigation	39	23	62	44	24	68	45	26	71
Electric Power Construction	752	120	872	479	173	652	1,071	164	1,235
Railway, Telephone and Telegraph	185	562	747	244	491	735	293	724	1,017
Gas and Oil Facilities	7	1	8	700	152	852	18	1	19
Other Engineering Construction	336	189	525	267	185	452	277	193	470

1. Actual 1954, Preliminary 1955, Intentions 1956.

TABLE 21. Nova Scotia
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	98,671	37,347	136,018	107,736	32,716	140,452	115,070	35,731	150,801
Total Building Construction	60,619	16,830	77,449	59,366	21,462	80,828	63,482	22,379	85,861
Residential	28,000	5,100	33,100	31,400	10,700	42,100	33,000	11,300	44,300
1 Dwellings, single, double, duplexes and apartments	28,000	5,100	33,100	31,400	10,700	42,100	33,000	11,300	44,300
Industrial	2,178	5,011	7,189	2,245	4,501	6,746	7,211	4,600	11,811
2 Factories, plants, workshops, food canneries	1,806	4,576	6,382	1,792	3,957	5,749	5,284	3,858	9,142
3 Mine and mine mill buildings	145	79	224	310	90	400	1,685	189	1,874
4 Railway stations, offices, roadway buildings	142	222	364	84	283	367	141	323	464
5 Railway shops, engine houses, water and fuel stations	85	134	219	59	171	230	101	230	331
Commercial	14,813	2,702	17,515	10,609	2,216	12,825	11,236	2,129	13,365
6 Warehouses, storehouses, refrigerated storage, etc.	3,425	562	3,987	1,690	452	2,142	1,259	476	1,735
7 Grain elevators	390	27	417	73	36	109	619	30	649
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	85	201	286	181	175	356	122	202	324
9 Office buildings	4,450	810	5,260	3,404	564	3,968	3,479	563	4,042
10 Stores, retail and wholesale	5,439	855	6,294	4,123	728	4,851	4,572	667	5,239
11 Garages and service stations	757	158	915	623	124	747	999	101	1,100
12 Theatres, arenas, amusement and recreational buildings	221	65	286	355	126	481	114	63	177
13 Laundries and dry cleaning establishments	46	24	70	160	11	171	72	27	99
Institutional	9,663	1,395	11,060	9,557	1,242	10,799	7,258	1,230	8,488
14 Schools and other educational buildings	4,874	451	5,325	5,877	505	6,382	4,775	504	5,279
15 Churches and other religious buildings	947	386	1,333	428	324	752	1,295	287	1,582
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	2,801	394	3,195	2,407	251	2,658	543	267	810
17 Other institutional buildings	1,043	164	1,207	845	162	1,007	645	172	817
Other Building Construction	5,963	2,622	8,585	5,555	2,803	8,358	4,777	3,120	7,897
18 Farm buildings (excluding dwellings)	1,193	1,364	2,557	1,333	1,402	2,735	1,271	1,483	2,754
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	499	44	543	615	51	666	236	135	371
20 Aeroplane hangars	1,354	6	1,360	984	—	984	821	—	821
21 Passenger terminals, bus, boat or air	—	--	—	—	—	—	—	—	—
22 Armouries, barracks, drill halls, etc.	2,241	505	2,746	1,649	460	2,109	1,376	515	1,891
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	210	63	273	631	309	940	787	337	1,124
24 Other building construction	466	640	1,106	343	581	924	286	650	936
Total Engineering Construction	38,052	20,517	58,569	48,370	11,254	59,624	51,588	13,352	64,940
Marine Construction	12,773	1,804	14,577	9,831	1,660	11,491	8,941	1,500	10,441
25 Docks, wharves, piers, breakwaters	7,632	999	8,631	6,091	1,191	7,282	5,812	974	6,786
26 Retaining walls, embankments, ripraping	136	64	200	110	49	159	86	57	143
27 Canals and waterways	3,026	5	3,031	2,226	5	2,231	1,858	5	1,863
28 Dredging and pile driving	1,052	224	1,276	774	204	978	646	228	874
29 Dyke construction	817	128	945	601	117	718	502	131	633
30 Logging booms	—	—	—	—	5	5	—	7	7
31 Other marine construction	110	384	494	29	89	118	37	98	135

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

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	7,736	9,364	17,100	10,040	852	10,892	11,101	1,232	12,333
32 Hard surfaced or paved streets, highways, parking lots, etc.	6,246	2,131	8,377	9,060	186	9,246	9,958	287	10,243
33 Gravel or stone streets, highways, roads, parking lots, etc.	462	7,045	7,507	353	483	836	411	661	1,072
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	13	77	90	11	73	84	13	112	125
35 Grading, scraping, oiling, filling	315	84	399	3	83	86	2	132	134
36 Sidewalks, paths	474	17	491	447	17	464	580	27	607
37 Aerodromes, landing fields, runways, tarmac	226	10	236	166	10	176	139	13	152
Waterworks and Sewage Systems	1,256	422	1,678	1,410	399	1,809	1,411	461	1,872
38 Tile drains, drainage ditches, storm sewers	5	47	52	5	46	51	4	70	74
39 Water mains, hydrants and services	777	293	1,070	792	273	1,065	853	294	1,147
40 Sewage systems and connections	464	65	529	421	65	466	541	90	631
41 Pumping stations, water	10	10	20	176	15	191	13	—	13
42 Water storage tanks	—	7	7	16	—	16	—	7	7
Dams and Irrigation	332	124	456	728	135	863	477	143	620
43 Dams and reservoirs	234	79	313	625	88	713	371	94	485
44 Irrigation and land reclamation projects	98	45	143	103	47	150	106	49	155
Electric Power Construction	5,722	895	6,617	4,352	913	5,265	5,510	969	6,469
45 Electric power generating plants, including water conveying and controlling structures	2,219	88	2,307	1,876	101	1,977	1,807	110	1,917
46 Electric transformer stations	1,681	107	1,788	298	38	336	653	54	707
47 Power transmission and distribution lines, trolley wires	1,640	599	2,239	2,131	715	2,846	2,997	731	3,728
48 Street lighting	182	101	283	47	59	106	53	64	117
Railway, Telephone and Telegraph	5,312	4,591	9,903	5,419	5,268	10,687	4,942	7,254	12,196
49 Railway tracks and roadbed	3,483	3,677	7,160	3,476	4,381	7,857	2,506	6,244	8,750
50 Signals and interlockers	53	64	117	27	93	120	47	106	153
51 Telegraph and telephone lines, underground and marine cables	1,776	850	2,626	1,916	794	2,710	2,389	904	3,293
Gas and Oil Facilities	1,510	892	2,402	13,319	1,088	14,407	16,097	912	17,009
52 Gas mains and services	—	—	—	—	—	—	—	—	—
53 Pumping stations, oil	2	—	2	74	—	74	33	—	33
54 Pumping stations, gas	—	—	—	—	—	—	—	—	—
55 Oil storage tanks	411	260	671	19	261	280	38	61	99
56 Gas storage tanks	—	—	—	—	—	—	2	—	2
57 Oil pipe lines	252	—	252	26	—	26	24	—	24
58 Gas pipe lines	—	—	—	—	—	—	—	—	—
59 Oil wells	—	—	—	—	—	—	—	—	—
60 Gas wells	—	—	—	—	—	—	—	—	—
61 Oil refinery — processing units	845	632	1,477	13,200	827	14,027	16,000	851	16,851
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	3,411	2,425	5,836	3,271	939	4,210	3,109	891	4,000
63 Bridges, trestles, culverts, overpasses, viaducts	2,291	1,720	4,011	2,673	258	2,931	2,810	301	3,111
64 Tunnels and subways	7	37	44	6	37	43	10	42	52
65 Incinerators	—	1	1	—	2	2	—	2	2
66 Park systems, landscaping, sodding, etc.	30	38	68	25	30	55	31	38	69
67 Swimming pools, tennis courts, outdoor recreation facilities	1	4	5	3	4	7	1	6	7
68 Mine shafts and other below surface workings	945	243	1,168	430	251	681	116	110	226
69 Fences, snowsheds, signs, guard rails	106	299	405	111	281	392	122	307	429
70 Other engineering construction	31	83	114	23	76	99	19	85	104

