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CONSTRUCTION IN CANADA

1964 - 1966

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Business Finance Division
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CONSTRUCTION IN CANADA
1964-66

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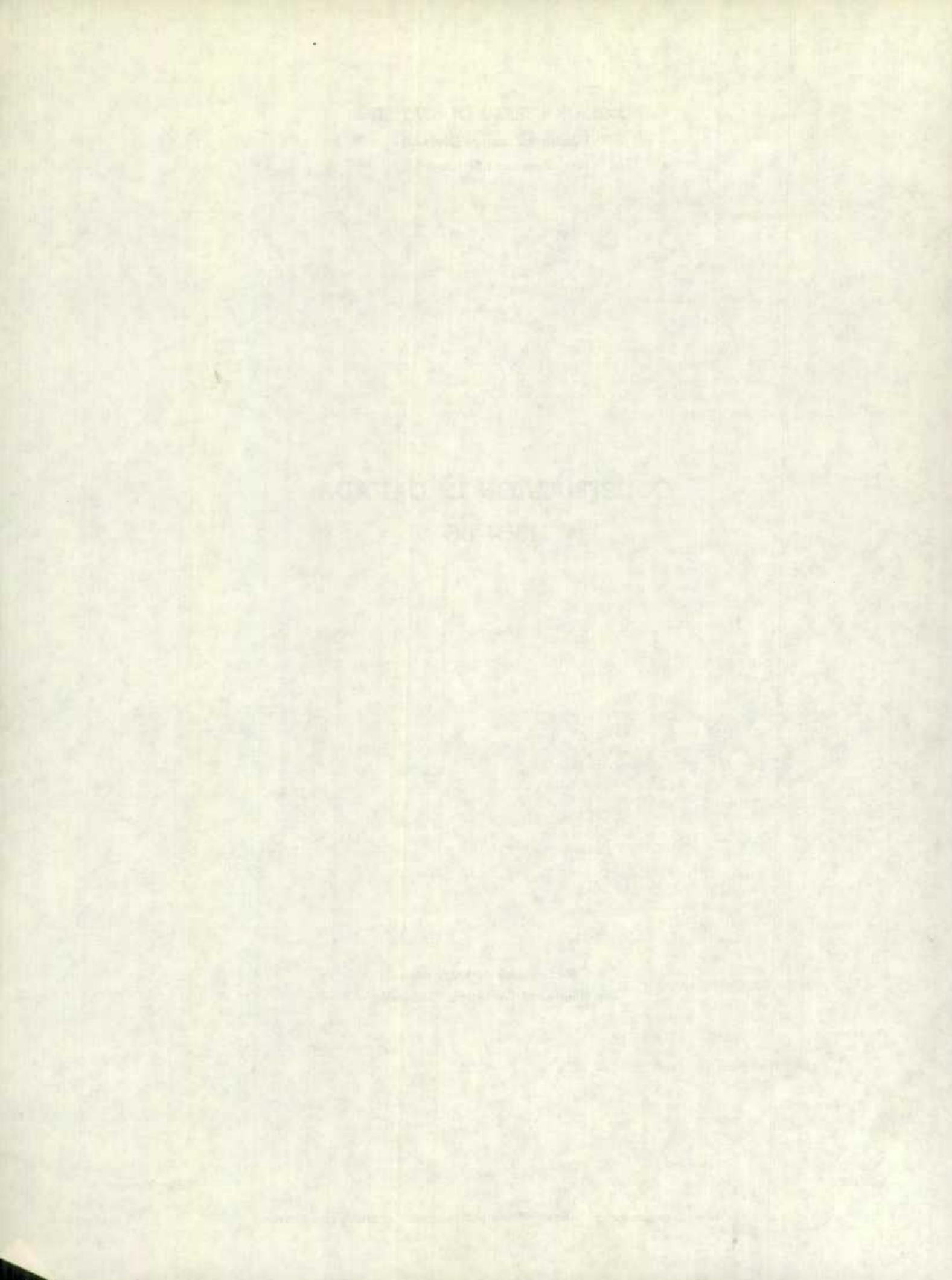
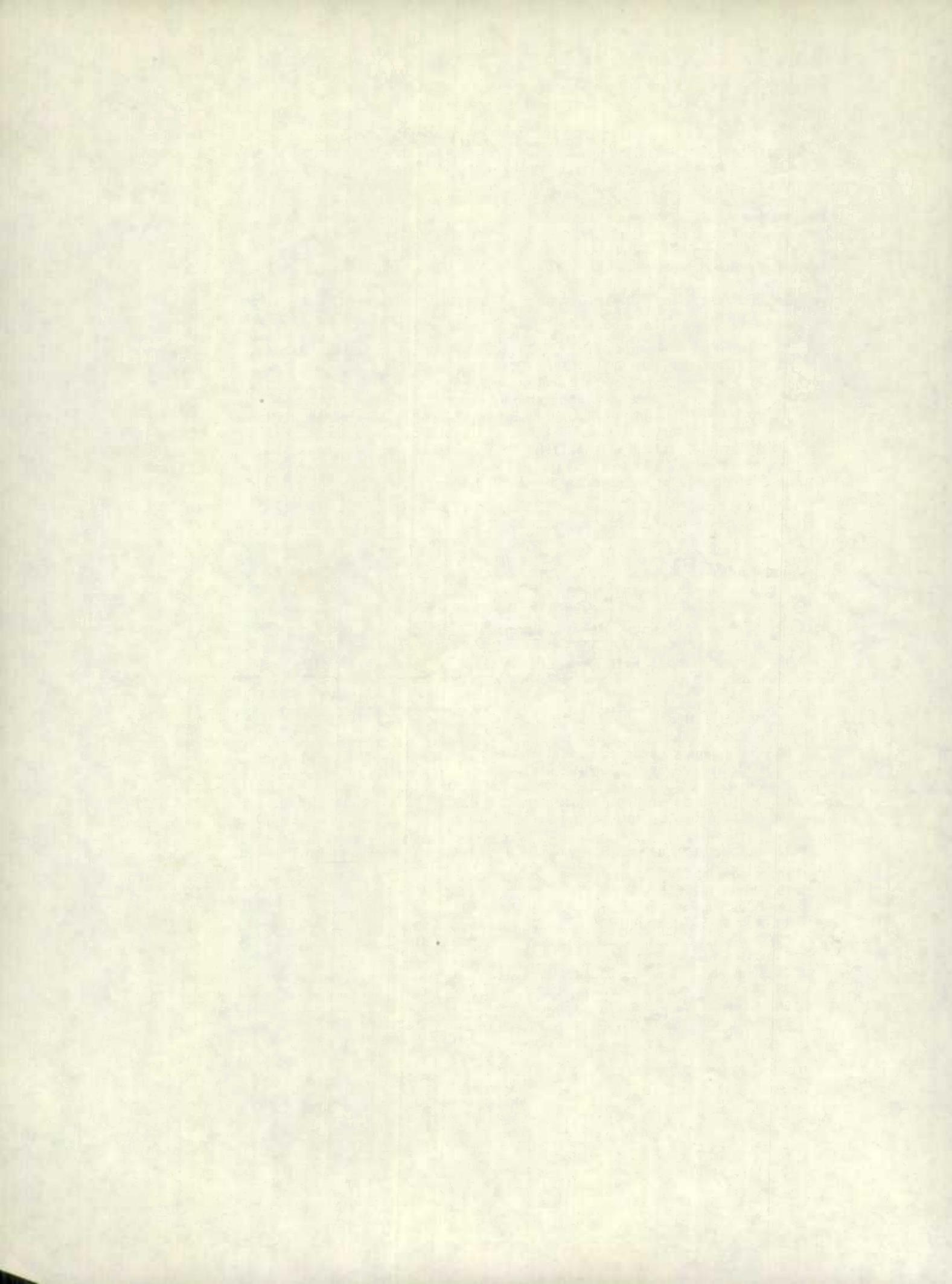


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INTRODUCTION

This report contains data on construction activity undertaken in Canada during 1964 and 1965 and provides estimates of the intended program for 1966. The information given for 1965 is preliminary whereas that shown for 1964 and earlier is final. The probable volume of construction that will be realized in 1966 can be appraised only in the light of past experience and conditions that will exist during the year.

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 number of difficulties. Changing plans and problems of respondents in estimating accurately the cost of each type of structure 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 by DBS at the same time and from the same sources as for the publication "Private and Public

Investment in Canada, Outlook 1966", which was issued earlier this year as a joint project of DBS and the Economics Branch of the Department of Trade and Commerce. 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. Separate estimates are provided for 70 different types of structures, such as factories, office buildings, retail and wholesale stores, schools, electric power plants, highways and railway tracks and roadbeds.

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

GENERAL REVIEW

Construction in Canada is expected to reach a further record level of \$11.0 billion in 1966, an 11 per cent increase over the \$9.9 billion estimated for 1965. The intended 1966 spending on new construction, at \$9,180 million, will be 12 per cent higher than the 1965 total of \$8,201 million; the repair construction amounting to \$1,805 million, will be up by 6 per cent.

Significant strength is indicated for 1966 in institutional, trade and utility building construction in value terms and also in percentage terms relative to 1965. Residential construction is also expected to increase during the current year but the percentage gain is not as large as in recent years. Expenditures for engineering construction will be up by

about 10 per cent in 1966. Expanded programs for roads and bridges, further additions to gas and oil facilities and electric power developments account for a large portion of the increase.

The reported plans for construction in 1966 continue to increase at about the same year-over-year percentage as the last two years in terms of current dollars. The equivalent figures in constant 1957 dollars are not available for 1966 but the gain in constant dollars could continue at about the same level as in the preceding two years. The achievement or surpassing of this level would, of course, depend on a number of factors such as weather, work stoppages, availability of labour and materials, and other circumstances.

Year	Total new and repair construction	Percentage change over previous year in	
		Value	Volume
1957	7,023	8.8	5.1
1958	7,092	1.0	1.0
1959	7,077	- 0.2	- 3.5
1960	6,886	- 2.7	- 4.8
1961	6,974	1.3	2.1
1962	7,296	4.6	2.0
1963	7,716	5.8	2.0
1964	8,634	11.9	7.7
1965	9,905	14.7	8.1
1966 <i>Private + Public Investment in Canada, Outlook 1966</i>	10,985	10.9	-

Final result. → 1966 Private + Public Investment in Canada Outlook 1966 Midyear Review.

11,198

VALUE OF CONSTRUCTION WORK PERFORMED

TABLE 1. Current and Constant Dollars, 1957-66¹

	New		Repair		Total		Total construction as percentage of Gross National Product	
	Current dollars	Constant 1957 dollars	Current dollars	Constant 1957 dollars	Current dollars	Constant 1957 dollars	Current dollars	Constant 1957 dollars
millions of dollars								
1957	5,785	5,784	1,238	1,238	7,023	7,022	22.0	22.0
1958	5,831	5,865	1,261	1,230	7,092	7,095	21.6	22.0
1959	5,710	5,557	1,367	1,290	7,077	6,847	20.3	20.5
1960	5,454	5,224	1,432	1,301	6,886	6,521	19.0	19.1
1961	5,518	5,346	1,456	1,313	6,974	6,659	18.7	19.0
1962	5,787	5,475	1,509	1,319	7,296	6,794	18.1	18.2
1963	6,157	5,613	1,559	1,317	7,716	6,930	17.9	17.7
1964	7,004	6,139	1,630	1,322	8,634	7,461	18.4	17.9
1965	8,201	6,756	1,704	1,308	9,905	8,064	-	-
1966	9,180	-	1,805	-	10,985	-	-	-

1966 Midyear figures
¹ Actual 1957-64, preliminary 1965, intentions 1966.

TABLE 2. By Contractors and Others, 1962-66^{1,2}

	Contract construction			Other construction ²			Total construction		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
millions of dollars									
1962	862	4,900	5,710	887	699	1,586	5,787	1,509	7,296
1963	862	5,213	6,034	944	738	1,682	6,157	1,559	7,716
1964	862	5,937	6,833	1,067	734	1,801	7,004	1,630	8,634
1965	872	7,113	8,117	1,088	700	1,788	8,201	1,704	9,905
1966	882	8,088	9,184	1,092	709	1,801	9,180	1,805	10,985

¹ Actual 1962-64, preliminary 1965, intentions 1966.

² Represents work done by the labour forces of utilities, manufacturing, mining and logging firms, government departments, home owner-builders and other persons or firms nor primarily engaged in the construction industry.

TABLE 3. By Principal Types of Construction, 1962-66^{1,2}

	1962		1963		1964		1965		1966	
	Value	Per cent of total	Value	Per cent of total						
Total construction	7,296	100.0	7,716	100.0	8,634	100.0	9,905	100.0	10,985	100.0
Total building construction²	4,543	62.3	4,692	60.8	5,179	60.0	5,878	59.3	6,548	59.6
Residential	2,100	28.8	2,257	29.2	2,604	30.2	2,752	27.7	2,872	26.1
Industrial	492	6.7	535	6.9	666	7.7	762	7.7	872	7.9
Commercial	719	9.9	737	9.6	846	9.6	1,026	10.4	1,185	10.8
Institutional	827	11.3	857	11.1	766	8.9	1,007	10.2	1,239	11.3
Other building	405	5.6	306	4.0	297	3.4	331	3.3	380	3.5
Total engineering	2,753	37.7	3,024	39.2	3,455	40.0	4,027	40.7	4,437	40.4
Marine	85	1.2	61	0.8	68	0.8	98	1.0	123	1.1
Road highway and aerodrome construction	803	11.0	846	10.9	965	11.1	1,108	11.3	1,196	11.0
Waterworks and sewage systems	228	3.1	266	3.4	285	3.3	330	3.3	360	3.3
Dams and irrigation	93	1.3	85	1.1	170	2.0	236	2.4	236	2.1
Electric power construction	454	6.2	493	6.4	541	6.3	668	6.7	729	6.6
Railway, telephone and telegraph construction	373	5.1	406	5.3	411	4.8	404	4.1	421	3.8
Gas and oil facilities	416	5.7	500	6.5	547	6.3	576	5.8	652	5.9
Other engineering construction	301	4.1	367	4.8	468	5.4	607	6.1	720	6.6

¹ Actual 1962-64, preliminary 1965, intentions 1966.

² Estimates for types of structure in agriculture have been compiled for 1963, 1964, 1965 and 1966 on the basis of more recent related information and are, therefore, not comparable with data for types of structure in the years prior to 1963. This affects data in Tables 3, 4, 5, 6, 9, 10 and Tables 18 to 27. The use of a special survey questionnaire for petroleum and gas wells and for natural gas processing plants resulted in some re-allocation of data by type of structure after 1964.

Both New & Repair
TABLE 4. By Principal Type of Construction for Industry and Sector^{1,2}

	1964			1965			1966		
	Building	Engineering	Total	Building	Engineering	Total	Building	Engineering	Total
thousands of dollars									
Totals	5,179,407	3,454,782	8,634,189	5,878,055	4,027,399	9,905,454	6,547,751	4,437,388	10,985,139
Agriculture and fishing ²	176,924	95,493	272,417	184,772	99,731	284,503	189,319	102,179	291,498
Forestry	8,582	48,535	57,117	9,116	53,615	62,731	9,089	54,295	63,384
Mining, quarrying and oil wells	119,696	378,978	498,674	94,478	498,122	592,600	132,829	597,533	730,362
Construction	17,343	2,252	19,595	20,699	2,662	23,361	21,901	2,810	24,711
Manufacturing	502,839	88,375	591,214	617,353	97,598	714,951	695,279	143,505	838,784
Utilities	131,136	1,490,581	1,621,717	134,254	1,637,181	1,771,435	182,384	1,721,945	1,904,329
Trade - Wholesale and retail	179,906	7,144	187,050	186,076	6,613	192,689	251,765	8,705	260,470
Finance, insurance and real estate	305,285	4,358	309,643	374,374	6,483	380,857	412,302	4,737	417,039
Commercial services	117,591	11,455	129,046	173,358	36,234	209,592	191,372	57,703	249,075
Housing	2,604,500	-	2,604,500	2,752,400	-	2,752,400	2,872,000	-	2,872,000
Institutional services	703,837	4,721	708,558	926,576	9,351	935,927	1,160,671	8,525	1,169,196
Government departments	311,768	1,322,890	1,634,658	404,599	1,579,809	1,984,408	428,840	1,735,451	2,164,291

¹ Actual 1964, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

20%.

TABLE 5. Dollar and Percentage Change by Principal Type of Construction for Industry or Sector^{1,2}

	Change 1964 to 1965						Change 1965 to 1966					
	Building		Engineering		Total		Building		Engineering		Total	
	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%
Totals	699	13.5	573	16.6	1,271	14.7	670	11.4	410	10.2	1,080	10.9
Agriculture and fishing ²	8	4.4	4	4.4	12	4.4	5	2.5	2	2.5	7	2.5
Forestry	1	6.2	5	10.5	6	9.8	-	-0.3	1	1.3	1	1.0
Mining, quarrying and oil wells	-25	-21.1	119	31.4	94	18.8	38	40.6	99	20.0	138	23.2
Construction	3	19.4	-	18.2	4	19.2	1	5.8	-	5.6	1	5.8
Manufacturing	115	22.8	9	10.4	124	20.9	78	12.6	46	47.0	124	17.3
Utilities	3	2.4	147	9.8	150	9.2	48	35.8	85	5.2	133	7.5
Trade - Wholesale and retail	6	3.4	-	-7.4	6	3.0	66	35.3	2	31.6	68	35.2
Finance, insurance and real estate	69	22.6	2	48.8	71	23.0	38	10.1	-2	-26.9	36	9.5
Commercial services	56	47.4	25	16.3	81	62.4	18	10.4	21	59.3	39	18.8
Housing	148	5.7	-	-	148	5.7	120	4.3	-	-	120	4.3
Institutional services	223	31.6	5	98.1	227	32.1	234	25.3	-1	-8.8	233	24.9
Government departments	93	29.8	257	19.4	350	21.4	24	6.0	156	9.9	180	9.1

¹ Actual 1964, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

2752 148
7604 150
148 mill.
2752 150
148 mill.
2752 150

Boil Repair + Pass
TABLE 6. By Type of Structure, Total 1962-66^{1,2}

Type of structure	1962	1963	1964	1965	1966
thousands of dollars					
Total value of construction	7,296,039	7,716,011	8,634,189	9,905,454	10,985,139
Total building construction	4,542,935	4,692,308	5,179,407	5,878,055	6,547,751
Residential	2,100,000	2,257,400	2,604,500	2,752,400	2,872,000
Industrial	491,595	535,610	666,412	761,657	872,177
2. Factories, plants, workshops, food canneries	372,828	409,822	522,927	654,598	724,470
3. Mine and mine mill buildings	83,183	86,636	104,496	72,604	114,805
4. Railway stations, offices, roadway buildings	23,834	28,890	24,802	21,863	20,388
5. Railway shops, engine houses, water and fuel stations	11,750	12,262	14,187	12,592	12,514
Commercial	719,500	736,922	845,966	1,025,912	1,184,892
6. Warehouses, storehouses, refrigerated storage, etc.	62,539	70,653	70,009	87,206	117,433
7. Grain elevators	29,295	21,200	17,167	18,538	29,742
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	47,480	67,031	72,697	94,249	104,452
9. Office buildings	323,933	296,283	369,627	439,076	476,010
10. Stores, retail and wholesale	164,164	171,686	205,948	233,763	261,801
11. Garages and service stations	36,098	45,953	45,147	54,674	66,787
12. Theatres, arenas, amusement and recreational buildings	53,268	61,107	61,837	95,604	126,974
13. Laundries and dry cleaning establishments	2,723	3,009	3,534	2,802	1,693
Institutional	827,313	856,631	765,808	1,007,437	1,238,514
14. Schools and other educational buildings	537,180	577,584	472,483	675,294	849,116
15. Churches and other religious buildings	61,210	53,973	50,888	43,883	38,348
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	189,903	180,746	179,017	198,023	249,063
17. Other institutional buildings	39,020	44,328	63,420	90,237	101,987
Other building construction	404,527	305,745	296,721	330,649	380,168
18. Farm buildings (excluding dwellings)	232,922	175,611	179,644	187,596	192,326
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	64,505	48,341	37,911	39,483	45,431
20. Aeroplane hangars	6,949	5,624	4,192	4,272	4,487
21. Passenger terminals, bus, boat or air	30,245	22,099	6,219	10,389	29,803
22. Armouries, barracks, drill halls, etc.	27,196	17,529	20,163	21,270	23,075
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	19,288	13,506	18,195	26,579	35,217
24. Other building construction	23,422	23,035	30,397	41,060	49,829
Total engineering construction	2,753,104	3,023,703	3,454,782	4,027,399	4,437,388
Marine construction	84,996	60,569	67,552	98,096	122,693
25. Docks, wharves, piers, breakwaters	57,831	37,517	46,309	70,501	80,405
26. Retaining walls, embankments, ripraping	2,702	6,154	6,515	6,719	6,389
27. Canals and waterways	9,511	3,064	4,405	7,848	21,710
28. Dredging and pile driving	11,192	7,706	5,614	5,685	5,486
29. Dyke construction	716	2,069	532	686	743
30. Logging booms	960	718	1,297	1,547	1,416
31. Other marine construction	2,084	3,341	2,880	5,110	6,544

See footnotes at end of table.

