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CONSTRUCTION IN CANADA

1968-70

DOMINION BUREAU OF STATISTICS

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CONSTRUCTION IN CANADA

1968 - 70

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INTRODUCTION

This report contains data on the total value of construction put in place during 1968 and 1969 and provides estimates of the intended programme for 1970. The information presented for 1969 is preliminary whereas that shown for 1968 and earlier years is final.

The estimates are based mainly on data collected earlier by the DBS for the publication "Private and Public Investment in Canada, Outlook 1970". The report "Private and Public Investment in Canada" provides data by industry and by area, while the present report "Construction in Canada" shows estimates for about 70 different types of structures. The total construction programme is also cross-classified by type of structure, industry, province, new and repair work, own account and contract work, constant and current dollars, etc. Also included are statistics on cost of materials used and on the labour content of the value of construction put in place.

DEFINITIONS

Construction activity is defined for purposes of this report as the creation of fixed capital in the form of buildings, bridges, highways, port facilities, hydro-electric installations and other such structures; also included are outlays for additions, alterations and repairs to these structures.

Construction activity includes both "own account construction" and "contract" construction. "Own account" is that portion of the construction activity performed by an establishment primarily engaged in some business other than construction for its own account and performed by its own employees, as well as individuals engaging in new construction and repairs for their own use.

New construction comprises all new work put in place, as well as additions and major renovations, conversions and alterations where either a structural change takes place or the life of an existing asset is extended.

Repair construction consists of minor renovations and alterations made to maintain the operating efficiency of the existing structures.

The data for the value of construction put in place includes all costs incurred directly or indirectly by the organization or individual paying for the erection of a new structure.

GENERAL REVIEW

Expenditures on construction type goods and services for 1970 are expected to rise to about $13.9 billion from about $13.0 billion in 1969 or by 6.8 per cent. The 1970 percentage increase over the previous year compares with increases of 5.1 per cent and 6.6 per cent realized in 1968 and 1969 respectively. With the exceptions of Manitoba and Saskatchewan, all provinces are expected to record increases in construction expenditures in 1970.

The intended 1970 spending on new construction at $11.4 billion will probably be 7.2 per cent higher than 1969; while the repair portion, amounting to just over $2.4 billion, will show an approximate increase of 5.1 per cent. The proportion of the complete programme, to be performed under contract during 1970 will remain comparable to last year's proportion (81.3 per cent). Of the total value of construction to be put in place during 1970, the engineering portion is estimated to account for 41.2 per cent of total activity and will probably show an increase of 12 per cent over the previous year. The strength (dollar volume) in the engineering group of structures is primarily due to projects classified under gas and oil facilities (regrouped in part in other engineering). The greatest percentage increase in the engineering group of structures will probably occur in the category of dams and irrigation facilities. Building construction will probably rise by 3.5 per cent with the largest dollar volume increases in commercial and institutional buildings. The largest percentage volume increases will probably occur in commercial and industrial buildings.

The analysis of the total value of work to be put in place in 1970 by the various industries reveals some significant variations over 1969. The manufacturing sector shows the largest percentage increase (20.8 per cent) while the largest increase in terms of dollar volume will probably occur in the utilities sector. New housing activity, on the other hand, is likely to decline in 1970, with present estimates providing for a housing programme to be about 5 per cent below the 1969 level.

TABLE A. Total Value of Construction Work Performed – Percentage Variation from Year to Year in Terms of Current and Constant Dollars, 1961 - 70[1,2,3]

Year	Current dollars		Constant 1961 dollars	
	Amount	Variation	Amount	Variation
	$ mill	%	$ mill	%
1961	7,086	1.9	7,086	3.2
1962	7,343	3.6	7,281	2.8
1963	7,715	5.1	7,454	2.4
1964	8,662	12.3	8,181	9.8
1965	9,929	14.6	8,785	7.4
1966	11,235	13.2	9,331	6.2
1967	11,620	3.4	9,576	2.6
1968	12,214	5.1	9,674	1.0
1969	13,022	6.6	9,673	–
1970	13,911	6.8	–	–

[1] For the Dominion Bureau of Statistics report "Private and Public Investment in Canada" the total value of construction work performed amounted to $13,019 millions in 1969 and $13,910 millions in 1970. The small differences are due to rounding procedures.
[2] Actual expenditures 1961 - 68, preliminary actual 1969, intentions 1970.
[3] See footnote 2, Table I.