TABLE 22. New Brunswick
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	79,649	31,326	110,975	114,033	35,304	149,337	141,391	39,091	180,482
Total Building Construction	43,594	11,665	55,259	61,004	16,124	77,128	86,785	17,111	103,896
Residential	19,900	3,600	23,500	31,400	8,100	39,500	48,800	8,600	57,400
1. Dwellings, single, double, duplexes and apartments	19,900	3,600	23,500	31,400	8,100	39,500	48,800	8,600	57,400
Industrial	3,158	2,234	5,392	3,218	2,247	5,465	7,323	2,180	9,503
2 Factories, plants, workshops, food canneries	2,225	1,189	3,414	2,775	1,247	4,022	3,967	768	4,735
3 Mine and mine mill buildings	471	12	483	115	47	162	2,958	53	3,011
4 Railway stations, offices, roadway buildings	316	522	838	134	513	647	235	559	794
5 Railway shops, engine houses, water and fuel stations	146	511	657	194	440	634	163	800	963
Commercial	9,352	2,695	12,047	10,207	1,932	12,139	11,144	1,900	13,044
6 Warehouses, storehouses, refrigerated storage, etc.	2,208	604	2,812	1,533	400	1,933	1,769	392	2,161
7 Grain elevators	6	108	114	1	33	34	186	41	227
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	529	284	813	526	288	814	375	321	696
9 Office buildings	2,074	697	2,771	3,018	511	3,529	3,672	524	4,196
10 Stores, retail and wholesale	3,305	624	3,929	3,607	505	4,112	3,520	465	3,985
11 Garages and service stations	667	173	840	960	91	1,051	1,164	94	1,258
12 Theatres, arenas, amusement and recreational buildings	561	182	743	520	70	590	458	36	494
13 Laundries and dry cleaning establishments	2	23	25	42	34	76	—	27	27
Institutional	7,710	1,034	8,744	9,856	1,068	10,924	11,898	1,169	13,067
14 Schools and other educational buildings	3,898	206	4,104	3,471	284	3,755	3,774	309	4,083
15 Churches and other religious buildings	906	144	1,050	1,624	97	1,721	1,253	130	1,383
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	2,437	584	3,021	3,952	406	4,358	5,941	444	6,385
17 Other institutional buildings	469	100	569	809	281	1,090	930	286	1,216
Other Building Construction	3,474	2,102	5,576	6,323	2,777	9,100	7,620	3,262	10,882
18 Farm buildings (excluding dwellings)	1,173	1,319	2,492	1,265	1,371	2,636	1,292	1,454	2,746
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	567	73	640	806	84	890	2,072	86	2,158
20 Aeroplane hangars	69	150	219	69	189	258	72	240	312
21 Passenger terminals, bus, boat or air	—	2	2	24	—	24	11	—	11
22 Armouries, barracks, drill halls, etc.	1,336	302	1,638	2,295	401	2,696	2,417	511	2,928
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	240	68	308	1,741	653	2,394	1,557	868	2,425
24 Other building construction	89	188	277	123	79	202	199	103	302
Total Engineering Construction	36,053	19,681	55,716	53,029	19,180	72,209	54,606	21,980	76,586
Marine Construction	2,889	1,463	4,352	2,189	1,499	3,688	2,301	1,691	3,992
25 Pocks, wharves, piers, breakwaters	2,640	666	3,306	1,771	648	2,419	1,871	765	2,636
26 Retaining walls, embankments, ripraping	72	17	89	112	12	124	118	15	133
27 Canals and waterways	—	—	—	—	—	—	—	—	—
28 Dredging and pile driving	144	574	718	252	714	966	290	772	1,062
29 Dyke construction	—	—	—	—	1	1	—	—	—
30 Logging booms	—	132	132	—	7	7	—	6	6
31 Other marine construction	33	74	107	54	117	171	22	133	155

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

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	13,116	6,487	19,603	16,481	6,364	22,845	15,088	6,373	21,461
32 Hard surfaced or paved streets, highways, parking lots, etc.	9,411	64	9,475	11,002	84	11,086	10,321	95	10,416
33 Gravel or stone streets, highways, roads, parking lots, etc.	2,088	5,655	7,743	4,157	5,753	9,910	3,197	5,755	8,952
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	1,323	713	2,036	1,018	507	1,525	1,310	464	1,774
35 Grading, scraping, oiling, filling	34	25	59	10	3	13	11	3	14
36 Sidewalks, paths	167	28	195	158	17	175	106	56	162
37 Aerodromes, landing fields, runways, tarmac	93	2	95	136	—	136	143	—	143
Waterworks and Sewage Systems	5,170	563	5,733	8,495	762	9,257	9,075	676	9,751
38 Tile drains, drainage ditches, storm sewers	43	30	73	219	35	254	164	43	207
39 Water mains, hydrants and services	3,168	463	3,631	5,109	538	5,647	5,395	540	5,935
40 Sewage systems and connections	1,879	68	1,947	3,137	93	3,230	3,456	93	3,549
41 Pumping stations, water	74	2	76	30	—	30	60	—	60
42 Water storage tanks	6	—	6	—	96	96	—	—	—
Dams and Irrigation	96	128	224	141	48	189	147	185	332
43 Dams and reservoirs	8	87	95	49	6	55	52	140	192
44 Irrigation and land reclamation projects	88	41	129	92	42	134	95	45	140
Electric Power Construction	5,218	494	5,712	13,236	1,036	14,272	13,242	949	14,191
45 Electric power generating plants, including water conveying and controlling structures	4,533	99	4,632	9,718	301	10,019	9,871	158	10,029
46 Electric transformer stations	161	38	199	299	34	333	592	31	623
47 Power transmission and distribution lines, trolley wires	500	345	845	3,184	687	3,871	2,735	745	3,480
48 Street lighting	24	12	36	35	14	49	44	15	59
Railway, Telephone and Telegraph	3,672	8,760	12,432	3,921	7,838	11,759	4,434	10,358	14,792
49 Railway tracks and roadbed	1,211	7,403	8,614	1,686	6,722	8,408	1,188	9,127	10,315
50 Signals and interlockers	126	237	363	43	192	235	86	203	289
51 Telegraph and telephone lines, underground and marine cables	2,335	1,120	3,455	2,192	924	3,116	3,160	1,028	4,188
Gas and Oil Facilities	249	10	259	68	16	84	113	42	157
52 Gas mains and services	—	7	7	—	9	9	—	9	9
53 Pumping stations, oil	—	—	—	22	—	22	13	—	13
54 Pumping stations, gas	—	—	—	—	—	—	—	—	—
55 Oil storage tanks	159	3	162	21	2	23	71	28	99
56 Gas storage tanks	6	—	6	4	—	4	5	—	5
57 Oil pipe lines	56	—	56	6	—	6	5	—	5
58 Gas pipe lines	—	—	—	—	—	—	—	—	—
59 Oil wells	—	—	—	—	—	—	—	—	—
60 Gas wells	28	—	28	15	5	20	21	5	26
61 Oil refinery — processing units	—	—	—	—	—	—	—	—	—
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	5,645	1,756	7,401	8,498	1,617	10,115	10,204	1,706	11,910
63 Bridges, trestles, culverts, overpasses, viaducts	1,379	1,357	2,736	1,109	1,212	2,321	1,656	1,251	2,907
64 Tunnels and subways	9	11	20	6	16	22	11	17	28
65 Incinerators	—	10	10	—	20	20	—	14	14
66 Park systems, landscaping, sodding, etc.	11	46	57	26	37	63	15	47	62
67 Swimming pools, tennis courts, outdoor recreation facilities	3	1	4	205	—	205	5	—	5
68 Mine shafts and other below surface workings	425	2	427	876	—	876	2,056	—	2,056
69 Fences, snowsheds, signs, guard rails	240	288	528	119	276	395	140	303	443
70 Other engineering construction	3,578	41	3,619	6,157	56	6,213	6,321	74	6,395