TABLE 6. By Type of Structure, Total 1962-66^{1,2} — Concluded

Type of structure	1962	1963	1964	1965	1966
thousands of dollars					
Road, highway and aerodrome construction	802,711	846,080	964,612	1,108,335	1,193,800
32. Hard surfaced or paved streets, highways, parking lots, etc.	512,782	493,080	616,229	799,217	849,230
33. Gravel or stone streets, highways, roads, parking lots, etc.	165,289	236,438	181,799	145,063	152,547
34. Dirt, clay or other streets, roads, parking lots, etc.	43,785	35,210	92,332	86,267	111,438
35. Grading, scraping, oiling, filling	30,336	35,553	34,664	33,219	35,387
36. Sidewalks, paths	26,858	26,181	22,364	23,283	22,965
37. Aerodromes, landing fields, runways, tarmac	23,661	19,618	17,224	21,286	24,233
Waterworks and sewage systems	227,615	266,330	285,114	329,757	360,657
38. Tile drains, drainage ditches, storm sewers	5,434	25,224	24,226	28,916	31,033
39. Water mains, hydrants and services	87,127	91,111	100,454	118,115	139,688
40. Sewage systems and connections	122,430	132,340	143,180	149,387	160,289
41. Pumping stations, water	8,689	10,450	13,138	22,939	22,816
42. Water storage tanks	3,935	7,205	4,116	10,400	6,831
Dams and irrigation	93,317	84,993	169,883	236,186	235,783
43. Dams and reservoirs	72,547	60,680	146,183	200,915	207,720
44. Irrigation and land reclamation projects	20,770	24,313	23,700	35,271	28,063
Electric power construction	454,338	492,511	541,021	667,687	729,253
45. Electric power generating plants, including water conveying and controlling structures	217,572	220,776	170,467	264,205	332,481
46. Electric transformer stations	32,119	42,206	69,541	99,166	69,337
47. Power transmission and distribution lines, trolley wires	185,563	207,765	275,731	281,842	301,189
48. Street lighting	19,084	21,764	25,282	22,474	26,246
Railway, telephone and telegraph	372,889	406,165	411,326	404,047	421,249
49. Railway tracks and roadbed	211,252	231,139	228,794	209,317	207,763
50. Signals and interlockers	13,943	18,080	17,991	17,966	15,552
51. Telegraph and telephone lines, underground and marine cables	147,694	156,946	184,541	176,764	197,934
Gas and oil facilities	416,096	499,962	546,735	576,240	651,780
52. Gas mains and services	87,880	69,429	53,303	73,308	63,376
53. Pumping stations, oil	3,054	4,153	5,917	8,124	3,918
54. Pumping stations, gas	25,423	30,831	30,211	2,480	7,802
55. Oil storage tanks	16,395	16,237	19,349	9,405	10,911
56. Gas storage tanks	967	1,413	1,260	1,058	3,519
57. Oil pipe lines	16,930	25,362	27,251	35,737	31,596
58. Gas pipe lines	23,778	53,705	96,846	29,795	39,227
59. Oil wells	138,067	162,407	187,190	287,543	260,742
60. Gas wells	25,257	26,781	31,168	44,734	79,793
61. Oil refinery — Processing units ³	77,406	65,805	51,930	61,013	108,914
62. Natural gas cleaning plants	20,939	43,839	42,330	23,043	41,982
Other engineering construction	301,142	367,093	468,519	607,051	720,173
63. Bridges, trestles, culverts, overpasses, viaducts	166,886	202,342	211,757	252,843	301,205
64. Tunnels and subways	17,580	31,853	73,512	75,392	55,856
65. Incinerators	594	393	154	84	124
66. Park systems, landscaping, sodding, etc.	11,450	15,664	9,917	15,944	24,640
67. Swimming pools, tennis courts, outdoor recreation facilities	7,353	4,877	2,598	5,941	7,301
68. Mine shafts and other below surface workings	34,497	36,830	45,521	58,193	106,372
69. Fences, snowsheds, signs, guard rails	24,791	38,561	40,634	38,952	39,910
70. Other engineering construction	37,991	36,573	84,426	159,702	184,765

¹ Actual 1962-64, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

³ Item 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals.

To - 10
T. E. Cal

LABOUR CONTENT AND COST OF MATERIALS USED, 1962-66¹

TABLE 7. By Provinces

Provinces	Labour content		Cost of materials used	Value of work performed
	Number	Value		
No thousands of dollars				
Canada:				
1962	528,921	2,475,670	3,507,738	7,296,039
1963	523,909	2,560,677	3,736,494	7,716,011
1964	547,377	2,812,089	4,241,373	8,634,189
1965	588,813	3,191,909	4,865,108	9,905,454
1966	616,694	3,524,922	5,400,129	10,985,139
Newfoundland:				
1962	14,462	66,792	88,646	199,786
1963	12,318	56,189	66,780	185,215
1964	12,542	55,963	76,674	182,079
1965	12,397	57,444	77,621	189,972
1966	13,676	66,827	90,781	219,166
Prince Edward Island:				
1962	3,047	11,414	19,166	38,741
1963	3,418	11,812	17,872	38,326
1964	2,537	9,355	15,671	33,538
1965	3,048	11,878	20,327	43,571
1966	3,296	13,519	23,365	50,315
Nova Scotia:				
1962	17,283	67,817	98,412	205,146
1963	18,027	70,387	104,013	213,108
1964	18,232	71,940	103,364	215,779
1965	19,768	82,765	122,782	255,458
1966	20,802	91,529	138,767	285,910
New Brunswick:				
1962	13,972	52,142	77,604	155,321
1963	14,153	51,909	80,906	158,523
1964	17,224	67,207	104,490	205,723
1965	20,284	83,315	133,269	264,339
1966	19,436	84,207	136,081	271,892
Quebec:				
1962	138,031	632,002	948,708	1,890,669
1963	136,121	638,013	1,006,379	1,963,920
1964	150,163	755,602	1,219,915	2,365,945
1965	159,948	847,694	1,384,254	2,684,682
1966	161,366	897,815	1,470,986	2,850,222
Ontario:				
1962	176,792	853,319	1,176,478	2,448,295
1963	174,273	897,700	1,262,568	2,620,182
1964	177,111	957,607	1,391,038	2,825,132
1965	187,844	1,071,410	1,569,106	3,177,076
1966	202,801	1,220,367	1,802,126	3,643,309
Manitoba:				
1962	27,098	124,109	174,007	361,112
1963	28,511	136,672	187,082	402,922
1964	30,579	142,465	202,272	421,133
1965	30,600	150,280	214,848	447,699
1966	30,640	157,836	230,137	471,704

¹ Actual 1962-64, preliminary 1965, Intentions 1966.

TABLE 7. By Provinces — Concluded

Provinces	Labour content		Cost of materials used	Value of work performed
	Number	Value		
thousands of dollars				
Saskatchewan:				
1962	30,080	140,254	200,247	416,984
1963	30,997	144,766	213,237	444,621
1964	30,210	146,402	236,652	476,900
1965	33,810	172,829	282,137	574,381
1966	34,764	186,490	306,468	621,786
Alberta:				
1962	55,869	263,049	373,472	820,209
1963	53,730	270,534	391,461	861,795
1964	53,463	282,535	418,845	919,871
1965	56,806	317,583	472,308	1,043,640
1966	60,900	357,343	533,878	1,176,938
British Columbia:				
1962	52,487	264,772	350,998	759,776
1963	52,361	262,895	386,196	827,399
1964	55,316	323,013	472,452	988,089
1965	64,308	396,711	588,456	1,224,636
1966	69,013	448,989	667,540	1,393,897

TABLE 8. By Contractors and Others¹

Maint Repair

Type	Labour content		Cost of materials used	Value of work performed
	Number	Value		
thousands of dollars				
Total:				
1962	528,921	2,475,670	3,507,738	7,296,039
1963	523,909	2,560,877	3,736,494	7,716,011
1964	547,377	2,812,089	4,241,373	8,634,189
1965	588,813	3,191,909	4,865,108	9,905,454
1966	616,694	3,524,922	5,400,129	10,985,139
Contractors:				
1962	381,526	1,803,234	2,809,407	5,709,666
1963	377,040	1,876,434	2,967,999	6,033,670
1964	397,275	2,074,701	3,441,860	6,833,265
1965	446,744	2,459,145	4,067,790	8,117,044
1966	480,603	2,788,068	4,597,125	9,184,271
Utilities:				
1962	64,981	327,132	377,500	763,298
1963	63,363	325,283	433,769	805,581
1964	72,042	387,462	446,678	911,663
1965	68,632	387,757	446,762	912,199
1966	65,496	388,390	447,637	913,759
Governments:				
1962	53,434	216,760	161,775	492,320
1963	51,691	214,290	153,309	506,306
1964	47,897	206,617 ^{10.9}	167,552	504,945
1965	44,191	199,565	161,576	485,052
1966	42,272	200,978	163,007	489,479
Others:				
1962	28,980	128,544	159,056	330,755
1963	31,815	144,870	181,417	370,454
1964	30,163	143,309	185,283	384,316
1965	29,246	145,442	188,980	391,159
1966	28,323	147,486	192,360	397,630

Actual 1962-64, preliminary 1965, intentions 1966.

VALUE OF CONSTRUCTION WORK PERFORMED - CANADA 1964-66¹

TABLE 9. By Type of Structure, New and Repair²

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	7,004,250	1,629,939	8,634,189	8,201,104	1,704,350	9,905,454	9,179,650	1,805,489	10,985,139
Total building construction	4,170,635	1,008,772	5,179,407	4,809,624	1,068,431	5,878,055	5,420,942	1,126,809	6,547,751
Residential	2,027,500	577,000	2,604,500	2,133,300	619,100	2,752,400	2,216,000	656,000	2,872,000
Industrial	522,058	144,354	666,412	615,456	146,201	761,657	721,172	151,005	872,177
2. Factories, plants, workshops, food canneries	408,875	114,052	522,927	539,110	115,488	654,598	605,393	119,077	724,470
3. Mine and mine mill buildings	93,487	11,009	104,496	60,769	11,835	72,604	102,466	12,339	114,805
4. Railway stations, offices, roadway buildings	11,540	13,262	24,802	9,414	12,449	21,863	7,443	12,945	20,388
5. Railway shops, engine houses, water and fuel stations	8,156	6,031	14,187	6,163	6,429	12,592	5,870	6,644	12,514
Commercial	716,166	129,800	845,966	881,423	144,489	1,025,912	1,037,346	147,546	1,184,892
6. Warehouses, storehouses, refrigerated storage, etc.	58,748	11,261	70,009	72,086	15,120	87,206	100,718	16,715	117,433
7. Grain elevators	10,641	6,526	17,167	10,809	7,729	18,538	22,643	7,099	29,742
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	59,230	13,467	72,697	81,591	12,658	94,249	91,484	12,968	104,452
9. Office buildings	325,069	44,558	369,627	381,685	57,391	439,076	417,808	58,202	476,010
10. Stores, retail and wholesale	174,913	31,035	205,948	201,903	31,860	233,763	230,013	31,788	261,801
11. Garages and service stations	33,709	11,438	45,147	43,550	11,124	54,674	55,508	11,279	66,787
12. Theatres, arenas, amusement and recreational buildings	51,533	10,304	61,837	88,133	7,471	95,604	118,609	8,365	126,974
13. Laundries and dry cleaning establishments	2,323	1,211	3,534	1,666	1,136	2,802	563	1,130	1,693
Institutional	693,332	72,476	765,808	933,343	74,094	1,007,437	1,155,431	83,083	1,238,514
14. Schools and other educational buildings	439,616	32,867	472,483	637,584	37,710	675,294	806,327	42,789	849,116
15. Churches and other religious buildings	42,092	8,796	50,888	37,673	6,210	43,883	32,068	6,280	38,348
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	156,741	22,276	179,017	175,442	22,581	198,023	223,549	25,514	249,063
17. Other institutional buildings	54,883	8,537	63,420	82,644	7,593	90,237	93,487	8,500	101,987
Other building construction	211,579	85,142	296,721	246,102	84,547	330,649	290,993	89,175	380,168
18. Farm buildings (excluding dwellings)	129,384	50,260	179,644	134,853	52,743	187,596	138,268	54,058	192,326
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	34,821	3,090	37,911	36,764	2,719	39,483	42,455	2,976	45,431
20. Aeroplane hangars	686	3,506	4,192	845	3,427	4,272	911	3,576	4,487
21. Passenger terminals, bus, boat or air	5,356	863	6,219	9,902	487	10,389	28,686	1,117	29,803
22. Armouries, barracks, drill halls, etc.	5,754	14,409	20,163	7,670	13,600	21,270	8,591	14,484	23,075
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	13,389	4,806	18,195	22,062	4,517	26,579	30,701	4,516	35,217
24. Other building construction	22,189	8,208	30,397	34,006	7,054	41,060	41,381	8,448	49,829
Total engineering construction	2,833,615	621,167	3,454,782	3,391,480	635,919	4,027,399	3,758,708	678,680	4,437,388
Marine construction	51,314	16,238	67,552	79,211	18,885	98,096	103,831	18,862	122,693
25. Docks, wharves, piers, breakwaters	37,583	8,726	46,309	59,941	10,560	70,501	71,336	9,069	80,405
26. Retaining walls, embankments, riprappling	5,597	918	6,515	4,890	1,829	6,719	5,305	1,084	6,389
27. Canals and waterways	2,937	1,468	4,405	6,503	1,345	7,848	16,299	3,411	21,710
28. Dredging and pile driving	2,167	3,447	5,614	2,290	3,395	5,685	2,082	3,404	5,486
29. Dyke construction	409	123	532	584	102	686	635	108	743
30. Logging booms	537	760	1,297	775	772	1,547	585	831	1,416
31. Other marine construction	2,084	796	2,880	4,228	882	5,110	5,589	955	6,544

See footnotes at end of table.

TABLE 9. By Type of Structure, New and Repair¹ — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	770,394	194,218	964,612	910,285	198,050	1,108,335	971,841	223,959	1,195,800
32. Hard surfaced or paved streets, highways, parking lots, etc.	506,813	109,416	616,229	664,370	134,847	799,217	704,708	144,522	849,230
33. Gravel or stone streets, highways, roads, parking lots, etc.	138,951	42,848	181,799	117,101	27,962	145,063	122,628	29,919	152,547
34. Dirt, clay or other streets, roads, parking lots, etc.	66,010	26,322	92,332	64,746	21,521	86,267	77,394	34,044	111,438
35. Grading, scraping, oiling, filling	26,184	8,480	34,664	25,909	7,310	33,219	27,138	8,249	35,387
36. Sidewalks, paths	17,834	4,530	22,364	19,162	4,121	23,283	18,224	4,741	22,965
37. Aerodromes, landing fields, runways, tarmac	14,602	2,622	17,224	18,997	2,289	21,286	21,749	2,484	24,233
Waterworks and sewage systems	234,699	50,415	285,114	282,626	47,131	329,757	313,089	47,568	360,657
38. Tile drains, drainage ditches, storm sewers	17,320	6,906	24,226	20,889	8,027	28,916	22,998	8,035	31,033
39. Water mains, hydrants and services	74,291	26,163	100,454	94,193	23,922	118,115	113,555	26,133	139,688
40. Sewage systems and connections	129,289	13,891	143,180	139,397	9,990	149,387	150,094	10,195	160,289
41. Pumping stations, water	10,612	2,526	13,138	20,998	1,941	22,939	20,587	2,229	22,816
42. Water storage tanks	3,187	929	4,116	7,149	3,251	10,400	5,855	976	8,831
Dams and irrigation	160,542	9,341	169,883	226,573	9,613	236,186	225,660	10,123	235,783
43. Dams and reservoirs	143,777	2,406	146,183	198,394	2,521	200,915	204,885	2,835	207,720
44. Irrigation and land reclamation projects	16,765	6,935	23,700	28,179	7,092	35,271	20,775	7,288	28,063
Electric power construction	481,866	59,155	541,021	605,184	62,503	667,687	664,396	64,857	729,253
45. Electric power generating plants, including water conveying and controlling structures	156,973	13,494	170,467	249,444	14,761	264,205	316,819	15,662	332,481
46. Electric transformer stations	65,321	4,220	69,541	94,063	5,103	99,166	64,176	5,161	69,337
47. Power transmission and distribution lines, trolley wires	243,416	32,315	275,731	245,475	36,367	281,842	263,708	37,481	301,189
48. Street lighting	16,156	9,126	25,282	16,202	6,272	22,474	19,693	6,553	26,246
Railway, telephone and telegraph	254,051	157,275	411,326	244,954	159,093	404,047	257,213	164,036	421,249
49. Railway tracks and roadbed	124,580	104,214	228,794	105,434	103,883	209,317	100,825	106,938	207,763
50. Signals and interlockers	9,356	8,635	17,991	8,370	9,596	17,966	5,896	9,656	15,552
51. Telegraph and telephone lines, underground and marine cables	120,115	44,426	164,541	131,150	45,614	176,764	150,492	47,442	197,934
Gas and oil facilities	478,090	68,665	546,755	507,397	68,843	576,240	581,513	70,267	651,780
52. Gas mains and services	48,056	5,247	53,303	68,449	4,859	73,308	58,114	5,262	63,376
53. Pumping stations, oil	4,014	1,903	5,917	6,603	1,521	8,124	2,253	1,665	3,918
54. Pumping stations, gas	29,640	—	571	30,211	2,015	465	2,480	7,371	7,802
55. Oil storage tanks	16,836	2,513	19,349	6,752	2,653	9,405	8,205	2,706	10,911
56. Gas storage tanks	1,184	76	1,260	933	125	1,058	3,390	129	3,519
57. Oil pipe lines	24,652	2,599	27,251	33,798	1,939	35,737	29,775	1,821	31,596
58. Gas pipe lines	95,538	1,308	96,846	28,842	953	29,795	37,982	1,245	39,227
59. Oil wells	170,320	16,870	187,190	267,087	20,456	287,543	244,096	16,646	260,742
60. Gas wells	29,872	1,296	31,168	41,771	2,963	44,734	75,384	4,409	79,793
61. Oil refinery — Processing units ²	20,090	31,840	51,930	32,536	28,477	61,013	77,587	31,327	108,914
62. Natural gas cleaning plants	37,888	4,442	42,330	18,611	4,432	23,043	37,356	4,626	41,982
Other engineering construction	402,659	65,860	468,519	535,250	71,801	607,051	641,165	79,008	720,173
63. Bridges, trestles, culverts, overpasses, viaducts	180,380	31,377	211,757	221,979	30,864	252,843	266,498	34,707	301,205
64. Tunnels and subways	73,440	72	73,512	75,318	74	75,392	55,712	144	55,856
65. Incinerators	—	133	21	154	69	15	84	104	20
66. Park systems, landscaping, sodding, etc.	5,704	4,213	9,917	10,729	5,215	15,944	19,368	5,272	24,640
67. Swimming pools, tennis courts, outdoor recreation facilities	2,146	452	2,598	4,286	1,655	5,941	5,358	1,943	7,301
68. Mine shafts and other below surface workings	41,539	3,982	45,521	54,655	3,538	58,193	101,505	4,867	106,372
69. Fences, snowsheds, signs, guard rails	26,922	13,712	40,634	26,311	12,641	38,952	26,743	13,167	39,910
70. Other engineering construction	72,395	12,031	84,426	141,903	17,799	159,702	165,877	18,888	184,765

¹ Actual 1964, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

³ Item 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals.