TABLE B. Capital and Repair Expenditures – Summary by Sectors, Canada, 1968 - 70[1,2,3]

Type of enterprise		Capital expenditures			Repair expenditures			Capital and repair expenditures		
		Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
		millions of dollars								
Agriculture and fishing[2]	1968	253	769	1,022	98	225	323	351	994	1,345
	1969	243	747	990	95	225	320	338	972	1,310
	1970	245	753	998	97	232	329	342	985	1,327
Forestry	1968	37	40	77	14	44	58	51	84	135
	1969	48	51	99	16	48	64	64	99	163
	1970	49	53	102	16	48	64	65	101	166
Mining, quarrying and oil wells[3]	1968	782	292	1,074	108	229	337	890	521	1,411
	1969	786	310	1,096	126	227	353	912	537	1,449
	1970	858	309	1,167	138	257	395	996	566	1,562
Manufacturing	1968	657	1,542	2,199	193	1,039	1,232	850	2,581	3,431
	1969	742	1,802	2,544	196	1,065	1,261	938	2,867	3,805
	1970	932	2,222	3,154	201	1,115	1,316	1,133	3,337	4,470
Utilities	1968	1,774	1,446	3,220	361	709	1,070	2,135	2,155	4,290
	1969	1,845	1,508	3,353	363	763	1,126	2,208	2,271	4,479
	1970	2,091	1,518	3,609	400	846	1,246	2,491	2,364	4,855
Construction industry	1968	14	240	254	6	190	196	20	430	450
	1969	14	245	259	6	210	216	20	455	475
	1970	15	250	265	6	210	216	21	460	481
Housing	1968	2,806	–	2,806	780	–	780	3,586	–	3,586
	1969	3,370	–	3,370	844	–	844	4,214	–	4,214
	1970	3,200	–	3,200	865	–	865	4,065	–	4,065
Trade—Wholesale and retail	1968	199	311	510	66	79	145	265	390	655
	1969	187	302	489	59	63	122	246	365	611
	1970	225	299	524	55	65	120	280	364	644
Finance, insurance and real estate	1968	399	90	489	33	12	45	432	102	534
	1969	411	124	535	35	11	46	446	135	581
	1970	481	118	599	38	12	50	519	130	649
Commercial services	1968	112	361	473	27	83	110	139	444	583
	1969	100	441	541	24	87	111	124	528	652
	1970	129	489	618	21	94	115	150	583	733
Institutional services	1968	1,197	225	1,422	91	27	118	1,288	252	1,540
	1969	1,152	203	1,355	105	28	133	1,257	231	1,486
	1970	1,243	221	1,464	108	29	137	1,351	250	1,601
Government departments	1968	1,679	230	1,909	528	76	604	2,207	306	2,513
	1969	1,774	207	1,981	478	77	555	2,252	284	2,536
	1970	1,972	193	2,165	525	82	607	2,497	275	2,772
Totals	**1968**	**9,909**	**5,546**	**15,455**	**2,305**	**2,713**	**5,018**	**12,214**	**8,259**	**20,473**
	1969	**10,672**	**5,940**	**16,612**	**2,347**	**2,804**	**5,151**	**13,019**	**8,744**	**21,763**
	1970	**11,440**	**6,425**	**17,865**	**2,470**	**2,990**	**5,460**	**13,910**	**9,415**	**23,325**

[1] Table from "Private and Public Investment in Canada, Outlook 1970:" – actual expenditures 1968, preliminary actual 1969, intentions 1970.
[2] Estimates for capital and repair expenditures in Agriculture have been revised on the basis of the 1958 Farm Income and Expenditure Survey and the 1961 Census of Agriculture, and are not comparable with data for years prior to 1961.
[3] Estimates for metal and non-metal mining were increased for 1967 and subsequent years following the introduction of a new survey questionnaire and the resultant collection of more complete supplementary data on development and on property exploration expenditures by mining companies in production, those preparing for production and exploration companies.

TABLE 1. Total Value of Construction Work Performed – Current and Constant Dollars by New and Repair, 1961 - 70[1,2]

Year	New		Repair		Total		Total construction as percentage of Gross National Expenditure	
	Current dollars	Constant 1961 dollars	Current dollars	Constant 1961 dollars	Current dollars	Constant 1961 dollars	Current dollars	Constant 1961 dollars
	millions of dollars						per cent	
1961	5,630	5,630	1,456	1,456	7,086	7,086	18.1	18.1
1962	5,834	5,777	1,509	1,504	7,343	7,281	17.3	17.4
1963	6,156	5,936	1,559	1,518	7,715	7,454	17.0	16.9
1964	7,032	6,617	1,630	1,564	8,662	8,181	17.4	17.4
1965	8,175	7,254	1,754	1,531	9,929	8,785	18.1	17.5
1966	9,281	7,744	1,954	1,587	11,235	9,331	18.3	17.4
1967	9,474	7,798	2,146	1,778	11,620	9,576	17.7	17.3
1968	9,909	7,849	2,305	1,825	12,214	9,674	17.1	16.7
1969	10,672	7,927	2,350	1,746	13,022	9,673	16.7	15.9
1970	11,440	–	2,471	–	13,911	–	–	–

[1] Actual 1961 - 68, preliminary 1969, intentions 1970.
[2] Data for 1961 - 67 are not directly comparable with data published for previous years due to minor revisions in the mining and residential sectors.