TABLE 23. Quebec
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	941,039	219,408	1,160,447	1,115,877	227,025	1,342,902	1,240,061	251,151	1,491,212
Total Building Construction	391,539	136,326	727,865	748,842	139,933	888,775	814,118	148,940	963,058
Residential	293,600	57,700	351,300	421,800	59,700	481,500	461,000	63,300	524,300
1 Dwellings, single, double, duplexes and apartments	293,600	57,700	351,300	421,800	59,700	481,500	461,000	63,300	524,300
Industrial	61,898	24,572	86,470	73,633	26,086	99,719	92,403	27,313	119,716
2 Factories, plants, workshops, food canneries	46,651	18,883	65,534	65,648	20,378	86,026	79,031	21,176	100,207
3 Mine and mine mill buildings	9,697	1,639	11,336	5,821	2,325	8,146	11,323	2,279	13,602
4 Railway stations, offices, roadway buildings	2,843	1,803	4,646	744	1,748	2,492	1,367	1,921	3,288
5 Railway shops, engine houses, water and fuel stations	2,707	2,247	4,954	1,420	1,635	3,055	382	1,937	2,619
Commercial	100,783	17,115	117,898	98,250	16,693	114,943	119,075	16,390	133,465
6 Warehouses, storehouses, refrigerated storage, etc.	20,637	1,973	22,610	14,209	2,563	16,772	18,966	2,699	21,665
7 Grain elevators	3,333	526	3,859	239	484	723	3,143	645	3,788
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	4,316	2,557	6,873	6,429	2,645	9,074	11,814	2,386	14,200
9 Office buildings	27,325	4,041	31,366	27,184	3,642	30,826	28,669	3,656	32,325
10 Stores, retail and wholesale	33,385	5,951	39,336	35,952	4,802	40,754	37,233	4,995	42,228
11 Garages and service stations	10,078	1,305	11,383	10,154	1,775	11,929	14,013	1,360	15,373
12 Theatres, arenas, amusement and recreational buildings	1,512	471	1,983	2,977	497	3,474	5,125	379	5,504
13 Laundries and dry cleaning establishments	197	291	488	1,106	285	1,391	112	270	382
Institutional	102,770	17,274	120,044	120,513	17,156	137,669	103,709	20,977	124,686
14 Schools and other educational buildings	43,404	6,439	49,843	54,249	6,776	61,025	54,301	6,792	61,093
15 Churches and other religious buildings	10,440	3,229	13,669	6,687	2,788	9,475	10,566	2,839	13,405
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	44,024	3,401	47,425	53,055	3,001	56,056	30,247	6,120	36,367
17 Other institutional buildings	4,902	4,205	9,107	6,522	4,591	11,113	8,595	5,226	13,821
Other Building Construction	32,488	19,665	52,153	34,646	20,268	54,914	37,931	20,960	58,891
18 Farm buildings (excluding dwellings)	14,102	11,076	25,178	14,457	11,529	25,986	14,972	12,220	27,192
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	3,881	211	4,092	4,177	481	4,658	3,890	297	4,287
20 Aeroplane hangars	594	290	884	855	176	1,031	3,213	263	3,476
21 Passenger terminals, bus, boat or air	27	100	127	1	33	34	52	37	89
22 Armouries, barracks, drill halls, etc.	7,055	1,710	8,765	8,328	1,728	10,056	9,684	2,045	11,729
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	1,827	2,225	4,052	2,192	2,112	4,304	1,691	1,792	3,483
24 Other building construction	5,002	4,053	9,055	4,636	4,209	8,845	4,329	4,306	8,635
Total Engineering Construction	349,500	83,082	432,582	367,035	87,092	454,127	425,943	102,211	528,154
Marine Construction	14,347	2,719	17,066	27,161	2,099	29,260	71,140	3,821	74,961
25 Docks, wharves, piers, breakwaters	9,343	689	10,032	8,379	801	9,180	23,077	835	23,912
26 Retaining walls, embankments, ripraping	1,072	66	1,138	1,058	128	1,186	1,009	140	1,149
27 Canals and waterways	1,136	600	1,736	7,451	238	7,689	31,126	617	31,743
28 Dredging and pile driving	1,090	436	1,526	6,529	265	6,794	12,507	1,323	13,830
29 Dyke construction	56	6	62	11	4	15	—	5	5
30 Logging booms	443	141	584	2,879	190	3,069	1,637	425	2,062
31 Other marine construction	1,207	781	1,988	854	473	1,327	1,784	476	2,260

TABLE 23. Quebec — Concluded
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	87,313	25,672	112,985	94,905	25,223	120,128	94,195	27,260	121,455
32 Hard surfaced or paved streets, highways, parking lots, etc. ..	41,659	10,279	51,938	45,141	10,460	55,601	44,198	10,937	55,135
33 Gravel or stone streets, highways, roads, parking lots, etc. ..	19,580	9,242	28,822	22,686	8,300	30,986	22,422	9,020	31,442
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	8,794	3,906	12,700	8,900	4,202	13,102	9,282	4,898	14,180
35 Grading, scraping, oiling, filling	8,914	1,592	10,506	10,112	1,600	11,712	10,318	1,738	12,056
36 Sidewalks, paths	5,988	562	6,550	5,220	581	5,801	4,678	575	5,253
37 Aerodromes, landing fields, runways, tarmac	2,378	91	2,469	2,846	80	2,926	3,297	92	3,389
Waterworks and Sewage Systems	56,039	5,315	61,354	56,665	4,801	61,466	54,114	6,198	60,312
38 Tile drains, drainage ditches, storm sewers	12,101	102	12,203	12,083	119	12,202	11,481	143	11,624
39 Water mains, hydrants and services	14,478	3,583	18,061	18,623	3,089	21,712	19,769	4,389	24,158
40 Sewage systems and connections	26,892	1,459	28,351	23,638	1,498	25,136	20,990	1,530	22,520
41 Pumping stations, water	506	147	653	1,304	74	1,378	1,546	116	1,662
42 Water storage tanks	2,062	24	2,086	1,017	21	1,038	328	20	348
Dams and Irrigation	7,382	1,354	8,736	6,005	1,564	7,569	6,899	1,409	8,308
43 Dams and reservoirs	6,338	1,018	7,356	4,960	1,216	6,176	5,712	1,040	6,752
44 Irrigation and land reclamation projects	1,044	336	1,380	1,045	348	1,393	1,187	369	1,556
Electric Power Construction	97,523	6,982	104,505	90,131	7,815	97,946	109,128	7,955	117,083
45 Electric power generating plants, including water conveying and controlling structures	55,599	2,504	58,103	50,346	2,673	53,019	58,748	2,783	61,531
46 Electric transformer stations	3,067	227	3,294	4,909	1,515	6,424	11,451	1,654	13,105
47 Power transmission and distribution lines, trolley wires	37,821	3,951	41,772	33,515	3,365	36,880	37,553	3,292	40,845
48 Street lighting	1,036	300	1,336	1,361	262	1,623	1,376	226	1,602
Railway, Telephone and Telegraph	31,157	27,202	58,359	29,654	31,890	61,544	30,398	41,103	71,501
49 Railway tracks and roadbed	11,865	20,004	31,869	8,231	23,304	31,535	7,649	32,459	40,108
50 Signals and interlockers	1,438	710	2,148	180	758	938	1,008	664	1,672
51 Telegraph and telephone lines, underground and marine cables	17,854	6,488	24,342	21,243	7,828	29,071	21,741	7,980	29,721
Gas and Oil Facilities	27,657	4,371	32,028	33,038	4,254	37,292	21,175	4,309	25,484
52 Gas mains and services	492	326	818	1,686	457	2,143	1,704	502	2,206
53 Pumping stations, oil	1,064	108	1,172	61	65	126	9	46	55
54 Pumping stations, gas	480	—	480	—	—	—	—	—	—
55 Oil storage tanks	3,360	340	3,700	1,140	49	1,189	2,564	42	2,606
56 Gas storage tanks	1,509	33	1,542	288	25	313	581	25	606
57 Oil pipe lines	1,853	1,091	2,944	517	77	594	94	70	164
58 Gas pipe lines	77	56	133	5	16	21	83	16	99
59 Oil wells	—	—	—	—	—	—	—	—	—
60 Gas wells	—	—	—	—	—	—	6	—	6
81 Oil refinery — processing units	18,822	2,417	21,239	29,341	3,565	32,906	16,134	3,608	19,742
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	28,082	9,467	37,549	29,476	9,446	38,922	38,894	10,156	49,050
63 Bridges, trestles, culverts, overpasses, viaducts	12,589	5,540	18,129	14,481	5,350	19,831	22,125	5,750	27,875
64 Tunnels and subways	2,127	34	2,161	1,685	57	1,742	1,825	64	1,889
65 Incinerators	2,315	199	2,514	2,035	202	2,237	1,846	220	2,066
66 Park systems, landscaping, sodding, etc.	1,534	745	2,279	1,436	747	2,183	1,346	747	2,093
67 Swimming pools, tennis courts, outdoor recreation facilities	689	327	1,016	583	301	884	545	311	856
68 Mine shafts and other below surface workings	5,305	388	5,693	6,241	675	6,916	7,765	672	8,437
69 Fences, snowsheds, signs, guard rails	1,182	1,975	3,157	1,084	1,832	2,916	1,256	1,959	3,215
70 Other engineering construction	2,341	259	2,600	1,931	282	2,213	2,186	433	2,619