VALUE OF CONSTRUCTION WORK PERFORMED, BY TYPE OF STRUCTURE - INDUSTRY OR SECTOR, 1964-66¹TABLE 10. Primary Industries²

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	702,213	145,590	847,803	806,207	156,988	963,195	950,525	159,430	1,109,955
Total building construction	251,132	71,413	322,545	233,011	76,054	309,065	274,773	78,363	353,138
Residential	-	-	-	-	-	-	-	-	-
Industrial	99,749	13,793	113,542	73,495	14,997	88,492	113,408	15,904	129,312
2. Factories, plants, workshops, food canneries	5,984	2,852	8,838	12,688	3,163	15,851	12,167	3,609	15,776
3. Mine and mine mill buildings	93,188	10,930	104,118	60,457	11,834	72,291	101,214	12,295	113,509
4. Railway stations, offices, roadway buildings	-	6	6	-	-	-	-	-	-
5. Railway shops, engine houses, water and fuel stations	577	5	582	350	-	350	27	-	27
Commercial	12,574	3,176	15,750	15,810	3,249	19,059	15,451	3,406	18,857
6. Warehouses, storehouses, refrigerated storage, etc.	4,517	1,321	5,838	5,192	1,582	8,774	3,315	1,683	4,998
7. Grain elevators	-	-	-	-	-	-	-	-	-
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	166	96	262	81	98	179	651	94	745
9. Office buildings	5,721	1,449	7,170	7,488	1,283	8,771	9,458	1,333	10,791
10. Stores, retail and wholesale	-	3	3	163	7	170	185	2	187
11. Garages and service stations	1,075	249	1,324	1,247	236	1,483	1,210	249	1,459
12. Theatres, arenas, amusement and recreational buildings	1,088	57	1,145	1,639	43	1,682	628	45	673
13. Laundries and dry cleaning establishments	7	1	8	-	-	-	4	-	4
Institutional	3,647	42	3,689	1,425	55	1,480	655	32	687
14. Schools and other educational buildings	2,383	8	2,391	1,217	10	1,227	607	14	621
15. Churches and other religious buildings	1,144	-	1,144	122	1	123	-	-	-
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	120	34	154	86	29	115	35	17	52
17. Other institutional buildings	-	-	-	-	15	15	13	1	14
Other building construction	135,162	34,402	189,564	142,281	57,753	200,034	145,259	59,023	204,282
18. Farm buildings (excluding dwellings)	126,510	49,915	176,425	131,841	52,433	164,274	135,032	53,787	188,819
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	2	21	23	374	18	390	15	28	43
20. Aeroplane hangars	-	3	3	-	-	-	-	-	-
21. Passenger terminals, bus, boat or air	-	-	-	-	-	-	-	-	-
22. Armouries, barracks, drill halls, etc.	-	-	-	-	-	-	-	-	-
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	8,305	4,314	12,619	9,253	4,065	13,318	9,038	4,058	13,096
24. Other building construction	345	149	494	813	1,239	2,052	1,174	1,150	2,324
Total engineering construction	451,081	74,177	525,258	573,196	80,934	654,130	675,752	81,065	756,817
Marine construction	5,008	1,808	6,816	1,668	1,797	3,465	3,312	1,757	5,069
25. Docks, wharves, piers, breakwaters	4,312	852	5,164	703	842	1,545	2,547	869	3,416
26. Retaining walls, embankments, ripraping	40	-	40	22	13	35	17	10	27
27. Canals and waterways	53	216	269	169	165	334	169	94	263
28. Dredging and pile driving	184	171	355	-	142	142	-	76	76
29. Dyke construction	-	-	-	5	1	6	-	6	6
30. Logging booms	419	563	982	722	628	1,350	577	693	1,270
31. Other marine construction	-	6	6	47	6	53	2	9	11

See footnotes at end of table.

TABLE 10. Primary Industries¹ — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	42,003	16,063	58,066	50,865	16,535	67,400	46,748	17,306	64,054
32. Hard surfaced or paved streets, highways, parking lots, etc.	1,279	252	1,531	1,815	438	2,253	1,248	467	1,715
33. Gravel or stone streets, highways, roads, parking lots, etc.	16,978	6,242	23,220	20,038	5,953	25,991	17,569	5,960	23,529
34. Dirt, clay or other streets, roads, parking lots, etc.	22,154	9,480	31,634	27,486	9,898	37,384	27,186	10,681	37,867
35. Grading, scraping, oiling, filling	1,172	45	1,217	1,337	237	1,574	570	182	752
36. Sidewalks, paths	405	1	406	186	—	186	160	—	160
37. Aerodromes, landing fields, runways, tarmac	15	43	58	3	9	12	15	16	31
Waterworks and sewage systems	37,110	12,380	49,490	34,463	13,026	47,489	35,283	13,086	48,369
38. Tile drains, drainage ditches, storm sewers	13,942	5,379	19,321	14,363	5,652	20,015	14,614	5,794	20,408
39. Water mains, hydrants and services	19,170	5,871	25,041	16,069	5,935	22,004	16,110	6,028	22,138
40. Sewage systems and connections	635	244	879	941	354	1,295	639	160	799
41. Pumping stations, water	1,283	114	1,397	635	268	903	1,663	269	1,932
42. Water storage tanks	2,080	772	2,852	2,455	817	3,272	2,257	835	3,092
Dams and irrigation	18,348	6,407	24,755	19,985	6,770	26,755	18,610	6,939	25,549
43. Dams and reservoirs	2,779	265	3,044	3,759	317	4,076	1,990	319	2,309
44. Irrigation and land reclamation projects	15,569	6,142	21,711	16,226	6,453	22,679	16,620	6,620	23,240
Electric power construction	6,043	792	6,835	2,500	771	3,271	6,249	742	6,991
45. Electric power generating plants, including water conveying and controlling structures	720	162	882	273	148	421	3,273	143	3,416
46. Electric transformer stations	957	82	1,039	519	124	643	1,696	111	1,807
47. Power transmission and distribution lines, trolley wires	4,251	526	4,777	1,599	469	2,068	1,227	457	1,684
48. Street lighting	115	22	137	109	30	139	53	31	84
Railway, telephone and telegraph	1,420	1,548	2,968	726	1,832	2,558	2,657	1,662	4,319
49. Railway tracks and roadbed	1,193	1,209	2,402	559	1,418	1,977	2,503	1,335	3,838
50. Signals and interlockers	92	176	268	99	287	386	5	202	207
51. Telegraph and telephone lines, underground and marine cables	135	163	298	68	127	195	149	125	274
Gas and oil facilities	252,598	22,866	275,464	322,732	27,837	350,569	355,857	25,658	381,515
52. Gas mains and services	1	7	8	6	—	6	—	—	—
53. Pumping stations, oil	71	2	73	—	16	16	5	13	18
54. Pumping stations, gas	256	7	263	—	1	1	—	1	1
55. Oil storage tanks	8,962	22	8,984	95	1	96	297	2	299
56. Gas storage tanks	861	23	884	—	1	1	43	2	45
57. Oil pipe lines	1,791	50	1,841	—	17	17	—	10	10
58. Gas pipe lines	2,350	206	2,556	152	—	152	105	—	105
59. Oil wells	170,314	16,870	187,184	262,497	20,456	282,953	243,297	16,646	259,943
60. Gas wells	29,519	1,273	30,792	41,679	2,937	44,616	75,028	4,382	79,410
61. Oil refinery — Processing units ²	772	4	776	—	—	—	—	—	—
62. Natural gas cleaning plants	37,701	4,402	42,103	18,303	4,408	22,711	37,082	4,602	41,684
Other engineering construction	88,551	12,313	100,864	140,257	12,366	152,623	207,036	13,915	220,951
63. Bridges, trestles, culverts, overpasses, viaducts	697	185	882	946	322	1,268	693	335	1,028
64. Tunnels and subways	27	1	28	351	17	368	161	6	167
65. Incinerators	—	—	—	—	—	—	—	—	—
66. Park systems, landscaping, sodding, etc.	82	30	112	245	22	267	710	29	739
67. Swimming pools, tennis courts, outdoor recreation facilities	1	34	35	—	34	34	—	31	31
68. Mine shafts and other below surface workings	41,539	3,963	45,502	54,655	3,534	58,189	101,505	4,864	106,369
69. Fences, snowsheds, signs, guard rails	19,589	7,788	27,377	21,373	8,123	29,496	20,958	8,333	29,291
70. Other engineering construction	26,616	312	26,928	62,687	314	63,001	83,009	317	83,326

¹ Actual 1964, preliminary 1965, intentions 1966.

² Primary industries include agriculture, fishing, mining, quarrying, oil wells and the construction industry. See also footnote 2, Table 3.

³ Item 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals.

TABLE 11. Manufacturing¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	443,531	147,683	591,214	569,146	145,805	714,951	686,784	152,000	838,784
Total building construction	397,202	105,637	502,839	509,366	107,987	617,353	584,521	110,758	695,279
Residential									
Industrial	365,283	101,230	466,533	477,632	104,007	581,639	550,190	106,925	657,115
2. Factories, plants, workshops, food canneries	364,942	101,138	466,080	477,305	104,006	581,311	549,178	106,881	656,059
3. Mine and mine mill buildings	297	79	376	312	1	313	1,012	44	1,056
4. Railway stations, offices, roadway buildings	3	29	32	15	—	15	—	—	—
5. Railway shops, engine houses, water and fuel stations	41	4	45	—	—	—	—	—	—
Commercial	30,946	3,938	34,884	29,634	3,534	33,168	32,097	3,398	35,495
6. Warehouses, storehouses, refrigerated storage, etc.	14,497	1,102	15,599	15,434	1,293	16,727	18,029	1,347	19,376
7. Grain elevators	104	30	134	85	56	141	146	41	187
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	124	81	205	158	51	209	114	53	167
9. Office buildings	15,898	2,592	18,490	13,479	1,964	15,443	13,299	1,846	15,145
10. Stores, retail and wholesale	102	61	163	247	110	357	167	53	220
11. Garages and service stations	145	70	215	102	49	151	111	47	158
12. Theatres, arenas, amusement and recreational buildings	57	2	59	129	11	140	231	11	242
13. Laundries and dry cleaning establishments	19	—	19	—	—	—	—	—	—
Institutional	132	41	173	167	30	197	—	33	33
14. Schools and other educational buildings	103	3	106	165	5	170	—	3	3
15. Churches and other religious buildings	—	—	—	—	—	—	—	—	—
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	29	38	67	2	25	27	—	30	30
17. Other institutional buildings	—	—	—	—	—	—	—	—	—
Other building construction	841	408	1,249	1,933	416	2,349	2,234	402	2,636
18. Farm buildings (excluding dwellings)	208	87	295	337	121	458	379	61	440
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	—	—	—	—	—	—	—	35	35
20. Aeroplane hangars	40	47	87	15	58	73	25	63	88
21. Passenger terminals, bus, boat or air	—	—	—	—	—	—	—	—	—
22. Armouries, barracks, drill halls, etc.	—	—	—	—	—	—	—	—	—
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	317	239	556	1,091	189	1,280	1,029	196	1,225
24. Other building construction	276	35	311	490	48	538	801	47	848
Total engineering construction	46,329	42,046	88,375	59,780	37,818	97,598	102,263	41,242	143,505
Marine construction	2,626	1,831	4,457	2,042	1,352	3,394	7,007	1,337	8,344
25. Docks, wharves, piers, breakwaters	1,734	1,180	2,914	1,534	652	2,186	6,881	700	7,581
26. Retaining walls, embankments, ripraping	115	19	134	40	5	45	60	10	70
27. Canals and waterways	—	5	5	—	15	15	—	15	15
28. Dredging and pile driving	608	392	1,000	415	486	901	58	432	490
29. Dyke construction	6	21	27	—	23	23	—	23	23
30. Logging booms	118	197	315	45	141	186	8	138	146
31. Other marine construction	45	17	62	8	30	38	—	19	19

See footnote at end of table.

TABLE 11. Manufacturing¹ — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	6,532	1,686	8,218	7,374	1,719	9,093	5,430	1,949	7,379
32. Hard surfaced or paved streets, highways, parking lots, etc....	4,626	845	5,471	4,887	823	5,710	3,882	1,056	4,938
33. Gravel or stone streets, highways, roads, parking lots, etc.	590	326	916	1,210	410	1,620	454	419	873
34. Dirt, clay or other streets, roads, parking lots, etc.	1,132	351	1,483	695	392	1,287	839	421	1,260
35. Grading, scraping, oiling, filling	162	42	204	347	87	434	223	47	270
36. Sidewalks, paths	13	15	28	32	3	35	32	5	37
37. Aerodromes, landing fields, runways, tarmac	9	107	116	3	4	7	—	1	1
Waterworks and sewage systems	5,479	1,209	6,688	5,620	1,336	6,956	5,046	1,337	6,383
38. Tile drains, drainage ditches, storm sewers	516	83	599	561	105	666	150	71	221
39. Water mains, hydrants and services	2,122	428	2,550	1,652	398	2,050	2,112	504	2,616
40. Sewage systems and connections	1,570	346	1,916	1,637	306	1,943	1,869	340	2,009
41. Pumping stations, water	1,011	286	1,297	1,553	354	1,907	965	374	1,339
42. Water storage tanks	260	66	326	217	173	390	150	48	198
Dams and irrigation	541	72	613	29	96	125	68	123	191
43. Dams and reservoirs	393	41	434	29	96	125	68	123	191
44. Irrigation and land reclamation projects	148	31	179	—	—	—	—	—	—
Electric power construction	4,397	898	5,295	2,963	1,065	4,028	1,355	1,139	2,494
45. Electric power generating plants, including water conveying and controlling structures	1,252	436	1,688	169	292	461	251	245	496
46. Electric transformer stations	2,448	189	2,637	1,757	253	2,010	572	261	833
47. Power transmission and distribution lines, trolley wires	667	268	935	908	496	1,404	505	625	1,130
48. Street lighting	30	5	35	129	24	153	27	8	35
Railway, telephone and telegraph	1,354	857	2,211	1,606	664	2,270	1,700	626	2,326
49. Railway tracks and roadbed	1,340	794	2,134	1,575	805	2,180	1,604	562	2,166
50. Signals and interlockers	—	6	6	9	2	11	1	—	1
51. Telegraph and telephone lines, underground and marine cables	14	57	71	22	57	79	95	64	159
Gas and oil facilities	22,510	33,213	55,723	35,514	29,993	65,507	80,789	32,974	113,763
52. Gas mains and services	39	18	57	66	21	87	—	20	20
53. Pumping stations, oil	63	13	76	84	7	91	—	2	2
54. Pumping stations, gas	7	1	8	—	—	—	—	1	1
55. Oil storage tanks	2,701	1,251	3,952	2,591	1,374	3,965	3,155	1,509	4,664
56. Gas storage tanks	71	1	72	20	3	23	—	4	4
57. Oil pipe lines	260	53	313	211	64	275	47	69	116
58. Gas pipe lines	51	40	91	6	47	53	—	42	42
59. Oil wells	—	—	—	—	—	—	—	—	—
60. Gas wells	—	—	—	—	—	—	—	—	—
61. Oil refinery—Processing units ²	19,318	31,836	51,154	32,536	28,477	61,013	77,587	31,327	108,914
62. Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other engineering construction	2,890	2,280	5,170	4,632	1,593	6,225	868	1,757	2,625
63. Bridges, trestles, culverts, overpasses, viaducts	243	300	543	376	77	453	315	69	384
64. Tunnels and subways	48	—	48	—	—	—	6	1	7
65. Incinerators	84	7	91	19	1	20	51	4	55
66. Park systems, landscaping, sodding, etc.	85	204	289	36	214	250	76	217	293
67. Swimming pools, tennis courts, outdoor recreation facilities ...	6	14	20	—	4	4	—	5	5
68. Mine shafts and other below surface workings	—	19	19	—	—	—	—	—	—
69. Fences, snowsheds, signs, guard rails	431	101	532	218	65	283	161	78	239
70. Other engineering construction	1,993	1,635	3,628	3,983	1,232	5,215	259	1,383	1,642

¹ Actual 1964, preliminary, 1965, intentions 1966.

² Item 61 "Oil refinery—Processing units" includes related structures employed in production of petrochemicals.

TABLE 12. Utilities¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	1,332,081	289,636	1,621,717	1,472,274	299,161	1,771,435	1,593,478	310,851	1,904,329
Total building construction	93,986	37,150	131,136	95,992	38,262	134,254	143,111	39,273	182,384
Residential	-	-	-	-	-	-	-	-	-
Industrial	21,720	22,331	44,051	17,489	20,539	38,028	16,575	21,199	37,774
2. Factories, plants, workshops, food canneries	2,763	3,082	5,845	2,277	1,661	3,938	3,049	1,610	4,659
3. Mine and mine mill buildings	2	-	2	-	-	-	240	-	240
4. Railway stations, offices, roadway buildings	11,437	13,227	24,664	9,399	12,449	21,848	7,443	12,945	20,388
5. Railway shops, engine houses, water and fuel stations	7,518	6,022	13,540	5,813	6,429	12,242	5,843	6,644	12,487
Commercial	40,380	11,247	51,627	44,023	14,750	58,773	66,959	14,305	81,264
6. Warehouses, storehouses, refrigerated storage, etc.	10,060	2,566	12,626	13,665	3,528	17,193	18,635	3,599	22,234
7. Grain elevators	10,513	6,492	17,005	10,724	7,626	18,350	22,272	7,028	29,300
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	7	7	14	139	5	144	72	5	77
9. Office buildings	14,570	1,324	15,894	12,231	1,804	14,035	18,207	1,844	20,051
10. Stores, retail and wholesale	-	-	-	-	-	-	-	-	-
11. Garages and service stations	5,119	844	5,963	7,040	1,771	8,811	7,587	1,810	9,397
12. Theatres, arenas, amusement and recreational buildings	111	14	125	224	16	240	186	19	205
13. Laundries and dry cleaning establishments	-	-	-	-	-	-	-	-	-
Institutional	-	12	12	-	14	14	220	16	236
14. Schools and other educational buildings	-	3	3	-	1	1	220	3	223
15. Churches and other religious buildings	-	-	-	-	-	-	-	-	-
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	-	9	9	-	13	13	-	13	13
17. Other institutional buildings	-	-	-	-	-	-	-	-	-
Other building construction	31,886	3,560	35,446	34,480	2,959	37,439	59,537	3,753	63,110
18. Farm buildings (excluding dwellings)	-	-	-	-	-	-	-	-	-
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	30,884	2,332	33,216	31,297	2,012	33,309	36,708	2,151	38,859
20. Aeroplane hangars	68	147	215	49	198	247	41	217	258
21. Passenger terminals, bus, boat or air	490	833	1,323	3,070	467	3,537	21,347	1,097	22,444
22. Armouries, barracks, drill halls, etc.	-	-	-	-	-	-	-	-	-
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	383	47	430	9	72	81	857	78	935
24. Other building construction	61	201	262	55	210	265	404	210	614
Total engineering construction	1,238,095	252,486	1,490,581	1,376,282	260,899	1,637,181	1,450,367	271,578	1,721,945
Marine construction	7,835	3,937	11,772	26,194	5,944	32,138	41,061	7,332	48,393
25. Docks, wharves, piers, breakwaters	4,706	2,483	7,189	19,400	3,509	22,909	22,514	3,624	26,138
26. Retaining walls, embankments, ripraping	13	37	50	75	1,019	1,094	120	170	290
27. Canals and waterways	2,774	1,028	3,802	6,219	933	7,152	18,002	3,049	21,051
28. Dredging and pile driving	314	387	701	268	480	748	325	484	809
29. Dyke construction	28	-	28	-	-	-	-	-	-
30. Logging booms	-	-	-	8	3	11	-	-	-
31. Other marine construction	-	2	2	224	-	224	100	5	105

See footnote at end of table.