TABLE 24. Ontario
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	1,317,329	382,435	1,699,764	1,469,898	371,772	1,841,670	1,767,901	404,425	2,172,326
Total Building Construction	962,427	205,847	1,168,274	1,094,820	198,777	1,293,597	1,226,004	210,411	1,436,415
Residential	484,900	89,900	574,800	587,800	81,600	669,400	618,400	86,500	704,900
1 Dwellings, single, double, duplexes and apartments	484,900	89,900	574,800	587,800	81,600	669,400	618,400	86,500	704,900
Industrial	143,501	46,864	190,365	139,840	47,304	187,144	202,045	51,872	253,917
2 Factories, plants, workshops, food canneries	128,911	38,327	167,238	124,132	36,901	161,033	170,022	39,907	209,929
3 Mine and mine mill buildings	11,154	2,917	14,071	12,963	3,774	16,737	27,941	4,082	32,023
4 Railway stations, offices, roadway buildings	2,091	3,145	5,236	1,729	4,323	6,052	2,664	4,862	7,526
5 Railway shops, engine houses, water and fuel stations	1,345	2,475	3,620	1,016	2,306	3,322	1,418	3,021	4,439
Commercial	183,255	31,719	214,974	186,524	29,920	216,444	197,394	30,011	227,405
6 Warehouses, storehouses, refrigerated storage, etc.	24,481	3,065	27,546	27,937	3,472	31,409	29,728	4,088	33,816
7 Grain elevators	2,296	1,185	3,481	689	575	1,264	782	598	1,380
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	6,361	3,636	9,997	8,108	3,027	11,135	10,619	3,155	13,774
9 Office buildings	68,234	11,120	79,354	58,572	10,620	69,192	64,538	10,176	74,712
10 Stores, retail and wholesale	65,738	9,563	75,301	70,380	8,647	79,027	66,318	8,239	74,557
11 Garages and service stations	11,252	2,148	13,400	13,369	2,900	16,289	16,330	3,153	19,483
12 Theatres, arenas, amusement and recreational buildings	4,616	744	5,360	6,858	396	7,254	8,976	360	9,336
13 Laundries and dry cleaning establishments	277	258	535	591	283	874	105	242	347
Institutional	115,683	11,365	127,048	139,876	13,500	153,376	167,969	13,700	181,669
14 Schools and other educational buildings	59,815	6,078	65,893	70,775	7,143	77,918	81,111	7,317	88,428
15 Churches and other religious buildings	10,779	1,207	11,986	16,316	1,634	17,950	17,961	1,052	19,013
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	35,090	2,580	37,670	41,504	3,305	44,809	54,373	3,807	58,180
17 Other institutional buildings	9,999	1,500	11,499	11,281	1,418	12,699	14,524	1,524	16,048
Other Building Construction	35,088	25,999	61,087	40,780	26,453	67,233	40,196	28,328	68,524
18 Farm buildings (excluding dwellings)	17,975	21,944	39,919	19,170	22,741	41,911	19,159	24,093	43,252
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	5,204	325	5,529	5,987	176	6,163	5,961	274	6,235
20 Aeroplane hangars	2,456	444	2,900	2,589	484	3,073	3,099	481	3,580
21 Passenger terminals, bus, boat or air	252	20	272	370	24	394	175	23	198
22 Armouries, barracks, drill halls, etc.	6,885	1,638	8,523	7,744	1,485	9,229	8,243	1,710	9,953
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	1,429	900	2,329	3,555	800	4,355	2,215	911	3,126
24 Other building construction	887	728	1,615	1,365	743	2,108	1,344	836	2,180
Total Engineering Construction	354,902	176,588	531,490	375,078	172,995	548,073	541,897	194,014	735,911
Marine Construction	17,609	3,641	21,250	14,439	3,018	17,457	27,938	3,399	31,337
25 Docks, wharves, piers, breakwaters	5,761	1,607	7,368	5,087	1,326	6,413	5,998	1,550	7,548
26 Retaining walls, embankments, ripraping	240	115	355	224	98	322	236	113	349
27 Canals and waterways	478	925	1,403	338	787	1,125	4,260	938	5,198
28 Dredging and pile driving	10,355	497	10,852	8,138	402	8,540	16,251	456	16,707
29 Dyke construction	64	53	117	161	94	255	109	68	177
30 Logging booms	246	248	494	173	104	277	298	51	349
31 Other marine construction	465	196	661	318	207	525	786	223	1,009

TABLE 24. Ontario — Concluded
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	78,264	66,227	144,491	99,669	64,716	164,385	120,348	65,437	185,785
32 Hard surfaced or paved streets, highways, parking lots, etc.	38,459	33,107	71,566	49,272	32,108	81,380	59,311	32,586	91,897
33 Gravel or stone streets, highways, roads, parking lots, etc.	8,033	16,217	24,250	10,454	15,768	26,222	12,166	15,766	27,932
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)	1,474	2,938	4,412	954	2,949	3,903	469	3,204	3,673
35 Grading, scraping, oiling, filling	23,981	11,334	35,315	30,985	11,189	42,174	39,583	11,225	50,808
36 Sidewalks, paths	4,019	2,509	6,528	5,386	2,506	7,892	6,067	2,504	8,571
37 Aerodromes, landing fields, runways, tarmac	2,298	122	2,420	2,618	198	2,814	2,752	152	2,904
Waterworks and Sewage Systems	48,597	8,930	57,527	57,408	9,255	66,663	76,823	8,929	85,752
38 Tile drains, drainage ditches, storm sewers	5,435	2,339	7,774	6,791	2,310	9,101	7,709	2,304	10,013
39 Water mains, hydrants and services	17,780	3,131	20,911	17,355	3,480	20,835	26,423	3,097	29,520
40 Sewage systems and connections	22,683	3,022	25,705	29,397	2,996	32,393	32,362	3,005	35,367
41 Pumping stations, water	821	373	1,194	2,291	444	2,735	9,159	468	9,627
42 Water storage tanks	1,878	65	1,943	1,574	25	1,599	1,170	55	1,225
Dams and Irrigation	4,034	998	5,032	6,434	882	7,316	10,264	957	11,221
43 Dams and reservoirs	2,786	309	3,095	5,176	168	5,344	8,933	202	9,135
44 Irrigation and land reclamation projects	1,248	689	1,937	1,258	714	1,972	1,331	755	2,086
Electric Power Construction	112,667	15,212	127,879	92,513	16,419	108,932	153,752	16,738	170,490
45 Electric power generating plants, including water conveying and controlling structures	57,732	3,335	61,067	40,923	3,630	44,553	96,115	3,752	99,867
46 Electric transformer stations	6,595	2,078	8,673	9,069	1,788	10,857	9,830	1,843	11,673
47 Power transmission and distribution lines, trolley wires	47,059	9,101	56,160	41,551	10,345	51,896	46,648	10,484	57,132
48 Street lighting	1,281	698	1,979	970	656	1,626	1,159	659	1,818
Railway, Telephone and Telegraph	36,007	58,576	94,583	49,542	57,876	107,418	51,435	77,436	128,871
49 Railway tracks and roadbed	10,371	46,680	57,051	17,654	45,439	63,093	18,618	63,471	82,089
50 Signals and interlockers	1,275	1,905	3,180	650	1,257	1,907	1,296	1,444	2,740
51 Telegraph and telephone lines, underground and marine cables	24,381	9,991	34,352	31,238	11,180	42,418	31,521	12,521	44,042
Gas and Oil Facilities	20,607	9,625	30,232	16,785	8,367	25,152	38,200	7,570	45,770
52 Gas mains and services	1,478	661	2,139	5,526	984	6,510	7,276	1,113	8,389
53 Pumping stations, oil	822	221	1,043	259	161	420	839	167	1,006
54 Pumping stations, gas	485	—	485	142	8	150	175	10	185
55 Oil storage tanks	1,711	557	2,268	1,929	853	2,782	2,406	1,304	3,710
56 Gas storage tanks	388	879	1,267	281	339	620	653	15	668
57 Oil pipe lines	599	346	945	111	354	465	1,634	1	1,635
58 Gas pipe lines	8,660	515	9,175	1,033	251	1,284	451	510	961
59 Oil wells	81	11	92	297	9	306	182	8	190
60 Gas wells	1,672	163	1,835	849	156	1,005	1,088	151	1,239
61 Oil refinery — processing units	4,711	6,258	10,969	6,358	5,252	11,610	23,496	4,291	27,787
62 Natural gas cleaning plants	—	14	14	—	—	—	—	—	—
Other Engineering Construction	37,117	13,379	50,496	38,288	12,462	50,730	63,137	13,548	76,685
63 Bridges, trestles, culverts, overpasses, viaducts	15,240	5,931	21,171	18,795	5,593	24,388	24,783	6,069	30,852
64 Tunnels and subways	5,032	144	5,176	1,887	172	2,059	2,249	191	2,440
65 Incinerators	1,383	77	1,460	1,719	69	1,788	1,905	70	1,975
66 Park systems, landscaping, sodding, etc.	1,571	1,895	3,466	1,683	1,810	3,493	1,877	1,877	3,754
67 Swimming pools, tennis courts, outdoor recreation facilities	1,995	196	2,191	2,945	138	3,083	3,052	136	3,188
68 Mine shafts and other below surface workings	7,519	375	7,894	8,008	196	8,204	25,776	407	26,183
69 Fences, snowsheds, signs, guard rails	1,782	4,300	6,082	1,890	4,121	6,011	2,295	4,369	8,664
70 Other engineering construction	2,595	461	3,056	1,361	363	1,724	1,200	429	1,629

TABLE 25. Manitoba
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction	179,031	61,946	240,977	190,740	63,626	254,366	233,366	71,691	305,057
Total Building Construction	110,794	29,497	140,291	133,473	32,763	166,236	145,877	34,847	180,724
Residential	57,400	10,900	68,300	70,300	14,000	84,300	67,600	14,900	82,500
1 Dwellings, single, double, duplexes and apartments	57,400	10,900	68,300	70,300	14,000	84,300	67,600	14,900	82,500
Industrial	8,613	5,308	13,921	8,838	5,393	14,231	8,650	5,438	14,088
2 Factories, plants, workshops, food canneries	7,530	2,788	10,318	8,077	3,044	11,121	6,946	2,831	9,777
3 Mine and mine mill buildings	279	187	466	310	150	460	221	150	371
4 Railway stations, offices, roadway buildings	401	979	1,380	291	1,243	1,534	495	1,322	1,817
5 Railway shops, engine houses, water and fuel stations	403	1,354	1,757	160	956	1,118	988	1,135	2,123
Commercial	24,254	4,502	28,756	24,078	5,034	29,112	34,096	5,240	39,336
6 Warehouses, storehouses, refrigerated storage, etc.	3,725	530	4,255	3,361	649	4,010	6,271	657	6,928
7 Grain elevators	1,557	491	2,046	1,989	549	2,538	837	478	1,315
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	690	468	1,158	298	456	754	4,032	675	4,707
9 Office buildings	8,681	1,075	9,756	9,444	1,258	10,702	13,234	1,346	14,580
10 Stores, retail and wholesale	7,441	1,447	8,888	6,902	1,604	8,506	7,243	1,553	8,796
11 Garages and service stations	1,764	287	2,051	1,550	264	1,814	1,375	296	1,671
12 Theatres, arenas, amusement and recreational buildings	392	147	539	451	193	644	1,071	188	1,259
13 Laundries and dry cleaning establishments	4	57	61	83	61	144	33	47	60
Institutional	10,223	2,675	12,898	18,843	2,345	21,188	22,361	2,579	24,940
14 Schools and other educational buildings	4,053	1,868	5,921	8,382	1,526	9,908	8,808	1,552	10,360
15 Churches and other religious buildings	757	123	880	1,241	157	1,398	2,725	214	2,939
16 Hospitals, sanatoria, clinics, first-aid stations, etc.	3,517	424	3,941	6,775	571	7,346	6,753	636	7,389
17 Other institutional buildings	1,896	260	2,156	2,445	91	2,536	4,075	177	4,252
Other Building Construction	10,304	6,112	16,416	11,414	5,991	17,405	13,170	6,690	19,860
18 Farm buildings (excluding dwellings)	6,216	4,661	10,877	6,558	4,832	11,390	6,857	5,123	11,980
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	577	180	757	365	18	383	432	57	489
20 Aeroplane hangars	1,122	188	1,310	1,279	96	1,375	1,744	126	1,670
21 Passenger terminals, bus, boat or air	—	—	—	—	—	—	—	—	—
22 Armouries, barracks, drill halls, etc.	2,178	937	3,115	2,866	841	3,707	3,871	1,129	5,000
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	167	102	269	333	167	500	248	207	455
24 Other building construction	44	44	88	13	37	50	18	48	66
Total Engineering Construction	68,237	32,449	100,686	57,267	30,863	88,130	87,489	36,844	124,333
Marine Construction	337	423	760	297	327	624	305	470	775
25 Docks, wharves, piers, breakwaters	236	133	369	186	63	229	232	107	339
26 Retaining walls, embankments, ripraping	14	4	18	3	2	5	4	2	6
27 Canals and waterways	28	20	46	21	18	39	20	24	44
28 Dredging and pile driving	14	252	266	12	226	240	11	310	321
29 Dyke construction	45	14	59	34	10	44	30	11	41
30 Logging booms	—	—	—	61	—	61	8	—	6
31 Other marine construction	—	—	—	—	6	6	—	16	16