TABLE 12. Utilities¹ — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	40,569	623	41,192	26,462	734	27,196	20,770	737	21,507
32. Hard surfaced or paved streets, highways, parking lots, etc.	33,969	344	34,313	20,888	592	21,480	16,608	614	17,222
33. Gravel or stone streets, highways, roads, parking lots, etc.	1,047	131	1,178	2,272	114	2,386	1,614	95	1,709
34. Dirt, clay or other streets, roads, parking lots, etc.	741	64	805	118	14	132	46	11	57
35. Grading, scraping, oiling, filling	4,811	84	4,895	3,157	5	3,162	2,501	5	2,506
36. Sidewalks, paths	—	—	—	2	9	11	—	11	11
37. Aerodromes, landing fields, runways, tarmac	1	—	1	25	—	25	1	1	2
Waterworks and sewage systems	58,678	21,332	80,010	93,846	20,370	114,216	118,751	20,508	139,259
38. Tile drains, drainage ditches, storm sewers	5	10	15	48	13	61	540	8	548
39. Water mains, hydrants and services	49,659	19,074	68,733	70,488	16,754	87,242	86,869	18,802	105,671
40. Sewage systems and connections	49	47	96	600	23	623	10,500	19	10,519
41. Pumping stations, water	8,140	2,110	10,250	18,294	1,319	19,613	17,414	1,586	19,000
42. Water storage tanks	825	91	916	4,416	2,261	6,677	3,428	93	3,521
Dams and irrigation	119,039	565	119,604	164,634	612	165,246	162,558	947	163,505
43. Dams and reservoirs	118,909	565	119,474	156,033	612	156,645	162,558	947	163,505
44. Irrigation and land reclamation projects	130	—	130	8,601	—	8,601	—	—	—
Electric power construction	459,304	48,223	507,527	585,282	54,318	639,600	638,602	56,222	694,824
45. Electric power generating plants, including water conveying and controlling structures	153,286	11,337	164,623	246,682	12,850	259,532	310,748	13,681	324,429
46. Electric transformer stations	61,616	3,661	65,277	91,327	4,526	95,853	60,981	4,585	65,566
47. Power transmission and distribution lines, trolley wires	237,190	30,923	268,113	239,766	34,799	274,565	258,406	35,745	294,151
48. Street lighting	7,212	2,302	9,514	7,507	2,143	9,650	8,467	2,211	10,678
Railway, telephone and telegraph	246,179	154,610	400,789	237,542	156,361	393,903	247,165	161,484	408,649
49. Railway tracks and roadbed	118,066	102,204	220,270	98,457	101,856	200,313	91,280	105,037	196,317
50. Signals and interlockers	9,258	8,453	17,711	8,262	9,307	17,569	5,890	9,454	15,344
51. Telegraph and telephone lines, underground and marine cables	118,855	43,953	162,808	130,823	45,198	176,021	149,995	46,993	196,988
Gas and oil facilities	198,886	11,511	210,397	145,363	10,112	155,475	140,151	10,397	150,748
52. Gas mains and services	47,970	5,161	53,131	67,957	4,800	72,757	57,800	5,203	63,003
53. Pumping stations, oil	3,874	1,888	5,762	6,519	1,498	8,017	2,248	1,650	3,898
54. Pumping stations, gas	29,127	539	29,666	2,009	460	2,469	7,354	424	7,778
55. Oil storage tanks	1,389	296	1,685	930	483	1,413	549	277	826
56. Gas storage tanks	248	30	278	693	67	760	3,210	59	3,269
57. Oil pipe lines	22,601	2,472	25,073	33,581	1,848	35,429	29,684	1,730	31,414
58. Gas pipe lines	93,137	1,062	94,199	28,684	906	29,590	37,877	1,203	39,080
59. Oil wells	—	—	—	4,590	—	4,590	799	—	799
60. Gas wells	353	23	376	92	26	118	356	27	383
61. Oil refinery — Processing units	—	—	—	—	—	—	—	—	—
62. Natural gas cleaning plants	187	40	227	308	24	332	274	24	298
Other engineering construction	107,605	11,685	119,290	96,959	12,448	109,407	81,309	13,751	93,060
63. Bridges, trestles, culverts, overpasses, viaducts	27,601	8,700	36,301	27,404	9,677	37,061	39,623	10,821	50,444
64. Tunnels and subways	73,183	44	73,227	65,886	39	65,925	37,619	119	37,738
65. Incinerators	—	—	—	—	—	—	—	—	—
66. Park systems, landscaping, sodding, etc.	63	32	95	275	53	328	309	42	351
67. Swimming pools, tennis courts, outdoor recreation facilities	101	2	103	—	—	—	2	—	2
68. Mine shafts and other below surface workings	—	—	—	—	4	4	—	3	3
69. Fences, snowsheds, signs, guard rails	2,982	2,420	5,402	1,064	1,863	2,927	927	1,935	2,862
70. Other engineering construction	3,675	487	4,162	2,330	812	3,142	2,829	831	3,660

¹ Actual 1964, preliminary 1965, intentions 1966.

TABLE 13. Trade Finance and Commercial Services¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	547,773	77,966	625,739	698,025	85,113	783,138	840,430	86,154	926,584
Total building construction	526,813	75,969	602,782	650,489	83,319	733,808	771,283	84,156	855,439
Residential	-	-	-	-	-	-	-	-	-
Industrial	13,964	318	16,282	21,851	1,299	23,150	13,867	1,244	15,111
2. Factories, plants, work shops, food canneries	15,844	318	16,162	21,851	1,299	23,150	13,867	1,244	15,111
3. Mine and mine mill buildings	-	-	-	-	-	-	-	-	-
4. Railway stations, offices, roadway buildings	100	-	100	-	-	-	-	-	-
5. Railway shops, engine houses, water and fuel stations	20	-	20	-	-	-	-	-	-
Commercial	504,476	75,580	580,056	623,530	81,916	705,446	748,159	82,777	830,936
6. Warehouses, storehouses, refrigerated storage, etc.	22,945	3,416	26,361	25,507	6,276	31,783	48,904	6,652	55,556
7. Grain elevators	24	4	28	-	47	47	225	30	255
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	58,534	12,090	70,624	80,081	11,300	91,381	89,724	11,572	101,296
9. Office buildings	198,056	16,298	214,354	235,412	20,446	255,858	265,624	20,256	285,880
10. Stores, retail and wholesale	173,803	30,806	204,609	201,168	31,592	232,760	229,234	31,575	260,809
11. Garages and service stations	23,594	9,457	33,051	33,350	8,448	41,798	44,526	8,509	53,035
12. Theatres, arenas, amusement and recreational buildings	25,223	2,299	27,522	46,346	2,671	49,017	69,363	3,053	72,416
13. Laundries and dry cleaning establishments	2,297	1,210	3,507	1,666	1,136	2,802	559	1,130	1,689
Institutional	-	-	-	1,170	10	1,180	3,179	13	3,192
14. Schools and other educational buildings	-	-	-	-	-	-	200	-	200
15. Churches and other religious buildings	-	-	-	-	-	-	-	-	-
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	-	-	-	-	-	-	-	-	-
17. Other institutional buildings	-	-	-	1,170	10	1,180	2,979	13	2,992
Other building construction	6,373	71	6,444	3,938	94	4,032	6,078	122	6,290
18. Farm buildings (excluding dwellings)	874	-	874	221	2	223	247	4	251
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	-	-	-	-	-	-	-	-	-
20. Aeroplane hangars	-	-	-	-	-	-	-	-	-
21. Passenger terminals, bus, boat or air	-	-	-	-	-	-	-	-	-
22. Armouries, barracks, drill halls, etc.	-	-	-	-	-	-	-	-	-
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	55	2	57	-	-	-	-	-	-
24. Other building construction	5,444	69	5,513	3,717	92	3,809	5,831	118	5,949
Total engineering construction	20,960	1,997	22,957	47,536	1,794	49,330	69,147	1,998	71,145
Marine construction	324	27	351	3,071	9	3,080	1,758	35	1,793
25. Docks, wharves, piers, breakwaters	88	27	115	2,427	8	2,435	113	35	148
26. Retaining walls, embankments, ripraping	234	-	234	7	-	7	32	-	32
27. Canals and waterways	-	-	-	-	-	-	-	-	-
28. Dredging and pile driving	2	-	2	200	1	201	175	-	175
29. Dyke construction	-	-	-	12	-	12	38	-	38
30. Logging booms	-	-	-	-	-	-	-	-	-
31. Other marine construction	-	-	-	425	-	425	1,400	-	1,400

See footnote at end of table.

TABLE 13. Trade Finance and Commercial Services¹ — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	4,340	904	5,244	6,820	438	7,258	11,179	491	11,670
32. Hard surfaced or paved streets, highways, parking lots, etc.	3,566	812	4,378	3,955	382	4,337	8,331	420	8,751
33. Gravel or stone streets, highways, roads, parking lots, etc.	246	65	311	773	38	811	447	48	495
34. Dirt, clay or other streets, roads, parking lots, etc.	50	11	61	39	5	44	12	5	17
35. Grading, scraping, oiling, filling	403	10	413	1,989	12	2,001	2,322	17	2,339
36. Sidewalks, paths	75	6	81	64	1	65	67	1	68
37. Aerodromes, landing fields, runways, tarmac	—	—	—	—	—	—	—	—	—
Waterworks and sewage systems	2,836	22	2,858	5,640	13	5,653	7,279	17	7,296
38. Tile drains, drainage ditches, storm sewers	657	14	671	1,397	4	1,401	1,354	5	1,359
39. Water mains, hydrants and services	1,136	—	1,136	1,729	—	1,729	2,037	—	2,037
40. Sewage systems and connections	916	8	924	2,239	9	2,248	3,410	12	3,422
41. Pumping stations, water	127	—	127	274	—	274	478	—	478
42. Water storage tanks	—	—	—	1	—	1	—	—	—
Dams and irrigation	—	7	7	317	—	317	—	—	—
43. Dams and reservoirs	—	—	—	317	—	317	—	—	—
44. Irrigation and land reclamation projects	—	7	7	—	—	—	—	—	—
Electric power construction	334	13	347	2,158	4	2,162	4,751	2	4,753
45. Electric power generating plants, including water conveying and controlling structures	—	1	1	1	—	1	—	—	—
46. Electric transformer stations	90	1	91	150	1	151	500	—	500
47. Power transmission and distribution lines, trolley wires	160	10	170	1,637	—	1,637	1,740	—	1,740
48. Street lighting	84	1	85	370	3	373	2,511	2	2,513
Railway, telephone and telegraph	264	3	267	177	—	177	523	—	523
49. Railway tracks and roadbed	259	3	362	177	—	177	523	—	523
50. Signals and interlockers	—	—	—	—	—	—	—	—	—
51. Telegraph and telephone lines, underground and marine cables	5	—	5	—	—	—	—	—	—
Gas and oil facilities	3,537	974	4,511	3,157	828	3,985	4,004	960	4,964
52. Gas main and services	5	—	5	404	—	404	305	—	305
53. Pumping stations, oil	6	—	6	—	—	—	—	—	—
54. Pumping stations, gas	250	24	274	6	4	10	17	5	22
55. Oil storage tanks	3,266	904	4,170	2,521	760	3,261	3,501	879	4,380
56. Gas storage tanks	4	22	26	220	54	274	137	64	201
57. Oil pipe lines	—	24	24	6	10	16	44	12	56
58. Gas pipe lines	—	—	—	—	—	—	—	—	—
59. Oil wells	6	—	6	—	—	—	—	—	—
60. Gas wells	—	—	—	—	—	—	—	—	—
61. Oil refinery — Processing units	—	—	—	—	—	—	—	—	—
62. Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other engineering construction	9,325	47	9,372	26,196	502	26,698	39,653	493	40,146
63. Bridges, trestles, culverts, overpasses, viaducts	7,062	—	7,062	12,259	3	12,262	3,127	3	3,130
64. Tunnels and subways	—	—	—	8,335	—	8,335	17,235	—	17,235
65. Incinerators	—	—	—	—	—	—	—	—	—
66. Park systems, landscaping, sodding, etc.	426	36	462	1,640	30	1,670	8,077	11	8,088
67. Swimming pools, tennis courts, outdoor recreation facilities	463	—	463	1,038	455	1,493	683	465	1,148
68. Mine shafts and other below surface workings	—	—	—	—	—	—	—	—	—
69. Fences, snowsheds, signs, guard rails	208	11	219	374	14	388	977	14	991
70. Other engineering construction	1,166	—	1,166	2,550	—	2,550	9,554	—	9,554

¹ Actual 1964, preliminary 1965, intentions 1966.

TABLE 14. Federal Government Department¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	204,228	81,699	285,927	277,325	83,709	361,034	300,722	89,714	390,436
Total building construction	101,801	49,343	151,144	136,548	47,058	183,606	150,757	50,194	200,951
2. Factories, plants, workshops, food canneries	18,307	5,394	23,701	24,980	5,311	30,291	27,132	5,675	32,807
6. Warehouses, storehouses, refrigerated storage, etc.	2,986	2,206	5,192	4,626	2,133	6,759	5,014	2,282	7,296
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	372	1,142	1,514	516	1,150	1,666	563	1,211	1,774
9. Office buildings	35,289	9,910	45,199	46,262	9,939	56,201	50,597	10,682	61,279
10. Stores, retail and wholesale	235	138	373	292	137	429	340	141	481
11. Garages and service stations	893	595	1,488	1,196	559	1,755	1,376	594	1,970
12. Theatres, arenas, amusement and recreational buildings	2,355	3,211	5,566	3,169	2,399	5,568	3,383	2,643	6,026
14. Schools and other educational buildings	6,850	2,464	9,314	8,953	2,289	11,242	9,797	2,412	12,209
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	1,881	2,194	4,075	2,451	2,179	4,630	2,986	2,352	5,340
17. Other institutional buildings	12,595	167	12,762	16,579	168	16,747	19,317	177	19,494
18. Farm buildings (excluding dwellings)	1,748	187	1,935	2,443	168	2,611	2,610	176	2,786
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	3,880	716	4,596	5,009	689	5,698	5,662	760	6,422
20. Aeroplane hangars	578	3,308	3,886	781	3,171	3,952	845	3,296	4,141
21. Passenger terminals, bus, boat or air	4,863	30	4,893	6,832	20	6,852	7,339	20	7,359
22. Armouries, barracks, drill halls, etc.	5,754	14,401	20,155	7,670	13,600	21,270	8,591	14,484	23,075
24. Other building construction	3,215	3,280	6,495	4,789	3,146	7,935	5,203	3,289	8,492
Total engineering construction	102,427	32,356	134,783	140,777	36,651	177,428	149,965	39,520	189,485
25. Docks, wharves, piers, breakwaters	24,504	3,972	28,476	35,487	3,580	39,067	38,822	3,817	42,639
26. Retaining walls, embankments, ripraping	3,651	831	4,482	4,737	782	5,519	5,036	881	5,917
27. Canals and waterways	85	219	304	115	232	347	128	253	381
28. Dredging and pile driving	1,028	2,496	3,524	1,407	2,286	3,693	1,524	2,412	3,936
29. Dyke construction	375	102	477	567	78	645	597	79	676
31. Other marine construction	2,026	284	2,310	3,127	226	3,353	3,499	251	3,750
32. Hard surfaced or paved streets, highways, parking lots, etc.	7,939	2,522	10,461	10,326	2,395	12,721	12,181	2,528	14,709
33. Gravel or stone streets, highways, roads, parking lots, etc.	6,274	1,891	8,165	7,979	1,529	9,508	9,659	1,664	11,323
34. Dirt, clay or other streets, roads, parking lots, etc.	1,473	305	1,778	1,953	287	2,240	2,337	305	2,642
35. Grading, scraping, oiling, filling	99	143	242	140	127	267	150	136	286
37. Aerodromes, landing fields, runways, tarmac	14,029	2,435	16,464	18,765	2,244	21,009	21,420	2,402	23,822
38. Tile drains, drainage ditches, storm sewers	156	288	444	196	256	452	235	272	507
39. Water mains, hydrants and services	1,719	765	2,484	2,149	678	2,827	2,543	723	3,266
40. Sewage systems and connections	653	602	1,255	886	573	1,459	1,000	618	1,618
43. Dams and reservoirs	21,662	1,535	23,197	30,355	1,456	31,811	26,048	1,409	27,457
44. Irrigation and land reclamation projects	772	744	1,516	1,034	637	1,671	1,260	663	1,923
45. Electric power generating plants, including water conveying and controlling structures	844	1,538	2,382	1,087	1,466	2,553	1,256	1,570	2,826
46. Electric transformer stations	128	287	415	170	197	367	201	204	405
47. Power transmission and distribution lines, trolley wires	594	584	1,178	790	553	1,343	925	591	1,516
55. Oil storage tanks	514	40	554	607	35	642	698	39	737
63. Bridges, trestles, culverts, overpasses, viaducts	3,145	4,815	7,960	4,846	3,546	8,392	5,106	3,947	9,053
66. Park systems, landscaping, sodding, etc.	2,035	2,282	4,317	2,659	2,133	4,792	3,116	2,272	5,388
67. Swimming pools, tennis courts, outdoor recreation facilities	953	325	1,278	1,367	298	1,665	1,507	317	1,824
69. Fences, snowsheds, signs, guard rails	642	644	1,286	888	631	1,519	964	676	1,640
70. Other engineering construction	7,127	2,707	9,834	9,140	10,426	19,566	9,753	11,491	21,244

¹ Actual 1964, preliminary 1965, intentions 1966.

TABLE 15. Provincial Government Departments¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	657,918	140,500	798,418	851,958	165,405	1,017,363	963,948	193,002	1,156,950
Total building construction	55,309	23,808	79,117	88,455	27,482	115,937	95,203	31,268	126,471
6. Warehouses, storehouses, refrigerated storage, etc.	3,743	650	4,393	7,662	308	7,970	6,820	1,152	7,972
9. Office buildings	33,635	11,534	45,169	44,869	20,204	65,073	47,040	20,754	67,794
10. Stores, retail and wholesale	773	27	800	33	14	47	87	17	104
17. Other institutional buildings	8,569	5,531	14,100	25,254	4,939	30,193	27,790	6,101	33,891
24. Other building construction	8,589	6,066	14,655	10,637	2,017	12,654	13,468	3,244	16,710
Total engineering construction	602,609	116,692	719,301	763,503	137,923	901,426	868,745	161,734	1,030,479
25. Docks, wharves, piers, breakwaters	2,239	207	2,446	390	1,966	2,356	459	20	479
26. Retaining walls, embankments, ripraping	1,544	31	1,575	9	10	19	40	13	53
31. Other marine construction	13	487	500	397	620	1,017	588	671	1,259
32. Hard surfaced or paved streets, highways, parking lots, etc.	309,210	35,975	345,185	449,926	74,272	524,198	491,167	82,921	574,088
33. Gravel or stone streets, highways, roads, parking lots, etc.	113,642	34,185	147,827	84,682	19,918	104,600	92,716	21,723	114,439
34. Dirt, clay or other streets, roads, parking lots, etc.	40,448	16,111	56,559	34,212	10,924	45,136	46,936	22,534	69,470
35. Grading, scraping, oiling, filling	19,465	8,155	27,620	18,907	6,841	25,748	21,355	7,862	29,217
38. Tile drains, drainage ditches, storm sewers	1,563	1,129	2,692	3,543	1,992	5,535	5,899	1,885	7,784
39. Water mains, hydrants and services	384	21	405	1,311	157	1,468	3,322	66	3,388
40. Sewage systems and connections	646	12	658	482	11	493	2,620	24	2,644
43. Dams and reservoirs	34	—	34	7,901	40	7,941	14,221	37	14,258
44. Irrigation and land reclamation projects	146	10	156	2,244	2	2,246	2,895	5	2,900
47. Power transmission and distribution lines, trolley wires ...	31	—	31	359	30	389	224	43	267
51. Telegraph and telephone lines, underground and marine cables	934	23	957	5	16	21	—	16	16
63. Bridges, trestles, culverts, overpasses, viaducts	103,131	14,863	117,994	131,184	14,872	146,056	158,248	17,325	175,573
66. Park systems, landscaping, sodding, etc.	2,099	1,538	3,637	4,647	2,740	7,387	5,250	2,679	7,929
67. Swimming pools, tennis courts, outdoor recreation facilities	3	57	60	1,090	854	1,944	2,844	1,124	3,968
69. Fences, snowsheds, signs, guard rails	3,053	2,745	5,798	2,384	1,945	4,329	2,753	2,131	4,884
70. Other engineering construction	4,024	1,143	5,167	19,830	713	20,543	17,208	655	17,863

¹ Actual 1964, preliminary 1965, intentions 1966.