TABLE 25. Manitoba — Concluded
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	13,965	4,266	18,231	11,532	4,192	15,724	26,248	5,506	31,754
32 Hard surfaced or paved streets, highways, parking lots, etc.	6,135	2,414	8,549	5,779	1,160	6,939	11,751	1,550	13,301
33 Gravel or stone streets, highways, roads, parking lots, etc.	2,512	989	3,501	865	1,567	2,432	2,074	2,336	4,410
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable).....	226	286	512	4,447	385	4,832	11,654	352	12,006
35 Grading, scraping, oiling, filling	4,855	411	5,266	231	929	1,160	573	1,094	1,667
36 Sidewalks, paths.....	223	116	339	198	106	304	184	114	298
37 Aerodromes, landing fields, runways, tarmac	14	50	64	12	45	57	12	60	72
Waterworks and Sewage Systems	4,957	1,457	6,414	4,405	1,733	6,138	4,801	1,781	6,582
38 Tile drains, drainage ditches, storm sewers	444	102	546	242	177	419	222	181	403
39 Water mains, hydrants and services	2,283	787	3,070	2,126	832	2,958	2,043	863	2,906
40 Sewage systems and connections	2,159	551	2,710	1,940	524	2,464	1,852	540	2,392
41 Pumping stations, water	71	9	80	60	199	259	403	195	598
42 Water storage tanks	—	8	8	37	1	38	281	2	283
Dams and Irrigation	542	249	791	957	353	1,310	1,349	425	1,774
43 Dams and reservoirs	70	106	176	101	44	145	94	49	143
44 Irrigation and land reclamation projects	472	143	615	856	309	1,165	1,255	376	1,631
Electric Power Construction	14,671	1,795	16,466	10,262	1,418	11,680	19,008	1,462	20,470
45 Electric power generating plants, including water conveying and controlling structures	6,530	445	6,975	4,786	425	5,211	11,153	706	11,859
46 Electric transformer stations	107	24	131	1,419	33	1,452	2,747	63	2,810
47 Power transmission and distribution lines, trolley wires	7,976	1,310	9,286	3,961	942	4,903	5,042	690	5,732
48 Street lighting	58	16	74	96	18	114	66	3	69
Railway, Telephone and Telegraph	7,428	19,914	27,342	8,318	18,310	26,628	9,619	22,318	31,937
49 Railway tracks and roadbed	1,885	16,778	18,663	3,078	14,790	17,868	3,528	18,517	22,045
50 Signals and interlockers	333	332	665	95	459	554	199	463	662
51 Telegraph and telephone lines, underground and marine cables	5,210	2,804	8,014	5,145	3,061	8,206	5,892	3,338	9,230
Gas and Oil Facilities	19,690	597	20,287	16,311	931	17,242	17,274	891	18,163
52 Gas mains and services	298	—	298	499	—	499	2,465	—	2,465
53 Pumping stations, oil	2,870	94	2,964	532	133	665	270	153	423
54 Pumping stations, gas	—	—	—	132	—	132	106	—	106
55 Oil storage tanks	936	40	976	985	121	1,106	912	137	1,049
56 Gas storage tanks	54	13	67	21	5	26	60	6	66
57 Oil pipe lines	3,321	44	3,365	373	55	428	4,830	70	4,900
58 Gas pipe lines	—	—	—	—	—	—	1,330	—	1,330
59 Oil wells	5,076	62	5,138	6,671	194	6,865	6,190	187	6,377
60 Gas wells	—	—	—	163	—	163	4	—	4
61 Oil refinery — processing units	7,135	344	7,479	6,935	423	7,358	1,107	338	1,445
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	6,647	3,748	10,395	5,185	3,599	8,784	8,885	3,991	12,876
63 Bridges, trestles, culverts, overpasses, viaducts	3,371	1,080	4,451	2,712	1,225	3,937	5,279	1,506	6,785
64 Tunnels and subways	41	20	61	20	33	53	33	35	68
65 Incinerators	—	—	—	—	—	—	—	—	—
66 Park systems, landscaping, sodding, etc.	60	71	131	74	63	137	96	75	171
67 Swimming pools, tennis courts, outdoor recreation facilities	600	39	639	2	35	37	2	45	47
68 Mine shafts and other below surface workings	1,550	648	2,198	1,356	528	1,884	2,221	529	2,750
69 Fences, snowsheds, signs, guard rails	428	805	1,233	444	709	1,153	491	757	1,248
70 Other engineering construction	597	1,085	1,682	577	1,006	1,583	763	1,044	1,807

TABLE 26. Saskatchewan
(Thousands of dollars)

TABLE 26. Saskatchewan — Concluded
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	17,196	11,609	28,805	16,947	9,795	26,742	17,806	10,922	28,728
32 Hard surfaced or paved streets, highways, parking lots, etc.	8,860	2,715	11,575	7,347	3,019	10,366	7,880	3,231	11,111
33 Gravel or stone streets, highways, roads, parking lots, etc.	5,467	3,040	8,507	6,713	5,547	12,260	7,607	6,421	14,028
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable).....	517	1,037	1,554	1,008	984	1,992	849	916	1,765
35 Grading, scraping, oiling, filling	358	4,491	4,849	217	135	352	173	188	361
36 Sidewalks, paths	1,333	297	1,630	1,593	101	1,694	1,248	130	1,378
37 Aerodromes, landing fields, runways, tarmac	661	29	690	69	9	78	49	36	85
Waterworks and Sewage Systems	12,606	2,181	14,787	5,642	484	6,126	6,891	524	7,415
38 Tile drains, drainage ditches, storm sewers	1,030	672	1,702	2,654	191	2,845	2,723	213	2,936
39 Water mains, hydrants and services	8,463	347	8,810	1,772	173	1,945	1,602	185	1,787
40 Sewage systems and connections	2,167	1,096	3,263	1,155	87	1,242	1,595	104	1,699
41 Pumping stations, water	918	66	984	55	24	79	971	21	992
42 Water storage tanks	28	—	28	6	9	15	—	1	1
Dams and Irrigation	1,260	277	1,537	2,224	304	2,528	1,282	337	1,619
43 Dams and reservoirs	260	6	266	144	19	163	19	35	54
44 Irrigation and land reclamation projects	1,000	271	1,271	2,080	285	2,365	1,263	302	1,565
Electric Power Construction	6,780	642	7,422	13,556	1,606	15,162	28,084	1,953	30,037
45 Electric power generating plants, including water conveying and controlling structures	839	66	905	4,219	469	4,688	12,998	537	13,535
46 Electric transformer stations	13	—	13	254	98	352	104	5	109
47 Power transmission and distribution lines, trolley wires	5,178	431	5,609	8,837	672	9,509	14,754	1,009	15,763
48 Street lighting	750	145	895	246	367	613	228	402	630
Railway, Telephone and Telegraph	8,872	16,715	25,587	7,086	15,255	22,341	8,578	19,929	28,507
49 Railway tracks and roadbed	2,100	14,882	16,982	3,055	13,237	16,292	3,283	17,703	20,986
50 Signals and interlockers	221	271	492	85	400	485	185	429	614
51 Telegraph and telephone lines, underground and marine cables	6,551	1,562	8,113	3,946	1,618	5,564	5,110	1,797	6,907
Gas and Oil Facilities	51,747	2,081	53,828	44,742	2,197	46,939	34,884	2,525	37,409
52 Gas mains and services	666	10	676	1,460	7	1,467	1,072	10	1,082
53 Pumping stations, oil	2,112	231	2,343	369	198	567	121	255	376
54 Pumping stations, gas	—	—	—	8	1	9	3	1	4
55 Oil storage tanks	1,725	35	1,760	3,423	151	3,574	3,328	205	3,533
56 Gas storage tanks	7	—	7	176	—	176	86	—	66
57 Oil pipe lines	24,358	112	24,470	3,926	117	4,043	2,750	156	2,906
58 Gas pipe lines	862	2	864	7,035	5	7,040	649	19	668
59 Oil wells	14,869	330	15,199	25,748	412	26,160	25,148	816	25,964
60 Gas wells	501	2	503	252	—	252	106	1	107
61 Oil refinery — processing units	6,647	1,359	8,006	2,345	1,306	3,651	1,651	1,062	2,683
62 Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	6,513	3,725	10,238	6,028	3,030	9,058	6,571	2,909	9,480
63 Bridges, trestles, culverts, overpasses, viaducts	1,610	849	2,459	1,462	1,114	2,576	1,709	1,044	2,753
64 Tunnels and subways	15	23	38	17	39	56	29	62	91
65 Incinerators	765	—	765	18	88	106	—	119	119
66 Park systems, landscaping, sodding, etc.	348	517	865	221	33	254	208	44	252
67 Swimming pools, tennis courts, outdoor recreation facilities	56	258	314	39	2	41	41	2	43
68 Mine shafts and other below surface workings	1,972	548	2,520	2,736	385	3,121	3,201	184	3,385
69 Fences, snowsheds, signs, guard rails	686	1,249	1,935	697	1,091	1,788	761	1,164	1,925
70 Other engineering construction	1,061	281	1,342	838	278	1,116	622	290	912

TABLE 27. Alberta
(Thousands of dollars)

TABLE 27. Alberta — Concluded
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	44,434	16,332	60,766	50,739	11,551	62,290	51,764	12,088	63,852
32 Hard surfaced or paved streets, highways, parking lots, etc.	18,493	5,539	24,032	18,945	2,947	21,892	19,827	3,395	23,222
33 Gravel or stone streets, highways, roads, parking lots, etc.	13,685	9,482	23,167	17,775	6,612	24,387	17,848	6,743	24,591
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable).....	1,492	672	2,164	3,340	1,462	4,802	3,668	1,365	5,033
35 Grading, scraping, oiling, filling	7,945	375	8,320	8,184	207	8,391	7,863	267	8,130
36 Sidewalks, paths	2,819	148	2,967	2,495	245	2,740	2,558	216	2,774
37 Aerodromes, landing fields, runways, tarmac	—	116	116	—	78	78	—	102	102
Waterworks and Sewage Systems	16,722	2,445	19,167	14,325	1,737	16,062	20,159	1,820	21,979
38 Tile drains, drainage ditches, storm sewers.....	6,046	142	6,188	3,801	329	4,130	6,298	363	6,661
39 Water mains, hydrants and services	5,375	1,529	6,904	5,120	915	6,035	6,022	944	6,966
40 Sewage systems and connections	4,978	579	5,557	5,171	455	5,626	6,948	495	7,443
41 Pumping stations, water.....	304	195	499	203	38	241	779	18	797
42 Water storage tanks.....	19	—	19	30	—	30	112	—	112
Dams and Irrigation	7,079	304	7,383	4,589	324	4,913	4,673	421	5,094
43 Dams and reservoirs	2,319	26	2,345	989	16	1,005	791	129	920
44 Irrigation and land reclamation projects	4,760	278	5,038	3,600	308	3,908	3,882	292	4,174
Electric Power Construction.....	10,337	2,477	12,814	16,523	2,115	18,638	18,107	2,304	20,411
45 Electric power generating plants, including water conveying and controlling structures	3,118	160	3,278	6,841	158	6,999	5,405	173	5,578
46 Electric transformer stations.....	796	124	920	1,333	229	1,562	2,036	162	2,198
47 Power transmission and distribution lines, trolley wires	5,921	2,059	7,980	7,686	1,581	9,267	9,470	1,791	11,261
48 Street lighting	502	134	636	663	147	810	1,196	178	1,374
Railway, Telephone and Telegraph	12,127	17,040	29,167	11,449	16,131	27,580	12,694	19,760	32,454
49 Railway tracks and roadbed.....	5,271	14,985	20,256	5,602	14,003	19,605	6,060	17,427	23,487
50 Signals and interlockers.....	479	292	771	106	391	497	215	425	640
51 Telegraph and telephone lines, underground and marine cables	6,377	1,763	8,140	5,741	1,737	7,478	6,419	1,908	8,327
Gas and Oil Facilities.....	107,763	5,456	113,221	132,335	5,670	138,005	182,003	6,673	188,676
52 Gas mains and services	2,642	274	2,916	2,321	406	2,727	5,178	505	5,683
53 Pumping stations, oil	744	281	1,025	1,422	178	1,600	1,378	213	1,591
54 Pumping stations, gas	61	—	61	85	10	95	—	—	—
55 Oil storage tanks.....	3,016	197	3,213	3,932	174	4,106	4,454	202	4,656
56 Gas storage tanks	12	—	12	—	—	—	—	—	—
57 Oil pipe lines.....	16,157	333	16,490	11,560	279	11,839	5,736	343	6,079
58 Gas pipe lines	3,586	496	4,082	3,899	232	4,131	25,866	254	26,120
59 Oil wells.....	66,289	1,774	68,063	79,748	1,804	81,552	101,669	2,268	103,937
60 Gas wells	5,724	80	5,804	14,365	124	14,489	21,759	221	21,980
61 Oil refinery — processing units	6,469	1,946	8,415	12,889	2,302	15,191	8,529	2,559	11,088
62 Natural gas cleaning plants	3,065	75	3,140	2,114	161	2,275	7,434	108	7,542
Other Engineering Construction	13,005	6,294	19,299	17,576	4,747	22,323	20,323	5,326	23,649
63 Bridges, trestles, culverts, overpasses, viaducts	9,302	3,266	12,568	15,081	2,754	17,835	16,169	3,077	19,246
64 Tunnels and subways	225	19	244	28	29	57	690	31	721
65 Incinerators	611	1	612	10	5	15	13	5	18
66 Park systems, landscaping, sodding, etc.....	359	998	1,357	223	294	517	384	383	767
67 Swimming pools, tennis courts, outdoor recreation facilities	817	105	922	20	58	78	12	70	82
68 Mine shafts and other below surface workings	7	42	49	4	77	81	543	66	609
69 Fences, snowsheds, signs, guard rails	925	1,365	2,290	886	1,153	2,039	939	1,250	2,189
70 Other engineering construction	759	498	1,257	1,324	377	1,701	1,573	444	2,017

TABLE 28. British Columbia
(Thousands of dollars)

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Total Value of Construction.....	350,900	99,546	450,446	473,999	98,636	572,635	732,975	106,569	839,544
Total Building Construction	216,885	44,878	261,763	294,740	47,730	342,470	340,245	48,752	388,997
Residential	107,400	19,500	126,900	166,100	23,600	189,700	163,700	25,000	188,700
1 Dwellings, single, double, duplexes and apartments	107,400	19,500	126,900	166,100	23,600	189,700	163,700	25,000	188,700
Industrial.....	20,564	8,436	29,000	41,137	8,905	50,042	58,656	8,728	67,384
2 Factories, plants, workshops, food canneries	19,063	6,524	25,587	39,803	6,955	46,758	56,739	6,639	63,378
3 Mine and mine mill buildings	501	637	1,138	698	517	1,215	999	378	1,377
4 Railway stations, offices, roadway buildings	627	846	1,473	384	964	1,348	589	1,111	1,700
5 Railway shops, engine houses, water and fuel stations.....	373	429	802	252	469	721	329	600	929
Commercial	43,481	7,215	50,696	36,392	6,669	43,061	54,521	6,058	60,579
6 Warehouses, storehouses, refrigerated storage, etc.....	9,666	1,071	10,757	5,865	957	6,822	9,506	1,143	10,549
7 Grain elevators	309	171	480	758	88	646	1,369	306	1,675
8 Hotels, clubs, restaurants, cafeterias, tourist cabins	1,991	1,400	3,391	2,361	1,295	3,656	1,262	1,029	2,291
9 Office buildings	12,193	1,277	13,470	12,673	1,355	14,028	23,432	955	24,387
10 Stores, retail and wholesale	13,100	2,246	15,346	10,916	2,166	13,082	12,046	1,903	13,949
11 Garages and service stations	2,337	673	3,010	2,515	553	3,068	5,178	500	5,678
12 Theatres, arenas, amusement and recreational buildings.....	3,800	313	4,113	1,271	195	1,466	1,313	166	1,479
13 Laundries and dry cleaning establishments	65	64	129	33	60	93	415	56	471
Institutional	37,374	6,084	43,458	42,064	4,703	46,767	51,786	4,990	56,776
14 Schools and other educational buildings	19,477	2,417	21,894	24,704	2,335	27,039	26,002	2,364	28,366
15 Churches and other religious buildings	2,581	249	2,830	1,943	233	2,176	2,710	209	2,919
16 Hospitals, sanatoria, clinics, first-aid stations, etc.....	7,930	1,502	9,432	10,186	1,534	11,720	17,822	1,784	19,606
17 Other institutional buildings	7,386	1,916	9,302	5,231	601	5,832	5,252	633	5,885
Other Building Construction.....	8,066	3,643	11,709	9,047	3,853	12,900	11,582	3,976	15,558
18 Farm buildings (excluding dwellings)	3,531	1,918	5,449	3,861	1,988	5,849	3,996	2,107	6,103
19 Broadcasting, radio and television, relay and booster stations, telephone exchanges	1,211	274	1,485	1,135	292	1,427	2,012	358	2,370
20 Aeroplane hangars	425	104	529	365	36	401	436	54	490
21 Passenger terminals, bus, boat or air	579	2	581	32	1	33	374	—	374
22 Armouries, barracks, drill halls, etc.	1,145	145	1,290	1,188	140	1,328	1,286	154	1,440
23 Bunkhouses, dormitories, camp cookeries, bush depots and camps	699	1,093	1,792	2,162	1,270	3,432	2,556	1,258	3,814
24 Other building construction	476	107	583	304	126	430	922	45	967
Total Engineering Construction.....	134,015	54,668	188,683	179,259	50,906	230,165	392,730	57,817	450,547
Marine Construction.....	6,189	2,576	8,765	6,575	1,792	8,367	7,571	1,875	9,446
25 Docks, wharves, piers, breakwaters	4,555	1,407	5,962	4,590	1,067	5,657	5,340	1,143	6,483
26 Retaining walls, embankments, ripraping	268	237	505	68	62	130	172	49	221
27 Canals and waterways	26	19	45	196	14	210	—	3	3
28 Dredging and pile driving	903	366	1,269	1,221	395	1,616	1,627	437	2,064
29 Dyke construction	13	58	71	1	2	3	1	2	3
30 Logging booms	41	181	222	357	212	569	269	198	467
31 Other marine construction	383	308	691	142	40	182	162	43	205