TABLE 16. Municipal Government Departments¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	441,199	109,114	550,313	520,120	85,891	606,011	529,575	87,330	616,905
Total building construction	73,625	7,882	81,507	98,956	6,100	105,056	95,416	6,002	101,418
9. Office buildings	21,886	1,450	23,336	21,944	1,751	23,695	13,583	1,487	15,070
12. Theatres, arenas, amusement and recreational buildings	21,536	4,130	25,666	32,629	2,258	34,887	38,118	2,287	40,405
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	7,438	389	7,827	9,373	395	9,768	10,830	423	11,253
17. Other institutional buildings	13,576	1,056	14,632	20,283	973	21,256	17,739	961	18,700
30. Other building construction	9,189	857	10,046	14,727	723	15,450	15,146	844	15,990
Total engineering construction	367,574	101,232	468,806	421,164	79,791	500,955	434,159	81,328	515,487
32. Hard surfaced or paved streets, highways, parking lots, etc.	145,576	68,655	214,231	170,950	55,908	226,858	169,945	56,490	236,435
36. Sidewalks, paths	17,004	4,306	21,310	18,595	3,911	22,506	17,637	4,511	22,148
40. Sewage systems and connections	124,535	12,629	137,164	132,127	8,714	140,841	129,736	9,012	138,748
48. Street lighting	6,074	5,536	11,610	7,632	3,902	11,534	8,213	4,124	12,337
63. Bridges, trestles, culverts, overpasses, viaducts	38,501	2,514	41,015	44,964	2,367	47,331	59,386	2,207	61,593
70. Other engineering construction	35,884	7,592	43,476	46,896	4,989	51,885	49,242	4,984	54,226

¹ Actual 1964, preliminary 1965, intentions 1966.

TABLE 17. Housing and Institutional Services¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Residential	2,027,500	577,000	2,604,500	2,133,300	619,100	2,752,400	2,216,000	656,000	2,872,000
Institutional:									
Total value of work	647,807	60,751	708,558	872,749	63,178	935,927	1,098,188	71,008	1,169,196
8. Hotels, clubs, restaurants, cafeteria, tourist cabins	24	—	24	616	11	627	200	—	200
9. Office buildings	14	1	15	—	—	—	—	—	—
12. Theatres, arenas, amusement and recreational buildings	686	30	716	3,997	73	4,070	6,700	307	7,007
14. Schools and other educational buildings	430,278	30,383	460,661	627,249	35,405	662,654	795,503	40,357	835,860
15. Churches and other religious buildings	40,912	8,639	49,551	37,550	6,034	43,584	32,067	6,090	38,157
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	147,273	19,612	166,885	163,530	19,941	183,471	209,696	22,679	232,375
17. Other institutional buildings	20,143	1,783	21,926	19,358	1,487	20,845	25,649	1,247	26,896
18. Farm buildings (excluding dwellings)	—	22	22	11	19	30	—	30	30
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	3,931	99	4,030	11,172	97	11,269	19,051	81	19,132
24. Other building construction	6	1	7	24	2	26	1,012	2	1,014
Total engineering construction	4,540	181	4,721	9,242	109	9,351	8,310	215	8,525

¹ Actual 1964, preliminary 1965, intentions 1966.

VALUE OF CONSTRUCTION WORK PERFORMED, BY TYPE OF STRUCTURE — PROVINCES 1964-66¹

TABLE 18. Newfoundland

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	154,310	27,769	182,079	154,756	35,216	189,972	182,537	36,629	219,166
Total building construction	82,991	15,633	98,624	74,052	17,978	92,030	96,639	18,542	115,181
Residential	34,800	9,800	44,600	31,300	10,500	41,800	32,700	11,100	43,800
Industrial ²	—	—	—	5,277	1,843	7,120	9,739	2,007	11,746
Commercial	9,643	2,487	12,130	12,644	2,242	14,886	12,299	2,225	14,524
Institutional	11,479	1,276	12,755	20,982	2,580	23,562	33,942	2,494	36,436
Other building construction	27,069	2,070	29,139	3,849	813	4,662	7,959	716	8,675
Total engineering construction	71,319	12,136	83,455	80,704	17,238	97,942	85,898	18,087	103,985
Marine construction	6,043	1,273	7,316	11,434	1,357	12,791	11,527	1,516	13,043
Road, highway and aerodrome construction	45,170	8,045	53,215	39,900	9,178	49,078	34,653	10,127	44,780
Waterworks and sewage systems	1,321	362	1,683	748	505	1,253	537	523	1,060
Dams and irrigation	15	71	86	35	111	146	37	23	60
Electric power construction	6,854	756	7,610	20,674	803	21,477	31,909	952	32,861
Railway, telephone and telegraph	3,690	1,320	5,010	3,535	1,740	5,275	2,100	1,414	3,514
Gas and oil facilities	894	35	929	159	9	168	1,870	8	1,878
Other engineering construction	7,332	274	7,606	4,219	3,535	7,754	3,265	3,524	6,789

¹ Actual 1964, preliminary 1965, intentions 1966.

² Included in "Other building" in 1964.

TABLE 19. Prince Edward Island¹

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	25,807	7,731	33,538	29,940	13,631	43,571	36,114	14,201	50,315
Total building construction	13,841	4,356	18,197	17,437	4,904	22,341	19,435	4,445	23,880
Residential	5,600	1,700	7,300	8,000	1,800	9,800	8,200	1,900	10,100
Industrial	757	165	922	2,592	104	2,696	769	122	891
Commercial	4,605	571	5,176	3,807	617	4,424	3,936	425	4,361
Institutional	2,071	254	2,325	2,129	479	2,608	5,598	247	5,845
Other building construction	808	1,666	2,474	909	1,904	2,813	932	1,751	2,683
Total engineering construction	11,966	3,375	15,341	12,503	8,727	21,230	16,679	9,756	26,435
Marine construction	1,346	561	1,907	1,684	694	2,378	1,767	555	2,322
Road, highway and aerodrome construction	7,155	1,378	8,533	7,563	1,615	9,178	8,550	1,807	10,357
Waterworks and sewage systems	605	363	968	228	217	445	233	220	453
Dams and irrigation	273	94	367	92	106	198	94	109	203
Electric power construction	943	305	1,248	975	368	1,343	3,559	348	3,907
Railway, telephone and telegraph	689	178	867	752	205	957	1,169	227	1,396
Gas and oil facilities	207	1	208	81	—	81	91	—	91
Other engineering construction	748	495	1,243	1,128	5,522	6,650	1,216	6,490	7,706

¹ Actual 1964, preliminary 1965, intentions 1966.

TABLE 20. Nova Scotia^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	160,366	55,413	215,779	198,869	56,589	255,458	225,462	60,448	285,910
Total building construction	103,226	29,561	132,787	120,175	28,642	148,817	142,595	29,868	172,463
Residential	47,000	13,300	60,300	50,900	14,300	65,200	52,700	15,100	67,800
Industrial	14,502	3,507	18,009	16,676	4,397	21,073	24,110	4,812	28,922
2. Factories, plants, workshops, food canneries	13,553	2,913	16,466	16,320	3,801	20,121	23,254	3,895	27,149
3. Mine and mine mill buildings	440	53	493	48	61	109	562	341	903
4. Railway stations, offices, roadway buildings	361	377	738	207	357	564	193	386	579
5. Railway shops, engine houses, water and fuel stations	148	164	312	101	178	279	101	190	291
Commercial	19,311	4,972	24,283	18,673	3,657	22,330	20,620	3,612	24,232
6. Warehouses, storehouses, refrigerated storage, etc.	1,281	529	1,810	1,993	627	2,620	1,554	655	2,209
7. Grain elevators	1	1	2	51	102	153	902	110	1,012
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	3,860	398	4,258	2,210	331	2,541	661	218	879
9. Office buildings	4,956	2,335	7,291	9,521	1,178	10,699	10,072	1,180	11,252
10. Stores, retail and wholesale	5,894	976	6,870	3,585	837	4,422	4,313	817	5,130
11. Garages and service stations	675	418	1,093	948	414	1,362	2,425	463	2,888
12. Theatres, arenas, amusement and recreational buildings	2,597	265	2,862	365	158	523	693	155	848
13. Laundries and dry cleaning establishments	47	50	97	—	10	10	—	14	14
Institutional	16,991	2,707	19,698	27,463	2,652	30,115	37,862	2,667	40,529
14. Schools and other educational buildings	7,957	1,438	9,395	13,783	1,403	15,186	25,694	1,291	26,985
15. Churches and other religious buildings	1,962	371	2,333	2,093	276	2,369	1,130	482	1,612
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	6,920	800	7,720	11,407	852	12,259	10,495	793	11,288
17. Other institutional buildings	152	98	250	180	121	301	543	101	644
Other building construction	5,422	5,075	10,497	6,463	3,636	10,099	7,303	3,677	10,980
18. Farm buildings (excluding dwellings)	1,825	1,067	2,892	1,995	1,169	3,164	2,043	1,196	3,239
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	2,265	164	2,429	1,985	33	2,018	2,267	30	2,297
20. Aeroplane hangars	122	609	731	136	377	513	158	386	544
21. Passenger terminals, bus, boat or air	195	34	229	194	22	216	225	29	254
22. Armouries, barracks, drill halls, etc.	679	2,357	3,036	756	1,459	2,215	880	1,493	2,373
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	73	39	112	1,085	46	1,131	1,388	48	1,436
24. Other building construction	263	805	1,068	312	530	842	342	495	837
Total engineering construction	57,140	25,852	82,992	78,694	27,947	106,641	82,867	30,580	113,447
Marine construction	6,801	1,730	8,531	4,904	990	5,894	10,465	979	11,444
25. Docks, wharves, piers, breakwaters	6,221	1,517	7,738	4,290	863	5,153	9,690	847	10,537
26. Retaining walls, embankments, ripraping	35	21	56	39	12	51	105	13	118
27. Canals and waterways	—	—	—	—	—	—	—	—	—
28. Dredging and pile driving	180	108	288	200	63	263	233	65	298
29. Dyke construction	223	64	287	217	40	257	253	41	294
30. Logging booms	—	—	—	—	—	—	—	—	—
31. Other marine construction	142	20	162	158	12	170	184	13	197

See footnotes at end of table.

TABLE 20. Nova Scotia^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	19,972	10,299	30,271	31,315	13,119	44,434	34,179	15,479	49,638
32. Hard surfaced or paved streets, highways, parking lots, etc....	17,987	9,090	27,077	28,597	12,284	40,881	32,301	14,573	46,874
33. Gravel or stone streets, highways, roads, parking lots, etc.	219	195	414	213	155	368	206	159	365
34. Dirt, clay or other streets, roads, parking lots, etc.	442	278	720	455	206	661	519	212	731
35. Grading, scraping, oiling, filling	—	21	21	—	13	13	—	13	13
36. Sidewalks, paths	731	73	804	1,389	64	1,453	386	116	502
37. Aerodromes, landing fields, runways, tarmac	593	642	1,235	661	397	1,058	767	406	1,173
Waterworks and sewage systems	4,510	1,445	5,955	6,576	1,532	8,108	6,121	1,116	7,237
38. Tile drains, drainage ditches, storm sewers	197	170	367	224	160	384	222	164	386
39. Water mains, hydrants and services	1,758	703	2,461	2,375	584	2,959	3,902	568	4,470
40. Sewage systems and connections	2,428	528	2,956	3,296	727	4,023	1,876	329	2,205
41. Pumping stations, water	9	25	34	535	32	567	90	27	117
42. Water storage tanks	118	19	137	146	29	175	31	28	59
Dams and irrigation	1,001	215	1,216	1,226	210	1,436	1,294	637	1,931
43. Dams and reservoirs	773	86	859	974	67	1,041	1,035	491	1,526
44. Irrigation and land reclamation projects	228	129	357	252	143	395	259	146	405
Electric power construction	8,611	1,967	10,578	20,652	3,360	24,012	12,387	2,989	15,376
45. Electric power generating plants, including water conveying and controlling structures	3,497	349	3,846	6,475	872	7,347	7,225	499	7,724
46. Electric transformer stations	246	292	538	1,396	318	1,714	452	279	731
47. Power transmission and distribution lines, trolley wires	4,653	1,252	5,905	11,981	2,005	13,986	4,337	2,075	6,412
48. Street lighting	215	74	289	800	165	965	373	136	509
Railway, telephone and telegraph	7,953	4,708	12,661	5,799	4,272	10,071	7,582	4,666	12,248
49. Railway tracks and roadbed	3,025	3,118	6,143	1,756	3,008	4,764	1,717	3,236	4,953
50. Signals and interlockers	212	215	427	151	244	395	154	258	412
51. Telegraph and telephone lines, underground and marine cables	4,716	1,375	6,091	3,892	1,020	4,912	5,711	1,172	6,883
Gas and oil facilities	324	94	418	899	52	951	519	49	568
52. Gas mains and services	—	61	61	—	38	38	—	39	39
53. Pumping stations, oil	—	—	—	—	—	—	—	—	—
54. Pumping stations, gas	—	—	—	—	—	—	—	—	—
55. Oil storage tanks	324	33	357	899	7	906	519	6	525
56. Gas storage tanks	—	—	—	—	—	—	—	—	—
57. Oil pipe lines	—	—	—	—	3	3	—	3	3
58. Gas pipe lines	—	—	—	—	4	4	—	1	1
59. Oil wells	—	—	—	—	—	—	—	—	—
60. Gas wells	—	—	—	—	—	—	—	—	—
61. Oil refinery — Processing units ³	—	—	—	—	—	—	—	—	—
62. Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other engineering construction	7,968	5,394	13,362	7,323	4,412	11,735	10,320	4,665	14,985
63. Bridges, trestles, culverts, overpasses, viaducts	3,843	1,597	5,440	3,664	1,537	5,201	4,153	1,746	5,899
64. Tunnels and subways	—	22	22	—	14	14	—	14	14
65. Incinerators	13	—	13	9	—	9	10	—	10
66. Park systems, landscaping, sodding, etc.	257	252	509	461	156	617	562	162	724
67. Swimming pools, tennis courts, outdoor recreation facilities	3	75	78	3	46	49	14	47	61
68. Mine shafts and other below surface workings	1,069	466	1,535	241	216	457	500	228	728
69. Fences, snowsheds, signs, guard rails	379	301	680	369	278	647	365	286	651
70. Other engineering construction	2,404	2,681	5,085	2,576	2,165	4,741	4,716	2,182	6,898

¹ Actual 1964, preliminary 1965, intentions 1966.² See footnote 2, Table 3.³ Included in "Other engineering construction".

TABLE 21. New Brunswick^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	162,432	43,291	205,723	217,858	46,481	264,339	222,964	48,928	271,892
Total building construction	93,583	21,926	115,509	122,527	23,190	145,717	113,090	24,419	137,509
Residential	33,500	9,800	43,300	41,600	10,500	52,100	43,000	11,100	54,100
Industrial	25,569	2,988	28,557	34,272	2,814	37,086	21,961	2,866	24,827
2. Factories, plants, workshops, food canneries	21,253	2,053	23,306	29,046	1,917	30,963	17,502	1,930	19,432
3. Mine and mine mill buildings	3,605	17	3,622	4,429	8	4,437	4,068	8	4,076
4. Railway stations, offices, roadway buildings	505	614	1,119	500	591	1,091	260	618	878
5. Railway shops, engine houses, water and fuel stations	206	304	510	297	298	595	131	310	441
Commercial	15,763	3,875	19,638	22,329	4,180	26,509	18,366	4,137	22,503
6. Warehouses, storehouses, refrigerated storage, etc.	2,957	462	3,419	4,363	424	4,787	3,374	508	3,882
7. Grain elevators	2	39	41	11	13	24	2	14	16
8. Hotels, clubs, restaurants, cafeterias, tourists cabins	966	310	1,276	1,919	272	2,191	887	271	1,158
9. Office buildings	6,822	1,660	8,482	8,609	1,899	10,508	7,398	1,723	9,121
10. Stores, retail and wholesale	3,793	802	4,595	5,050	1,002	6,052	4,416	764	5,180
11. Garages and service stations	815	462	1,277	967	423	1,390	784	411	1,195
12. Theatres, arenas, amusement and recreational buildings	408	84	492	1,370	99	1,469	1,384	285	1,669
13. Laundries and dry cleaning establishments	-	56	56	40	48	88	121	161	282
Institutional	13,656	1,740	15,396	14,715	1,954	16,669	20,053	2,479	22,532
14. Schools and other educational buildings	8,975	592	9,567	10,634	858	11,492	17,741	1,417	19,158
15. Churches and other religious buildings	1,844	272	2,116	1,974	253	2,227	181	176	357
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	2,307	716	3,023	1,856	680	2,536	1,510	732	2,242
17. Other institutional buildings	530	160	690	251	163	414	621	154	775
Other building construction	5,095	3,523	8,618	9,611	3,742	13,353	9,710	3,837	13,547
18. Farm buildings (excluding dwellings)	1,622	1,094	2,716	2,041	1,387	3,408	2,174	1,408	3,582
19. Broadcasting, radio and television, relay and booster stations, telephone exchange	989	201	1,190	1,890	258	2,148	3,098	221	3,319
20. Aeroplane hangars	18	105	123	35	107	142	34	110	144
21. Passenger terminals, bus, boat or air	894	17	911	1,706	4	1,710	1,680	4	1,684
22. Armouries, barracks, drill halls, etc.	69	1,591	1,660	134	1,627	1,761	132	1,661	1,793
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	684	460	1,144	1,871	309	2,180	504	358	862
24. Other building construction	819	55	874	1,934	70	2,004	2,088	75	2,163
Total engineering construction	68,849	21,365	90,214	95,331	23,291	118,622	109,874	24,509	134,383
Marine construction	3,496	864	4,360	7,848	813	8,661	6,403	815	7,218
25. Docks, wharves, piers, breakwaters	2,972	500	3,472	6,701	402	7,103	5,321	406	5,727
26. Retaining walls, embankments, ripraping	94	1	95	183	1	184	180	11	191
27. Canals and waterways	-	-	-	-	-	-	-	-	-
28. Dredging and pile driving	145	297	442	410	326	736	357	316	675
29. Dyke construction	180	29	209	350	30	380	344	30	374
30. Logging booms	-	30	30	-	47	47	-	43	43
31. Other marine construction	105	7	112	204	7	211	201	7	208

See footnotes at end of table.

TABLE 21. New Brunswick^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	27,265	7,701	34,966	34,714	10,651	45,365	32,259	10,844	43,103
32. Hard surfaced or paved streets, highways, parking lots, etc.	9,639	895	10,534	21,380	6,759	28,139	20,211	6,853	27,064
33. Gravel or stone streets, highways, roads, parking lots, etc.	13,661	185	13,846	11,244	3,131	14,375	9,963	3,184	13,147
34. Dirt, clay or other streets, roads, parking lots, etc.	3,042	6,421	9,463	353	571	924	373	632	1,005
35. Grading, scraping, oiling, filling	3	23	26	30	21	51	11	22	33
36. Sidewalks, paths	176	127	303	262	118	380	277	101	378
37. Aerodromes, landings fields, runways, tarmac	744	50	794	1,445	51	1,496	1,424	52	1,476
Waterworks and sewage systems	5,057	1,375	6,432	5,790	660	6,450	3,441	653	4,094
38. Tile drains, drainage ditches, storm sewers	184	138	322	216	164	380	222	169	391
39. Water mains, hydrants and services	3,406	1,087	4,493	1,033	362	1,395	710	363	1,073
40. Sewage systems and connections	1,285	125	1,410	1,405	90	1,495	971	87	1,058
41. Pumping stations, water	138	8	146	3	22	25	4	11	15
42. Water storage tanks	44	17	61	3,133	22	3,155	1,534	23	1,557
Dams and irrigation	1,428	168	1,596	15,460	223	15,683	6,118	196	6,314
43. Dams and reservoirs	1,228	28	1,256	6,607	49	6,656	5,858	17	5,875
44. Irrigation and land reclamation projects	200	140	340	8,853	174	9,027	260	179	439
Electric power construction	17,077	1,633	18,710	10,425	1,511	11,936	40,841	2,248	43,089
45. Electric power generating plants, including water conveying and controlling structures	7,469	723	8,192	1,673	641	2,314	26,695	756	27,451
46. Electrical transformer stations	982	141	1,123	8,434	30	8,464	3,861	30	3,891
47. Power transmission and distribution lines, trolley wires	8,343	731	9,074	251	788	1,039	10,070	1,399	11,469
48. Street lighting	283	38	321	67	52	119	215	63	278
Railway, telephone and telegraph	8,072	6,318	14,390	9,257	6,347	15,604	8,518	6,689	15,207
49. Railway tracks and roadbed	4,375	4,846	9,221	4,711	4,736	9,447	2,736	4,918	7,654
50. Signals and interlockers	296	407	703	491	424	915	201	443	644
51. Telegraph and telephone lines, underground and marine cables	3,401	1,065	4,466	4,055	1,187	5,242	5,581	1,328	6,909
Gas and oil facilities	211	34	245	153	18	171	130	20	150
52. Gas mains and services	1	9	10	5	10	15	5	10	15
53. Pumping stations, oil	—	—	—	—	—	—	—	—	—
54. Pumping stations, gas	—	—	—	—	—	—	—	—	—
55. Oil storage tanks	177	25	202	95	—	95	113	—	113
56. Gas storage tanks	—	—	—	—	—	—	—	—	—
57. Oil pipe lines	12	—	12	16	—	16	12	—	12
58. Gas pipe lines	—	—	—	—	—	—	—	—	—
59. Oil wells	5	—	5	17	—	17	—	—	—
60. Gas wells	16	—	16	—	—	—	—	—	—
61. Oil refinery — Processing units ³	—	—	—	20	8	28	—	10	10
62. Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other engineering construction	6,243	3,272	9,515	11,684	3,068	14,752	12,164	3,044	15,208
63. Bridges, trestles, culverts, overpasses, viaducts	4,449	1,667	6,116	8,971	1,672	10,643	8,598	1,748	10,346
64. Tunnels and subways	—	4	4	—	4	4	—	4	4
65. Incinerators	1	2	3	2	2	4	2	2	4
66. Park systems, landscaping, sodding, etc.	126	236	362	146	241	387	318	245	563
67. Swimming pools, tennis court, outdoor recreation facilities	222	22	244	448	24	472	517	23	540
68. Mine shafts and other below surface workings	901	1	902	1,103	1	1,104	1,933	24	1,957
69. Fences, snowsheds, signs, guard rails	401	605	1,006	535	332	867	541	347	888
70. Other engineering construction	143	735	878	479	792	1,271	255	651	906

¹ Actual 1964, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

³ Included in "Other engineering construction".

TABLE 22. Quebec^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	1,986,431	379,514	2,365,945	2,280,486	404,196	2,684,682	2,422,974	427,248	2,850,222
Total building construction	1,152,116	259,210	1,411,326	1,311,616	274,242	1,585,858	1,417,638	290,811	1,708,449
Residential	548,900	156,400	705,300	565,100	167,800	732,900	591,600	177,900	769,500
Industrial	103,140	38,505	141,645	126,523	36,243	162,766	145,950	37,465	183,415
2. Factories, plants, workshops, food canneries	98,270	34,516	132,786	120,036	30,773	150,809	137,857	32,437	170,294
3. Mine and mine mill buildings ³	—	—	—	3,177	2,151	5,328	4,739	1,655	6,394
4. Railway stations, offices, roadway buildings	1,846	2,437	4,283	1,562	2,079	3,641	995	2,128	3,123
5. Railway shops, engine houses, water and fuel stations	3,024	1,552	4,576	1,748	1,240	2,988	2,359	1,245	3,604
Commercial	207,887	29,891	237,778	275,673	38,119	313,792	330,281	38,524	368,805
6. Warehouses, storehouses, refrigerated storage, etc.	18,472	2,599	21,071	21,065	5,069	26,134	27,148	5,202	32,350
7. Grain elevators	2,677	976	3,653	769	1,371	2,140	2,456	1,474	3,930
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	19,593	3,483	23,076	31,451	3,618	35,069	38,789	3,911	42,700
9. Office buildings	96,335	10,969	107,304	106,920	16,344	123,264	118,250	16,556	134,806
10. Stores, retail and wholesale	50,456	7,299	57,755	78,148	8,039	86,187	72,580	7,756	80,336
11. Garages and service stations	8,485	2,361	10,846	9,896	1,999	11,895	9,336	1,933	11,269
12. Theatres, arenas, amusement and recreational buildings	11,111	1,817	12,928	27,288	1,319	28,607	61,649	1,369	63,018
13. Laundries and dry cleaning establishments	758	387	1,145	136	360	496	73	323	396
Institutional	205,807	18,236	244,043	284,667	17,801	302,468	266,254	21,394	287,648
14. Schools and other educational buildings	136,154	6,765	142,919	200,857	8,148	209,005	181,986	9,470	191,456
15. Churches and other religious buildings	10,204	3,161	13,365	7,844	2,609	10,453	5,902	2,985	8,887
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	43,058	5,867	48,925	50,921	6,026	56,947	50,151	8,038	58,189
17. Other institutional buildings	16,391	2,443	18,834	25,045	1,018	26,063	28,215	901	29,116
Other building construction	86,382	16,178	102,560	59,653	14,279	73,932	83,553	15,528	99,081
18. Farm buildings (excluding dwellings)	24,573	7,816	32,389	26,547	8,449	34,996	27,446	8,697	36,143
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	6,193	800	6,993	12,552	415	12,967	15,917	460	16,377
20. Aeroplane hangars	59	360	419	84	346	430	95	390	485
21. Passenger terminals, bus, boat or air	107	651	758	3,011	303	3,314	21,050	906	21,956
22. Armouries, barracks, drill halls, etc.	337	2,784	3,121	479	2,642	3,121	543	2,981	3,524
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	5,362	1,411	6,773	6,672	1,081	7,953	8,938	1,039	9,975
24. Other building construction	49,751	2,356	52,107	10,108	1,043	11,151	9,566	1,055	10,621
Total engineering construction	834,315	120,304	954,619	968,870	129,954	1,098,824	1,005,336	136,437	1,141,773
Marine construction	8,167	3,760	11,927	14,043	4,607	18,850	17,795	5,184	22,979
25. Docks, wharves, piers, breakwaters	6,679	1,572	8,251	11,979	2,558	14,537	14,799	2,877	17,676
26. Retaining walls, embankments, ripraping	1,020	821	1,841	620	826	1,446	848	940	1,788
27. Canals and waterways	138	489	627	75	423	498	88	388	476
28. Dredging and pile driving	136	689	805	412	770	1,182	419	671	1,090
29. Dyke construction	—	5	5	1	1	2	—	1	1
30. Logging booms	70	160	230	375	193	568	94	277	371
31. Other marine construction	124	44	168	581	36	617	1,547	30	1,577

See footnotes at end of table.

TABLE 22. Quebec ^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	257,366	35,689	293,055	310,010	50,911	360,921	337,783	54,986	392,769
32. Hard surfaced or paved streets, highways, parking lots, etc.	209,810	11,485	221,295	282,369	44,783	327,152	308,226	47,913	356,139
33. Gravel or stone streets, highways, roads, parking lots, etc.	27,935	16,791	44,726	10,693	2,648	13,341	11,457	2,758	14,215
34. Dirt, clay or other streets, roads, parking lots, etc.	7,556	2,925	10,481	5,337	2,398	7,735	5,465	3,175	8,640
35. Grading, scraping, oiling, filling	4,497	2,929	7,426	1,856	33	1,889	2,091	9	2,100
36. Sidewalks, paths	4,697	845	5,542	6,196	468	6,664	6,514	479	6,993
37. Aerodromes, landing fields, runways, tarmac	2,871	714	3,585	3,559	581	4,140	4,030	652	4,682
Waterworks and sewage systems	39,029	10,535	49,564	60,183	10,825	70,988	63,207	9,669	72,876
38. Tile drains, drainage ditches, storm sewers	3,559	941	4,500	3,614	973	4,587	3,845	1,013	4,858
39. Water mains, hydrants and services	20,051	7,308	27,359	30,387	6,117	36,504	33,567	7,074	40,641
40. Sewage systems and connections	12,640	1,299	13,939	17,361	732	18,093	19,488	783	20,271
41. Pumping stations, water	1,953	855	2,808	7,772	650	8,422	5,208	657	5,865
42. Water storage tanks	826	132	958	1,029	2,353	3,382	1,099	142	1,241
Dams and irrigation	75,924	1,237	77,161	46,769	1,374	48,143	59,906	1,372	61,278
43. Dams and reservoirs	72,762	282	73,044	43,310	352	43,662	56,305	314	56,619
44. Irrigation and land reclamation projects	3,162	955	4,117	3,459	1,022	4,481	3,601	1,058	4,659
Electric power construction	250,489	10,657	261,146	282,839	9,268	292,107	266,361	9,188	275,549
45. Electric power generating plants, including water conveying and controlling structures	88,926	3,405	92,331	129,851	3,513	133,364	144,664	3,675	148,339
46. Electric transformer stations	48,108	880	48,988	71,272	1,167	72,439	42,331	1,160	43,491
47. Power transmission and distribution lines, trolley wires	108,997	3,730	112,727	78,230	3,545	81,775	72,934	3,262	76,196
48. Street lighting	4,458	2,642	7,100	3,486	1,043	4,529	6,432	1,091	7,523
Railway, telephone and telegraph	58,191	31,915	90,106	55,169	32,926	88,095	52,674	33,670	86,344
49. Railway tracks and roadbed	17,804	18,420	36,224	15,668	19,863	35,531	18,780	19,853	33,633
50. Signals and interlockers	2,207	1,859	4,066	1,841	1,833	3,674	1,003	1,835	2,838
51. Telegraph and telephone lines, underground and marine cables	38,180	11,636	49,816	37,660	11,230	48,890	37,891	11,982	49,673
Gas and oil facilities	17,525	11,799	29,324	27,759	8,217	35,976	17,911	9,802	27,713
52. Gas mains and services	6,468	1,081	7,549	5,496	1,150	6,646	6,764	892	7,656
53. Pumping stations, oil	63	39	102	50	39	89	115	50	165
54. Pumping stations, gas	188	—	188	62	—	62	3	—	3
55. Oil storage tanks	3,831	639	4,470	1,786	681	2,467	2,513	802	3,315
56. Gas storage tanks	111	30	141	9	68	77	25	56	81
57. Oil pipe lines	207	82	289	7,436	188	7,624	2,773	117	2,890
58. Gas pipe lines	90	34	124	2,000	30	2,030	1,965	27	1,992
59. Oil wells	8	—	8	190	—	190	220	—	220
60. Gas wells	8	—	8	—	—	—	—	—	—
61. Oil refinery — Processing units ⁴	6,551	9,894	16,445	10,730	6,061	16,791	3,533	7,858	11,391
62. Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other engineering construction	127,624	14,712	142,336	172,118	11,626	183,744	189,699	12,566	202,265
63. Bridges, trestles, culverts, overpasses, viaducts	48,124	6,493	54,617	65,239	6,160	71,399	81,022	6,202	87,224
64. Tunnels and subways	30,758	5	30,763	41,394	10	41,404	23,241	32	23,273
65. Incinerators	65	9	74	11	8	19	13	10	23
66. Park systems, landscaping, sodding, etc.	1,563	527	2,090	2,344	329	2,673	9,465	348	9,813
67. Swimming pools, tennis courts, outdoor recreation facilities	228	35	263	44	19	63	22	13	35
68. Mine shafts and other below surface workings	7,946	579	8,525	8,876	480	9,156	10,250	1,082	11,332
69. Fences, snowsheds, signs, guard rails	7,560	2,050	9,610	4,960	1,747	6,707	5,613	1,828	7,441
70. Other engineering construction	31,380	5,014	36,394	49,450	2,873	52,323	60,073	3,051	63,124

¹ Actual 1964, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

³ Included in "Other building construction" for 1964.

⁴ Item 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals.

TABLE 23. Ontario^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	2,248,390	576,742	2,825,132	2,566,579	610,497	3,177,076	3,000,849	642,460	3,643,309
Total building construction	1,551,801	380,885	1,932,686	1,782,858	405,431	2,188,289	2,062,107	427,861	2,489,968
Residential	774,300	220,400	994,700	802,600	236,500	1,039,100	831,400	250,700	1,082,100
Industrial	198,970	67,411	266,381	261,975	69,188	331,163	365,459	72,244	437,703
2. Factories, plants, workshops, food canneries	186,611	53,449	240,060	238,656	54,644	293,300	305,555	56,702	362,257
3. Mine and mine mill buildings	6,166	7,786	13,952	19,000	8,222	27,222	56,147	8,951	65,098
4. Railway stations, offices, roadway buildings	4,357	4,316	8,673	2,699	4,205	6,904	2,551	4,390	6,941
5. Railway shops, engine houses, water and fuel stations	1,836	1,860	3,696	1,620	2,117	3,737	1,206	2,201	3,407
Commercial	273,189	44,451	317,640	323,149	45,989	369,138	375,747	46,489	422,236
6. Warehouses, storehouses, refrigerated storage, etc.	19,675	3,524	23,199	17,473	4,055	21,528	29,387	4,377	33,764
7. Grain elevators	422	953	1,375	709	935	1,644	2,295	640	2,935
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	13,229	3,988	17,217	18,224	3,987	22,211	24,170	3,991	28,161
9. Office buildings	143,388	16,650	160,038	175,124	17,991	193,115	192,358	18,222	210,580
10. Stores, retail and wholesale	62,975	11,928	74,903	60,390	11,949	72,339	79,341	12,296	91,637
11. Garages and service stations	12,736	5,170	17,906	16,818	4,456	21,274	24,391	4,427	28,818
12. Theatres, arenas, amusement and recreational buildings	20,097	1,856	21,953	33,131	2,138	35,269	23,528	2,124	25,652
13. Laundries and dry cleaning establishments	667	382	1,049	1,280	478	1,758	277	412	689
Institutional	243,006	21,046	264,052	327,989	23,839	351,828	413,105	26,030	439,135
14. Schools and other educational buildings	155,383	7,917	163,300	236,865	12,507	249,372	294,456	14,756	309,212
15. Churches and other religious buildings	13,752	3,332	17,084	15,145	2,156	17,301	12,915	1,731	14,646
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	58,041	7,870	65,911	57,969	8,253	66,222	80,169	8,540	88,709
17. Other institutional buildings	15,830	1,927	17,757	18,010	923	18,933	25,565	1,003	26,568
Other building construction	62,336	27,577	89,913	67,145	29,915	97,060	76,396	32,398	108,794
18. Farm buildings (excluding dwellings)	36,530	19,357	55,887	38,223	20,565	58,788	39,500	21,198	60,698
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	11,937	416	12,353	9,193	460	9,653	9,176	507	9,683
20. Aeroplane hangars	84	890	974	105	969	1,074	117	1,076	1,193
21. Passenger terminals, bus, boat or air	2,331	77	2,408	2,543	52	2,595	2,863	73	2,936
22. Armouries, barracks, drill halls, etc.	1,865	3,997	5,862	2,335	4,530	6,865	2,462	4,875	7,337
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	837	439	1,276	5,138	419	5,557	8,857	447	9,304
24. Other building construction	8,752	2,401	11,153	9,608	2,920	12,528	13,421	4,222	17,643
Total engineering construction	696,589	195,837	892,446	783,721	203,066	988,787	938,742	214,599	1,153,341
Marine construction	14,332	3,399	17,731	25,207	4,067	29,274	38,641	5,228	43,869
25. Docks, wharves, piers, breakwaters	6,901	1,638	8,539	14,404	1,396	15,800	15,661	1,262	16,923
26. Retaining walls, embankments, ripraping	4,145	45	4,190	3,799	965	4,764	3,968	102	4,070
27. Canals and waterways	2,750	907	3,657	6,252	849	7,101	18,036	2,974	21,010
28. Dredging and pile driving	419	199	618	525	165	690	628	106	734
29. Dyke construction	5	13	18	5	15	20	31	15	46
30. Logging booms	23	92	115	29	71	100	—	85	85
31. Other marine construction	89	505	594	193	606	799	317	684	1,001

See footnotes at end of table.

TABLE 23. Ontario^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	177,820	57,347	235,167	213,512	58,023	271,535	228,264	60,758	289,022
32. Hard surfaced or paved streets, highways, parking lots, etc....	138,320	45,637	183,957	164,593	44,338	208,931	175,755	45,433	221,188
33. Gravel or stone streets, highways, roads, parking lots, etc.	31,267	3,064	34,331	38,882	3,664	42,546	42,121	4,030	46,151
34. Dirt, clay or other streets, roads, parking lots, etc.	2,070	1,395	3,465	2,157	1,516	3,673	2,207	1,572	3,779
35. Grading, scraping, oiling, filling	175	4,267	4,442	420	5,249	5,669	300	5,926	6,226
36. Sidewalks, paths	4,308	2,256	6,564	5,331	2,426	7,757	5,663	2,903	8,566
37. Aerodromes, landing fields, runways, tarmac	1,680	728	2,408	2,129	830	2,959	2,218	894	3,112
Waterworks and sewage systems	93,721	18,328	112,049	102,729	17,651	120,380	152,130	19,046	171,176
38. Tile drains, drainage ditches, storm sewers	5,610	3,235	8,845	7,357	3,613	10,970	7,897	3,837	11,734
39. Water mains, hydrants and services	23,391	7,935	31,326	27,371	7,550	34,921	45,745	8,062	53,807
40. Sewage systems and connections	59,803	5,801	65,604	59,778	5,310	65,088	86,475	5,647	92,122
41. Pumping stations, water	4,281	1,009	5,290	7,198	830	8,028	10,431	1,134	11,565
42. Water storage tanks	636	348	984	1,025	348	1,373	1,582	366	1,948
Dams and irrigation	10,807	2,590	13,397	17,731	2,819	20,550	22,666	2,921	25,587
43. Dams and reservoirs	6,316	217	6,533	13,134	292	13,426	17,927	316	18,243
44. Irrigation and land reclamation projects	4,491	2,373	6,864	4,597	2,527	7,124	4,739	2,605	7,344
Electric power construction	87,937	29,133	117,070	130,395	33,787	164,182	134,668	34,540	169,208
45. Electric power generating plants, including water conveying and controlling structures	28,760	5,174	33,934	64,693	6,200	70,893	65,191	6,666	71,857
46. Electric transformer stations	7,676	2,349	10,025	7,489	2,794	10,283	9,669	2,825	12,494
47. Power transmission and distribution lines, trolley wires	46,974	17,991	64,965	53,221	21,464	74,685	53,875	21,624	75,499
48. Street lighting	4,527	3,619	8,146	4,992	3,329	8,321	5,933	3,425	9,358
Railway, telephone and telegraph	76,634	52,136	128,770	76,194	53,702	129,896	83,052	55,645	138,697
49. Railway tracks and roadbed	34,616	32,083	66,699	30,674	32,570	63,244	31,019	33,673	64,692
50. Signals and interlockers	2,681	3,246	5,927	2,447	3,208	5,655	1,952	3,176	5,128
51. Telegraph and telephone lines, underground and marine cables	39,337	16,807	56,144	43,073	17,924	60,997	50,081	18,796	68,877
Gas and oil facilities	75,264	16,411	91,675	52,948	16,473	69,421	90,512	16,307	106,819
52. Gas mains and services	25,761	2,197	27,958	24,391	2,054	26,445	32,848	2,048	34,896
53. Pumping stations, oil	189	240	429	608	314	922	155	307	462
54. Pumping stations, gas	27,812	429	28,241	1,550	319	1,869	230	291	521
55. Oil storage tanks	1,154	677	1,831	1,241	781	2,022	2,121	784	2,905
56. Gas storage tanks	71	22	93	231	34	265	112	39	151
57. Oil pipe lines	1,006	641	1,647	188	451	639	125	416	541
58. Gas pipe lines	10,706	431	11,137	5,685	262	5,947	8,708	269	8,977
59. Oil wells	657	265	922	1,011	234	1,245	1,131	262	1,393
60. Gas wells	813	290	1,103	1,621	379	2,000	1,616	378	1,994
61. Oil refinery — Processing units ³	7,095	11,219	18,314	16,422	11,609	28,031	43,466	11,478	54,944
62. Natural gas cleaning plants	—	—	—	—	36	36	—	35	35
Other engineering construction	160,074	16,513	176,587	165,005	18,544	183,549	188,809	20,154	208,963
63. Bridges, trestles, culverts, overpasses, viaducts	92,955	6,077	99,032	105,447	6,805	112,252	112,097	7,789	119,886
64. Tunnels and subways	42,512	40	42,552	32,708	46	32,754	30,975	94	31,069
65. Incinerators	8	6	14	9	1	10	40	1	41
66. Park systems, landscaping, sodding, etc.	1,560	1,936	3,496	4,071	2,120	6,191	4,286	2,347	6,633
67. Swimming pools, tennis courts, outdoor recreation facilities	759	181	940	1,627	694	2,321	1,987	766	2,753
68. Mine shafts and other below surface workings	8,117	909	9,026	6,779	1,003	7,782	18,361	1,040	19,401
69. Fences, snowsheds, signs, guard rails	7,080	5,544	12,624	7,204	5,866	13,070	7,498	6,227	13,725
70. Other engineering construction	7,083	1,820	8,903	7,160	2,009	9,169	13,565	1,890	15,455

¹ Actual 1964, preliminary 1965, intentions 1966.² See footnote 2, Table 3.³ Item 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals.