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

Type of structure	1954			1955			1956		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
Road, Highway and Aerodrome Construction	34,607	19,920	54,527	45,600	17,615	63,215	88,923	19,502	108,425
32 Hard surfaced or paved streets, highways, parking lots, etc.	13,967	5,847	19,814	19,147	5,517	24,664	35,863	6,111	41,974
33 Gravel or stone streets, highways, roads, parking lots, etc.	8,227	6,906	15,133	12,647	6,611	19,258	26,537	7,345	33,882
34 Dirt, clay or other streets, roads, parking lots, etc., (logging roads if applicable)....	5,387	2,754	8,141	5,456	2,573	8,029	8,707	2,847	11,554
35 Grading, scraping, oiling, filling	5,032	3,315	8,347	7,291	2,712	10,003	16,628	2,997	19,625
36 Sidewalks, paths	1,467	797	2,264	535	178	713	610	175	785
37 Aerodromes, landing fields, runways, tarmac	527	301	828	524	24	548	578	27	605
Waterworks and Sewage Systems	10,263	3,774	14,039	10,629	2,890	13,519	11,000	2,932	13,992
38 Tile drains, drainage ditches, storm sewers	480	1,010	1,490	1,021	757	1,778	953	715	1,668
39 Water mains, hydrants and services	4,824	2,073	6,897	6,978	1,721	8,699	5,733	1,836	7,569
40 Sewage systems and connections	4,765	621	5,386	2,395	342	2,737	3,080	291	3,371
41 Pumping stations, water	104	61	165	119	68	187	1,240	88	1,328
42 Water storage tanks	92	9	101	116	2	118	54	2	56
Dams and Irrigation	7,918	327	8,245	4,101	251	4,352	29,800	175	29,975
43 Dams and reservoirs	6,777	159	6,936	2,311	188	2,499	27,617	108	27,725
44 Irrigation and land reclamation projects	1,141	168	1,309	1,790	63	1,853	2,183	67	2,250
Electric Power Construction.....	34,644	2,350	36,994	47,647	3,229	50,876	69,762	3,156	72,918
45 Electric power generating plants, including water conveying and controlling structures	14,013	381	14,394	21,544	411	21,955	28,907	441	29,348
46 Electric transformer stations	780	200	980	1,577	92	1,669	1,780	127	1,907
47 Power transmission and distribution lines, trolley wires	19,613	1,639	21,252	24,234	2,446	26,680	38,743	2,327	41,070
48 Street lighting	238	130	368	292	280	572	332	261	593
Railway, Telephone and Telegraph	13,288	19,152	32,440	23,992	16,629	40,621	41,426	20,804	62,230
49 Railway tracks and roadbed	5,916	15,377	21,293	15,083	13,222	28,305	28,594	16,960	45,554
50 Signals and interlockers	134	317	451	119	365	484	244	426	670
51 Telegraph and telephone lines, underground and marine cables..	7,238	3,458	10,696	8,790	3,042	11,832	12,588	3,418	16,006
Gas and Oil Facilities.....	15,294	1,488	16,782	26,706	1,903	28,609	122,807	2,326	125,133
52 Gas mains and services	380	79	459	559	100	659	11,487	113	11,600
53 Pumping stations, oil	103	17	120	92	3	95	34	3	37
54 Pumping stations, gas	—	22	22	—	37	37	—	40	40
55 Oil storage tanks	2,392	263	2,655	1,738	221	1,959	1,375	322	1,697
56 Gas storage tanks	11	18	29	3	4	7	27	4	31
57 Oil pipe lines	804	194	998	370	207	577	57	217	274
58 Gas pipe lines	—	—	—	10,001	8	10,009	100,002	3	100,005
59 Oil wells	1,283	2	1,285	4,827	17	4,844	6,002	12	6,014
60 Gas wells	348	—	348	171	—	171	110 ¹	—	110
61 Oil refinery — processing units	9,973	893	10,866	8,945	1,306	10,251	3,713	1,612	5,325
62 Natural gas clearing plants	—	—	—	—	—	—	—	—	—
Other Engineering Construction	11,810	5,081	16,891	14,009	6,597	20,606	21,381	7,047	28,428
63 Bridges, trestles, culverts, overpasses, viaducts	8,339	2,779	11,118	7,070	3,663	10,753	14,667	3,910	18,577
64 Tunnels and subways	113	131	244	232	27	259	320	43	363
65 Incinerators	110	79	189	120	268	388	24	293	317
66 Park systems, landscaping, sodding, etc.	604	1,066	1,670	278	150	428	229	148	377
67 Swimming pools, tennis courts, outdoor recreation facilities	276	261	537	93	389	482	245	505	750
68 Mine shafts and other below surface workings	1,542	105	1,647	2,523	49	2,572	2,771	39	2,810
69 Fences, snowsheds, signs, guard rails	283	565	848	322	488	810	401	567	968
70 Other engineering construction	543	95	638	3,371	1,543	4,914	2,724	1,542	4,266

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 census of 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, 76 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 1956".

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 1953 of all the firms in each industry by the corresponding 1953 total for the firms reporting in the 1956 survey. In carrying out this procedure it has been assumed that the proportion of production of the reporting establishments in both 1953 and 1956 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 76.3 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 1955 preliminary actual figures and the 1956 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 1955 to 1956 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 1954 and 1955 were prepared by Central Mortgage and Housing Corporation. Appraisal of the probable volume of housing construction in 1956 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 1956.

Salaries and Wages Paid and Cost of Materials Used

The estimates of salaries and wages paid and the cost of materials used are derived from the

application of ratios of these items to total value of work performed. The 1954 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 1954 to 1956. 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.

Average Numbers Employed

Indirect methods were also used in estimating the average numbers employed. In the 1951 to 1953 surveys respondents were requested to report the average number of employees engaged in construction each month. In the 1954 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 for all four years. 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. The resulting figures therefore represent an estimate of the number of employees working full time throughout the year. The total number on the payroll at any given time may, of course, be above or below the average. In arriving at the average number of employees for 1955 and 1956, an average annual wage figure was computed from 1954, projected forward, and divided into the estimated total salaries and wages for these years.

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