TABLE 24. Manitoba^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	331,998	89,135	421,133	356,553	91,146	447,699	377,517	94,187	471,704
Total building construction	182,133	51,358	233,491	193,551	52,636	246,187	224,187	54,354	278,541
Residential	89,600	25,400	115,000	87,200	27,200	114,400	90,300	28,800	119,100
Industrial	20,741	6,285	27,026	33,806	6,108	39,914	31,547	6,159	37,706
2. Factories, plants, workshops, food canneries	17,422	3,714	21,136	30,171	3,925	34,096	28,410	3,873	32,283
3. Mine and mine mill buildings	1,074	243	1,317	2,119	139	2,258	2,166	155	2,321
4. Railway stations, offices, roadway buildings	1,206	1,599	2,805	966	1,371	2,337	634	1,430	2,064
5. Railway shops, engine houses, water and fuel stations	1,039	729	1,768	550	673	1,223	337	701	1,038
Commercial	28,411	7,683	36,094	29,649	10,004	39,653	40,867	9,843	50,710
6. Warehouses, storehouses, refrigerated storage, etc.	2,896	570	3,466	3,366	1,411	4,777	9,105	1,473	10,578
7. Grain elevators	1,101	742	1,843	1,515	888	2,403	1,952	771	2,723
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	2,244	862	3,106	3,384	678	4,062	3,256	711	3,967
9. Office buildings	13,252	2,084	15,336	12,289	2,759	15,048	10,677	2,539	13,218
10. Stores, retail and wholesale	5,884	2,445	8,329	5,845	2,478	8,323	9,640	2,530	12,170
11. Garages and service stations	1,410	653	2,063	689	1,441	2,130	3,504	1,367	4,871
12. Theatres, arenas, amusement and recreational buildings	1,623	271	1,894	2,555	308	2,863	2,729	436	3,165
13. Laundries and dry cleaning establishments	1	56	57	6	41	47	4	16	20
Institutional	30,123	6,714	36,837	29,061	3,816	32,877	45,636	3,745	49,381
14. Schools and other educational buildings	19,447	4,817	24,264	15,854	2,196	18,050	19,278	1,799	21,077
15. Churches and other religious buildings	1,694	583	2,277	1,197	90	1,287	970	141	1,111
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	6,857	1,079	7,936	7,481	1,270	8,751	20,920	1,638	22,558
17. Other institutional buildings	2,125	235	2,360	4,529	260	4,789	4,468	167	4,635
Other building construction	13,258	5,276	18,534	13,835	5,508	19,343	15,837	5,807	21,844
18. Farm buildings (excluding dwellings)	10,344	3,269	13,613	10,947	3,379	14,326	11,142	3,422	14,564
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	1,434	274	1,708	805	313	918	1,362	333	1,695
20. Aeroplane hangars	195	525	720	243	584	827	277	612	889
21. Passenger terminals, bus, boat or air	512	26	538	753	—	753	832	—	832
22. Armouries, barracks, drill halls, etc.	148	901	1,049	218	1,004	1,222	240	1,044	1,284
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	420	152	572	129	96	225	291	115	406
24. Other building construction	205	129	334	940	132	1,072	1,893	281	1,974
Total engineering construction	149,865	37,777	187,642	163,002	38,510	201,512	153,330	39,833	193,163
Marine construction	706	447	1,153	927	568	1,495	813	649	1,462
25. Docks, wharves, piers, breakwaters	377	207	584	664	281	945	542	338	880
26. Retaining walls, embankments, ripraping	15	2	17	3	4	7	24	5	29
27. Canals and waterways	—	—	—	—	—	—	—	—	—
28. Dredging and pile driving	304	238	542	1	283	284	2	306	308
29. Dyke construction	—	—	—	—	—	—	—	—	—
30. Logging booms	—	—	—	16	—	16	—	—	—
31. Other marine construction	10	—	10	243	—	243	245	—	245

See footnotes at end of table.

TABLE 24. Manitoba^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road highway and aerodrome construction	39,360	7,888	47,248	47,383	7,321	54,704	47,832	7,680	55,512
32. Hard surfaced or paved streets, highways, parking lots, etc....	21,898	5,153	27,051	26,687	3,749	30,436	23,848	4,073	27,921
33. Gravel or stone streets, highways, roads, parking lots, etc.	5,563	1,211	8,774	6,902	1,273	8,175	8,082	1,531	9,613
34. Dirt, clay or other streets, roads, parking lots, etc.	258	118	376	219	592	811	225	95	320
35. Grading, scraping, oiling, filling	9,728	1,106	10,834	11,020	1,200	12,220	12,977	1,469	14,446
38. Sidewalks, paths	659	173	832	705	367	1,072	683	365	1,028
37. Aerodromes, landing fields, runways, tarmac	1,254	127	1,381	1,850	140	1,990	2,037	147	2,184
Waterworks and sewage systems	25,444	2,550	27,994	25,641	3,236	28,877	21,691	3,003	24,694
38. Tile drains, drainage ditches, storm sewers	1,374	434	1,808	2,518	1,109	3,627	3,856	836	4,692
39. Water mains, hydrants and services	3,367	1,531	4,898	4,891	1,538	6,429	3,408	1,559	4,967
40. Sewage systems and connections	19,875	455	20,330	17,875	468	18,343	10,591	465	11,056
41. Pumping stations, water	353	78	431	131	65	196	3,488	80	3,568
42. Water storage tanks	475	52	527	226	56	282	348	63	411
Dams and irrigation	2,470	481	2,951	3,484	538	4,022	3,279	534	3,813
43. Dams and reservoirs	1,242	80	1,322	2,215	123	2,338	1,973	114	2,087
44. Irrigation and land reclamation projects	1,228	401	1,629	1,269	415	1,684	1,306	420	1,726
Electric power construction	29,896	1,831	31,727	21,490	1,980	23,470	20,012	1,958	21,970
45. Electric power generating plants, including water conveying and controlling structures	10,814	433	11,247	5,794	277	6,071	588	266	854
46. Electric transformer stations	1,734	69	1,803	1,273	59	1,332	1,064	74	1,138
47. Power transmission and distribution lines, trolley wires	15,919	817	16,736	12,440	1,127	13,567	16,676	1,046	17,722
48. Street lighting	1,429	512	1,941	1,983	517	2,500	1,684	572	2,256
Railway, telephone and telegraph	19,534	16,597	36,131	17,325	16,238	33,563	15,087	17,066	32,153
49. Railway tracks and roadbed	10,545	11,512	22,057	8,530	10,621	19,151	5,472	11,108	16,580
50. Signals and interlockers	1,297	773	2,070	888	955	1,843	529	996	1,525
51. Telegraph and telephone lines, underground and marine cables	7,692	4,312	12,004	7,907	4,662	12,569	9,086	4,962	14,048
Gas and oil facilities	7,706	1,402	9,108	7,347	932	8,279	5,772	964	6,736
52. Gas mains and services	4,022	555	4,577	4,885	20	4,905	4,057	20	4,077
53. Pumping stations, oil	1,108	281	1,389	779	288	1,067	270	272	542
54. Pumping stations, gas	236	41	277	32	31	63	112	31	143
55. Oil storage tanks	494	104	598	436	183	819	317	202	519
56. Gas storage tanks	76	—	76	359	—	359	195	—	195
57. Oil pipe lines ³	—	—	—	—	—	—	—	—	—
58. Gas pipe lines ³	—	—	—	—	—	—	—	—	—
59. Oil wells	1,770	421	2,191	856	410	1,266	821	439	1,260
60. Gas wells	—	—	—	—	—	—	—	—	—
61. Oil refinery — Processing units ³	—	—	—	—	—	—	—	—	—
62. Natural gas cleaning plants	—	—	—	—	—	—	—	—	—
Other engineering construction	24,749	6,581	31,330	39,405	7,697	47,102	38,844	7,979	46,823
63. Bridges, trestles, culverts, overpasses, viaducts	4,591	1,864	8,455	5,882	2,179	8,061	8,299	2,251	10,550
64. Tunnels and subways	28	—	28	—	—	—	—	—	—
65. Incinerators	—	4	4	—	4	4	—	5	5
66. Park systems, landscaping, sodding, etc.	305	235	540	175	609	784	174	254	428
67. Swimming pools, tennis courts, outdoor recreation facilities	444	37	481	97	53	150	61	54	115
68. Mine shafts and other below surface workings	6,024	686	6,710	8,031	1,000	9,031	9,667	983	10,650
69. Fences, snowsheds, signs, guard rails	1,868	839	2,707	2,877	798	3,675	3,088	825	3,913
70. Other engineering construction	11,489	2,916	14,405	22,343	3,054	25,397	17,555	3,607	21,162

¹ Actual 1964, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

³ Included in "Other engineering construction".

TABLE 25. Saskatchewan ^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	381,247	95,653	476,900	479,026	95,355	574,381	522,888	98,898	621,786
Total building construction	192,161	47,057	239,218	228,942	49,433	278,375	254,526	51,349	305,875
Residential	88,400	24,800	113,200	105,700	26,600	132,300	109,500	28,200	137,700
Industrial	16,417	3,279	19,696	22,989	3,229	26,218	25,355	3,149	28,504
2. Factories, plants, workshops, food canneries	5,384	1,355	6,739	5,820	1,145	6,965	5,106	1,091	6,197
3. Mine and mine mill buildings	9,502	280	9,782	16,202	362	16,564	19,241	270	19,511
4. Railway stations, offices, roadway buildings	1,113	1,211	2,324	633	1,144	1,777	644	1,188	1,832
5. Railway shops, engine houses, water and fuel stations	418	433	851	334	578	912	364	600	964
Commercial	30,097	6,164	36,261	35,343	6,589	41,932	48,448	6,490	54,938
6. Warehouses, storehouses, refrigerated storage, etc.	1,587	375	1,962	2,923	366	3,289	5,663	403	6,066
7. Grain elevators	4,586	2,321	6,907	5,620	2,560	8,180	5,436	2,314	7,750
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	1,966	495	2,461	5,946	650	6,596	2,349	482	2,831
9. Office buildings	10,851	1,136	11,787	6,249	1,119	7,368	8,001	1,165	9,166
10. Stores, retail and wholesale	7,028	1,265	8,293	7,789	1,214	9,003	16,725	1,336	18,061
11. Garages and service stations	1,494	375	1,869	1,820	436	2,256	4,334	468	4,802
12. Theatres, arenas, amusement and recreational buildings	2,780	173	2,953	4,996	209	5,205	5,940	279	6,219
13. Laundries and dry cleaning establishments	5	24	29	—	35	35	—	43	43
Institutional	35,778	4,358	40,136	42,025	4,025	46,050	47,892	4,387	52,279
14. Schools and other educational buildings	24,491	3,064	27,555	32,883	2,632	35,515	32,860	2,793	35,653
15. Churches and other religious buildings	2,895	231	3,126	2,533	121	2,654	2,010	222	2,232
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	4,499	898	5,397	2,651	1,059	3,710	9,611	1,083	10,694
17. Other institutional buildings	3,893	165	4,058	3,958	213	4,171	3,411	289	3,700
Other building construction	21,469	8,456	29,925	22,885	8,990	31,875	23,331	9,123	32,454
18. Farm buildings (excluding dwellings)	19,397	7,705	27,102	19,761	7,799	27,560	20,124	7,983	28,107
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	1,226	170	1,396	1,305	196	1,501	2,003	203	2,206
20. Aeroplane hangars	56	82	138	79	80	159	64	75	139
21. Passenger terminals, bus, boat or air	179	2	181	253	15	268	204	15	219
22. Armouries, barracks, drill halls, etc.	165	329	494	233	320	553	188	300	488
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	200	57	257	119	57	176	108	59	167
24. Other building construction	246	111	357	1,135	523	1,658	640	488	1,128
Total engineering construction	189,086	48,596	237,682	250,084	45,922	296,006	268,362	47,549	315,911
Marine construction	280	70	350	350	86	436	391	89	480
25. Docks, wharves, piers, breakwaters	245	63	308	343	81	424	385	84	469
26. Retaining walls, embankments, ripraping	4	1	5	6	1	7	5	1	6
27. Canals and waterways	—	2	2	—	2	2	—	2	2
28. Dredging and pile driving	30	—	30	—	—	—	—	—	—
29. Dyke construction	—	—	—	—	—	—	—	—	—
30. Logging booms	—	—	—	—	—	—	—	—	—
31. Other marine construction	1	4	5	1	2	3	1	2	3

See footnotes at end of table.

TABLE 25. Saskatchewan^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	32,397	12,864	45,261	51,809	11,056	62,865	50,538	11,558	62,096
32. Hard surfaced or paved streets, highways, parking lots, etc....	24,583	10,102	34,685	38,384	8,174	46,558	36,677	8,626	45,303
33. Gravel or stone streets, highways, roads, parking lots, etc....	4,891	2,474	7,365	10,456	2,526	12,982	11,190	2,295	13,485
34. Dirt, clay or other streets, roads, parking lots, etc....	209	92	301	628	153	781	709	362	1,071
35. Grading, scraping, oiling, filling	36	8	44	432	6	438	81	8	89
36. Sidewalks, paths	2,568	169	2,737	1,712	179	1,891	1,675	219	1,894
37. Aerodromes, landing fields, runways, tarmac	110	19	129	197	18	215	206	48	254
Waterworks and sewage systems	11,298	3,691	14,989	17,015	3,653	20,668	11,119	3,869	14,988
38. Tile drains, drainage ditches, storm sewers	2,060	842	2,902	2,848	856	3,704	2,413	869	3,282
39. Water mains, hydrants and services	4,027	1,813	5,840	5,583	1,942	7,525	3,863	2,037	5,900
40. Sewage systems and connections	4,343	675	5,018	7,498	699	8,197	4,363	785	5,148
41. Pumping stations, water	574	235	809	490	36	526	133	30	163
42. Water storage tanks	294	126	420	596	120	716	347	148	495
Dams and irrigation	24,410	2,318	26,728	34,911	2,270	37,181	29,912	2,214	32,126
43. Dams and reservoirs	21,979	1,225	23,204	30,992	1,170	32,162	24,972	1,100	26,072
44. Irrigation and land reclamation projects	2,431	1,093	3,524	3,919	1,100	5,019	4,940	1,114	6,054
Electric power construction	22,392	2,590	24,982	17,371	1,678	19,049	24,405	1,955	26,360
45. Electric power generating plants, including water conveying and controlling structures	3,204	636	3,840	1,793	239	2,032	6,940	512	7,452
46. Electric transformer stations	3,833	22	3,855	1,662	27	1,689	4,185	55	4,240
47. Power transmission and distribution lines, trolley wires	14,466	1,672	16,138	12,881	1,269	14,150	11,954	1,225	13,179
48. Street lighting	889	260	1,149	1,035	143	1,178	1,326	163	1,489
Railway, telephone and telegraph	15,397	13,169	28,566	12,937	12,033	24,970	11,997	12,483	24,480
49. Railway tracks and roadbed	9,414	10,647	20,061	6,007	9,187	15,194	5,869	9,546	15,415
50. Signals and interlockers	566	612	1,178	516	822	1,338	581	854	1,435
51. Telegraph and telephone lines, underground and marine cables	5,417	1,910	7,327	6,414	2,024	8,438	5,547	2,083	7,630
Gas and oil facilities	35,832	8,619	44,451	56,858	9,657	66,515	49,775	8,350	58,125
52. Gas mains and services	2,626	100	2,726	3,213	161	3,374	3,238	161	3,399
53. Pumping stations, oil	446	369	815	3,639	321	3,960	193	314	507
54. Pumping stations, gas	347	47	394	61	59	120	369	57	426
55. Oil storage tanks	640	208	848	433	201	634	215	245	460
56. Gas storage tanks	600	23	823	—	—	—	4	—	4
57. Oil pipe lines ³	—	—	—	—	—	—	—	—	—
58. Gas pipe lines ³	—	—	—	—	—	—	—	—	—
59. Oil wells	29,671	6,263	35,934	44,805	6,524	51,329	39,889	4,939	44,828
60. Gas wells	545	8	553	4,094	383	4,477	4,848	537	5,385
61. Oil refinery — Processing units ⁴	294	1,535	1,829	508	1,948	2,456	969	2,038	3,007
62. Natural gas cleaning plants	463	66	529	105	60	165	50	59	109
Other engineering construction	47,080	5,275	52,355	58,833	5,489	64,322	90,225	7,031	97,256
63. Bridges, trestles, culverts, overpasses, viaducts	3,264	793	4,057	7,017	895	7,912	10,424	984	11,408
64. Tunnels and subways	2	1	3	351	—	351	196	—	196
65. Incinerators	2	—	2	3	—	3	2	—	2
66. Park systems, landscaping, sodding, etc.	234	71	305	711	469	1,180	1,536	507	2,043
67. Swimming pools, tennis courts, outdoor recreation facilities	27	20	47	816	752	1,568	1,955	968	2,923
68. Mine shafts and other below surface workings	10,629	1,281	11,910	22,664	292	22,956	50,726	1,236	51,962
69. Fences, snowsheds, signs, guard rails	3,281	1,442	4,723	3,967	1,455	5,422	3,406	1,432	4,838
70. Other engineering construction	29,641	1,667	31,308	23,304	1,626	24,930	21,980	1,904	23,884

¹ Actual 1964, preliminary 1965, intentions 1966.² See footnote 2, Table 3.³ Included in "Other engineering construction".⁴ Items 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals.

TABLE 26. Alberta^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	753,183	166,688	919,871	879,539	164,101	1,043,640	1,001,497	175,441	1,176,938
Total building construction	357,313	85,587	442,900	381,961	94,064	476,025	440,957	101,647	542,604
Residential	166,900	47,300	214,200	164,500	50,800	215,300	170,400	53,800	224,200
Industrial	15,399	6,242	21,641	15,057	6,329	21,386	9,971	6,596	16,567
2. Factories, plants workshops, food canneries	14,015	4,524	18,539	13,517	4,388	17,905	7,896	4,545	12,441
3. Mine and mine mill buildings	44	35	79	22	22	44	948	66	1,014
4. Railway stations, offices, roadway buildings	884	1,213	2,097	980	1,288	2,268	789	1,332	2,121
5. Railway shops, engine houses, water and fuel stations	456	470	926	538	631	1,169	338	653	991
Commercial	61,116	14,480	75,596	65,732	18,140	83,872	72,753	19,974	92,727
6. Warehouses, storehouses, refrigerated storage, etc.....	2,431	1,123	3,554	8,811	954	9,765	8,822	1,843	10,665
7. Grain elevators	1,807	1,223	3,030	1,992	1,372	3,364	2,208	1,234	3,442
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	10,455	1,640	12,095	4,540	1,388	5,928	4,936	1,925	6,861
9. Office buildings	20,401	5,970	26,371	28,673	10,731	39,404	31,579	10,956	42,535
10. Stores, retail and wholesale	18,469	2,796	21,265	15,715	2,424	18,139	14,382	2,509	16,891
11. Garages and service stations	2,737	880	3,617	1,404	911	2,315	4,295	1,101	5,396
12. Theatres, arenas, amusement and recreational buildings	4,633	779	5,412	4,539	299	4,838	6,514	340	6,854
13. Laundries and dry cleaning establishments	183	69	252	58	61	119	17	66	83
Institutional	77,164	7,884	85,048	93,092	8,705	101,797	146,115	10,822	156,937
14. Schools and other educational buildings	46,460	4,244	50,704	56,770	4,499	61,269	112,393	5,615	118,008
15. Churches and other religious buildings	1,871	245	2,116	1,778	268	2,046	2,539	283	2,822
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	22,806	2,390	25,196	17,831	857	18,688	16,412	948	17,360
17. Other institutional buildings	6,027	1,005	7,032	16,713	3,081	19,794	14,771	3,976	18,747
Other building construction	36,734	9,681	46,415	43,580	10,090	53,670	41,718	10,455	52,173
18. Farm buildings (excluding dwellings)	28,171	7,497	35,668	28,281	7,475	35,756	28,864	7,621	36,485
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	5,873	459	6,332	4,096	406	4,502	3,630	510	4,140
20. Aeroplane hangars	21	229	250	28	235	263	35	249	284
21. Passenger terminals, bus, boat or air	156	33	189	202	30	232	310	47	357
22. Armouries, barracks, drill halls, etc.	425	1,003	1,428	562	832	1,394	700	893	1,593
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	925	200	1,125	868	216	1,084	1,740	225	1,965
24. Other building construction	1,163	260	1,423	9,543	896	10,439	6,439	910	7,349
Total engineering construction	395,870	81,101	476,971	497,578	70,037	567,615	560,540	73,794	634,334
Marine construction	366	412	778	594	357	951	2,337	377	2,714
25. Docks, wharves, piers, breakwaters	63	107	170	192	105	297	1,834	107	1,941
26. Retaining walls, embankments, ripraping	1	2	3	1	—	1	4	—	4
27. Canals and waterways	—	—	—	—	—	—	—	—	—
28. Dredging and pile driving	—	264	264	—	219	219	—	235	235
29. Dyke construction	—	8	8	6	7	13	7	7	14
30. Logging booms	—	—	—	—	—	—	—	—	—
31. Other marine construction	302	31	333	395	26	421	492	28	520

See footnotes at end of table.

TABLE 26. Alberta^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction	59,022	27,981	87,003	65,782	13,172	78,954	69,917	15,289	85,206
32. Hard surfaced or paved streets, highways, parking lots, etc.	38,269	19,589	57,858	40,819	9,592	50,411	44,033	11,400	55,433
33. Gravel or stone streets, highways, roads, parking lots, etc.	7,854	7,223	15,077	11,272	2,194	13,466	12,225	2,441	14,666
34. Dirt, clay or other streets, roads, parking lots, etc.	1,598	669	2,267	1,462	408	1,870	1,610	348	1,958
35. Grading, scraping, oiling, filling	8,482	49	8,531	9,586	569	10,155	9,239	600	9,839
36. Sidewalks, paths	2,128	247	2,375	1,814	237	2,051	1,743	316	2,059
37. Aerodromes, landing fields, runways, tarmac	691	204	895	829	172	1,001	1,067	184	1,251
Waterworks and sewage systems	21,185	5,150	26,335	23,577	4,560	28,137	22,884	5,099	27,893
38. Tile drains, drainage ditches, storm sewers	3,058	827	3,885	3,006	820	3,826	3,062	836	3,898
39. Water mains, hydrants and services	6,923	2,775	9,698	8,363	2,821	11,184	9,643	3,213	12,856
40. Sewage systems and connections	9,627	1,282	10,909	9,176	673	9,849	9,363	755	10,118
41. Pumping stations, water	1,149	145	1,294	2,605	120	2,725	277	77	354
42. Water storage tanks	428	121	549	427	126	553	539	128	667
Dams and irrigation	5,966	1,827	7,793	7,064	1,667	8,731	8,052	1,739	9,791
43. Dams and reservoirs	1,973	326	2,299	2,223	268	2,491	3,313	288	3,601
44. Irrigation and land reclamation projects	3,993	1,501	5,494	4,841	1,399	6,240	4,739	1,451	6,190
Electric power construction	17,748	3,598	21,346	18,400	3,861	22,261	15,738	4,178	19,916
45. Electric power generating plants, including water conveying and controlling structures	5,889	534	6,423	5,968	512	6,480	2,376	416	2,792
46. Electric transformer stations	1,271	338	1,609	1,459	417	1,876	2,018	432	2,450
47. Power transmission and distribution lines, trolley wires	8,288	2,129	10,417	8,669	2,206	10,875	8,697	2,533	11,230
48. Street lighting	2,300	597	2,897	2,304	726	3,030	2,647	797	3,444
Railway, telephone and telegraph	26,580	14,469	41,049	25,921	14,726	40,647	39,038	14,620	53,658
49. Railway tracks and roadbed	17,112	11,066	28,178	14,691	10,515	25,206	19,737	10,837	30,574
50. Signals and interlockers	1,067	626	1,693	872	840	1,712	544	871	1,415
51. Telegraph and telephone lines, underground and marine cables	8,401	2,777	11,178	10,358	3,371	13,729	18,757	2,912	21,669
Gas and oil facilities	234,093	20,183	254,276	289,710	24,354	314,064	293,413	21,156	314,569
52. Gas mains and services	3,413	878	4,291	3,238	1,058	4,296	3,620	1,706	5,326
53. Pumping stations, oil	2,142	788	2,928	1,309	442	1,751	1,380	505	1,885
54. Pumping stations, gas	199	43	242	283	26	309	3,949	25	3,974
55. Oil storage tanks	7,744	353	8,097	548	366	914	568	283	851
56. Gas storage tanks	77	—	77	—	—	—	—	—	—
57. Oil pipe lines	15,701	974	16,675	17,926	646	18,572	25,147	645	25,792
58. Gas pipe lines	26,692	418	27,110	25,424	252	25,676	6,727	248	6,975
59. Oil wells	123,329	8,736	132,065	189,385	12,037	201,422	155,880	9,906	165,786
60. Gas wells	23,177	759	23,936	31,816	2,079	33,895	61,666	3,358	65,024
61. Oil refinery — Processing units ¹	3,025	2,985	6,010	2,071	3,147	5,218	—	—	—
62. Natural gas cleaning plants	28,594	4,251	32,845	17,710	4,301	22,011	34,476	4,480	38,956
Other engineering construction	30,910	7,481	38,391	66,530	7,340	73,870	109,161	11,426	120,587
63. Bridges, trestles, culverts, overpasses, viaducts	7,490	4,845	12,335	8,403	4,827	13,230	17,758	5,145	22,903
64. Tunnels and subways	—	—	—	184	—	184	—	—	—
65. Incinerators	12	—	12	16	—	16	35	—	35
66. Park systems, landscaping, sodding, etc.	1,007	513	1,520	1,370	486	1,856	1,677	515	2,192
67. Swimming pools, tennis courts, outdoor recreation facilities	181	57	238	256	47	303	327	51	378
68. Mine shafts and other below surface workings	194	24	218	302	12	314	60	12	72
69. Fences, snowsheds, signs, guard rails	4,650	1,484	6,134	4,583	1,387	5,970	4,668	1,417	6,085
70. Other engineering construction	17,376	558	17,934	51,416	581	51,997	84,636	4,286	88,922

¹ Actual 1964, preliminary 1965, intentions 1966.² See footnote 2, Table 3.¹ Item 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals. Data for 1966 for this group are included in "Other engineering construction".

TABLE 27. British Columbia ^{1,2}

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Total value of construction	800,086	188,003	988,089	1,037,498	187,138	1,224,636	1,186,848	207,049	1,393,897
Total building construction	441,470	113,199	554,669	576,505	117,911	694,416	649,768	123,513	773,281
Residential	238,500	68,100	306,600	276,400	73,100	349,500	286,200	77,400	363,600
Industrial	61,441	12,495	73,936	96,289	15,946	112,235	86,311	15,585	101,896
2. Factories, plants, workshops, food canneries	48,975	10,360	59,335	80,127	13,551	93,678	70,652	13,086	83,738
3. Mine and mine mill buildings	10,898	248	11,146	13,760	389	14,149	13,349	410	13,759
4. Railway stations, offices, roadway buildings	1,158	1,403	2,561	1,806	1,331	3,137	1,327	1,387	2,714
5. Railway shops, engine houses, water and fuel stations	410	484	894	596	675	1,271	983	702	1,685
Commercial	66,144	15,226	81,370	88,424	14,952	103,376	114,029	15,827	129,856
6. Warehouses, storehouses, refrigerated storage, etc.	8,110	1,328	9,438	10,940	1,566	12,506	14,635	1,647	16,282
7. Grain elevators	45	271	316	142	487	629	7,392	541	7,933
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	6,697	2,058	8,755	13,568	1,564	15,132	15,760	1,295	17,055
9. Office buildings	24,820	2,738	27,558	28,034	4,383	32,417	33,689	5,000	38,669
10. Stores, retail and wholesale	15,964	2,626	16,790	18,547	3,250	21,797	22,341	3,177	25,518
11. Garages and service stations	4,568	836	5,404	4,107	749	4,856	5,632	792	6,424
12. Theatres, arenas, amusement and recreational buildings	5,465	4,997	10,462	12,940	2,869	15,809	14,515	3,303	17,818
13. Laundries and dry cleaning establishments	475	172	647	146	84	230	65	72	137
Institutional	57,257	8,261	65,518	91,220	8,243	99,463	138,974	8,818	147,792
14. Schools and other educational buildings	34,135	3,476	37,611	62,434	4,281	66,715	95,574	4,678	100,252
15. Churches and other religious buildings	2,849	314	3,163	3,180	228	3,408	3,857	155	4,012
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	11,535	2,149	13,684	13,805	2,632	16,437	26,980	2,622	29,802
17. Other institutional buildings	8,738	2,322	11,060	11,801	1,102	12,903	12,563	1,163	13,726
Other building construction	18,128	9,117	27,245	24,172	5,670	29,842	24,254	5,883	30,137
18. Farm buildings (excluding dwellings)	6,133	1,626	7,759	6,108	1,604	7,712	5,998	1,575	7,573
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	3,595	471	4,066	3,524	518	4,042	3,884	569	4,453
20. Aeroplane hangars	19	252	271	29	195	224	34	220	254
21. Passenger terminals, bus, boat or air	900	23	923	1,077	6	1,083	1,356	7	1,363
22. Armouries, barracks, drill halls, etc.	1,357	1,032	2,389	1,633	715	2,348	2,056	800	2,856
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	4,566	1,982	6,548	5,825	2,049	7,874	5,383	2,089	7,472
24. Other building construction	1,558	3,731	5,289	5,976	583	6,559	5,543	623	6,166
Total engineering construction	358,616	74,804	433,420	460,993	69,227	530,220	537,080	83,536	620,616
Marine construction	9,777	3,722	13,499	12,220	5,146	17,366	13,692	3,470	17,162
25. Docks, wharves, piers, breakwaters	7,795	1,984	9,779	10,316	3,623	13,939	11,946	1,850	13,796
26. Retaining walls, embankments, ripraping	184	25	209	112	20	132	37	12	49
27. Canals and waterways	44	70	114	176	71	247	175	47	222
28. Dredging and pile driving	835	1,001	1,836	555	833	1,388	247	972	1,219
29. Dyke construction	1	4	5	5	9	14	—	14	14
30. Logging booms	443	478	921	343	461	804	481	426	907
31. Other marine construction	475	160	635	713	129	842	806	149	955

See footnotes at end of table.

TABLE 27. British Columbia^{1,2} — Concluded

Type of structure	1964			1965			1966		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
Road, highway and aerodrome construction.....	104,867	25,026	129,893	108,297	23,004	131,301	127,866	35,431	163,297
32. Hard surfaced or paved streets, highways, parking lots, etc.	30,086	6,002	36,088	26,245	3,573	29,818	32,479	3,889	36,368
33. Gravel or stone streets, highways, roads, parking lots, etc.	15,019	4,078	19,097	19,427	3,400	22,827	19,731	3,589	23,320
34. Dirt, clay or other streets, roads, parking lots, etc.....	49,973	14,271	64,244	53,014	15,599	68,613	64,911	27,554	92,465
35. Grading, scraping, oiling, filling.....	2,828	75	2,903	2,351	217	2,568	2,359	199	2,558
36. Sidewalks, paths.....	2,057	532	2,589	1,373	196	1,569	967	173	1,140
37. Aerodromes, landing fields, runways, tarmac.....	4,904	68	4,972	5,887	19	5,906	7,419	27	7,446
Waterworks and sewage systems.....	32,529	6,616	39,145	40,159	4,292	44,451	31,726	4,460	36,186
38. Tile drains, drainage ditches, storm sewers.....	1,027	219	1,246	927	223	1,150	1,387	202	1,589
39. Water mains, hydrants and services.....	10,102	2,561	12,663	13,786	2,620	16,406	12,312	2,851	15,163
40. Sewage systems and connections.....	18,961	3,595	22,556	22,659	1,089	23,748	16,739	1,141	17,880
41. Pumping stations, water.....	2,084	140	2,224	2,240	177	2,417	926	203	1,129
42. Water storage tanks.....	355	101	456	547	183	730	362	63	425
Dams and irrigation.....	38,248	340	38,588	99,801	295	100,096	94,302	378	94,680
43. Dams and reservoirs.....	37,308	96	37,404	98,920	95	99,015	93,482	178	93,660
44. Irrigation and land reclamation projects.....	940	244	1,184	881	200	1,081	820	200	1,020
Electric power construction.....	39,919	6,685	46,604	81,963	5,887	87,850	114,516	6,501	121,017
45. Electric power generating plants, including water conveying and controlling structures.....	7,020	1,947	8,967	20,571	2,171	22,742	42,084	2,461	44,545
46. Electric transformer stations.....	940	43	983	969	168	1,137	407	201	608
47. Power transmissions and distribution lines, trolley wires.....	30,332	3,412	33,744	59,279	3,368	62,647	71,091	3,651	74,742
48. Street lighting.....	1,627	1,283	2,910	1,144	180	1,324	934	188	1,122
Railway, telephone and telegraph.....	37,311	16,465	53,776	38,065	16,904	54,969	35,996	17,556	53,552
49. Railway tracks and roadbed.....	25,985	11,612	37,597	22,836	12,296	35,132	20,075	12,706	32,781
50. Signals and interlockers.....	556	678	1,234	940	927	1,867	897	961	1,858
51. Telegraph and telephone lines, underground and marine cables.....	10,770	4,175	14,945	14,289	3,681	17,970	15,024	3,889	18,913
Gas and oil facilities.....	40,217	5,368	45,585	43,723	4,902	48,625	75,628	5,000	80,628
52. Gas mains and services.....	5,765	366	6,131	5,221	368	5,589	4,582	386	4,968
53. Pumping stations, oil.....	66	186	252	218	110	328	140	212	352
54. Pumping stations, gas.....	858	11	869	27	30	57	2,708	27	2,735
55. Oil storage tanks.....	1,371	471	1,842	1,074	432	1,506	1,578	381	1,959
56. Gas storage tanks.....	49	1	50	334	23	357	3,054	34	3,088
57. Oil pipe lines.....	1,536	420	1,956	404	303	707	643	292	935
58. Gas pipe lines ³	—	—	—	—	—	—	—	—	—
59. Oil wells.....	14,880	1,185	16,065	30,823	1,251	32,074	44,455	1,100	45,555
60. Gas wells.....	5,313	239	5,552	4,240	122	4,362	7,254	136	7,390
61. Oil refinery — Processing units ⁴	1,548	2,364	3,912	606	2,236	2,842	8,384	2,390	10,774
62. Natural gas cleaning plants.....	8,831	125	8,956	776	27	803	2,830	42	2,872
Other engineering construction.....	55,748	10,582	66,330	36,765	8,797	45,562	43,354	10,740	54,094
63. Bridges, trestles, culverts, overpasses, viaducts.....	12,050	7,908	19,958	14,349	6,566	20,915	21,483	8,573	30,056
64. Tunnels and subways.....	140	—	140	681	—	681	1,000	—	1,000
65. Incinerators.....	32	—	32	19	—	19	2	2	4
66. Park systems, landscaping, sodding, etc.....	405	351	756	802	713	1,515	872	815	1,687
67. Swimming pools, tennis courts, outdoor recreation facilities.....	235	19	254	925	13	938	399	15	414
68. Mine shafts and other below surface workings.....	2,938	30	2,968	6,305	284	6,589	9,680	62	9,742
69. Fences, snowsheds, signs, guard rails.....	1,407	1,065	2,472	1,482	508	1,990	1,207	530	1,737
70. Other engineering construction.....	38,541	1,209	39,750	12,202	713	12,915	8,711	743	9,454

¹ Actual 1964, preliminary 1965, intentions 1966.

² See footnote 2, Table 3.

³ Included in "Other engineering".

⁴ Item 61 "Oil refinery — Processing units" includes related structures employed in production of petrochemicals.

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 insur-

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

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

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

2. Sources and Methods

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

Total Value of Construction by Type of Structure

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

Of the total value of construction shown, about 75 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 23 of the report "Private and Public Investment in Canada, Outlook 1966".

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 shipments in 1962 of all the firms in each industry by the corresponding 1962 total for the firms reporting in the 1966 survey. In carrying out this procedure it has been assumed that the proportion of shipments of the reporting establishments in both 1962 and 1966 has not changed significantly during the period and, further, that there is a 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 about 75 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 1965 preliminary actual figures and the 1966 intentions 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 1965 to 1966 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. For 1964 and 1965, estimates of the volume of residential construction were prepared on the basis of results from surveys conducted by the Central Mortgage and Housing Corporation and the value estimates were prepared by the Dominion Bureau of Statistics. Appraisals of the probable volume of housing construction in 1966 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 private and government 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 housing in areas of less than 5,000 population. 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 1965.

Labour and Material Content

The estimates of labour and material content are derived from the application of ratios of these items to total value of work performed. The 1964 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 1964 to 1966. The ratios used to break down own account work were computed from information obtained in the capital expenditures and government departments surveys, wherein the respondent was requested to provide data on the costs involved in such work.

Indirect methods were also used in estimating the number of persons, working full-time, required to construct the facilities estimated to be erected in each of the years. In the 1951 to 1953 surveys, respondents were requested to report the average number of employees engaged in construction each month. In the 1954 survey they were asked to report the total number on the payroll during the last pay period of the month. From this point on, however, the same procedure was followed. The monthly data were summed and divided by 12 to compute the annual averages. To allow for non-response and non-coverage, this annual average number of employees of the reporting firms was "blown-up" by the relationship of estimated total salaries and wages of reporting firms. For working owners and partners reported in the contractors survey, salaries were imputed from data reported for salaried employees of construction firms and included in the labour content of the total value of work performed. The resulting figures therefore represent an estimate of the number of persons working full time throughout the year. The total number working at any given time may, of course, be above or below the average. In arriving at the average number for 1965 and 1966 an average annual earnings figure was computed from 1964, projected forward, and divided into the estimated total salaries and wages, including an allowance for working owners and partners, for these years.

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