TABLE 2. Total Value of Construction Work Performed – Contractors and Others by New and Repair, 1966 - 70[1,2,3]

Year	Contract construction			Other construction[2]			Total construction		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
1966	8,062	1,061	9,123	1,219	893	2,112	9,281	1,954	11,235
1967	8,075	1,170	9,245	1,399	976	2,375	9,474	2,146	11,620
1968	8,675	1,260	9,935	1,234	1,045	2,279	9,909	2,305	12,214
1969	9,261	1,332	10,593	1,411	1,018	2,429	10,672	2,350	13,022
1970	9,856	1,363	11,219	1,584	1,108	2,692	11,440	2,471	13,911

[1] Actual 1966 - 68, preliminary 1969, intentions 1970.
[2] Represents work done by the labour forces of utilities, manufacturing, mining and logging firms, government departments, institutions and other persons or firms not primarily engaged in the construction industry.
[3] See footnote 2, Table 1.

TABLE 3. Total Value of Construction Work Performed – Principal Type of Construction, 1966 - 70[1,2,3]

Type of construction	1966		1967		1968		1969		1970	
	Value	Per cent of total	Value	Per cent of total	Value	Per cent of total	Value	Per cent of total	Value	Per cent of total
	$ mill	%	$ mill	%	$ mill	%	$ mill	%	$ mill	%
Total construction	**11,235**	**100.0**	**11,620**	**100.0**	**12,214**	**100.0**	**13,022**	**100.0**	**13,911**	**100.0**
Total building construction[2]	**6,659**	**59.3**	**6,852**	**59.0**	**7,258**	**59.4**	**7,906**	**60.7**	**8,180**	**58.8**
Residential	2,841	25.3	3,091	26.6	3,587	29.3	4,214	32.4	4,065	29.2
Industrial	1,001	8.9	870	7.5	744	6.1	831	6.4	932	6.7
Commercial	1,250	11.1	1,221	10.5	1,146	9.4	1,100	8.4	1,270	9.1
Institutional	1,170	10.4	1,258	10.8	1,379	11.3	1,341	10.3	1,456	10.5
Other building	397	3.6	412	3.6	402	3.3	420	3.2	457	3.3
Total engineering	**4,576**	**40.7**	**4,768**	**41.0**	**4,956**	**40.6**	**5,116**	**39.3**	**5,731**	**41.2**
Marine	130	1.2	143	1.2	134	1.1	143	1.1	134	1.0
Road highway and aerodrome construction	1,230	10.9	1,283	11.1	1,186	9.7	1,181	9.1	1,250	9.0
Waterworks and sewage systems	405	3.6	385	3.3	403	3.3	407	3.1	496	3.6
Dams and irrigation	233	2.1	163	1.4	230	1.9	191	1.5	248	1.8
Electric power construction	743	6.6	859	7.4	825	6.7	943	7.3	982	7.0
Railway, telephone and telegraph construction	483	4.3	516	4.4	524	4.3	526	4.0	570	4.1
Gas and oil facilities	687	6.1	742	6.4	901	7.4	940	7.2	1,051	7.5
Other engineering construction	665	5.9	677	5.8	753	6.2	785	6.0	1,000	7.2

[1] Actual 1966 - 68, preliminary 1969, intentions 1970.
[2] Estimates for types of structure in agriculture have been compiled for 1963, 1964, 1965, 1966, 1967, 1968, 1969 and 1970 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.
[3] See footnote 2, Table 1.

TABLE 4. Total Value of Construction Work Performed – Principal Type of Construction by Industry, 1968-70[1,2,3]

Industry	1968			1969			1970		
	Building	Engineering	Total	Building	Engineering	Total	Building	Engineering	Total
	thousands of dollars								
Totals	**7,257,649**	**4,956,006**	**12,213,655**	**7,905,648**	**5,116,324**	**13,021,972**	**8,179,671**	**5,730,843**	**13,910,514**
Agriculture and fishing[2]	228,119	123,018	351,137	219,697	118,484	338,181	221,844	119,641	341,485
Forestry	6,638	44,636	51,274	9,619	54,392	64,011	7,612	57,066	64,678
Mining, quarrying and oil wells[3]	157,618	733,282	890,900	145,235	766,465	911,700	136,460	859,540	996,000
Construction	19,637	363	20,000	19,637	363	20,000	20,626	374	21,000
Manufacturing	563,364	287,078	850,442	656,585	282,712	939,297	749,095	385,495	1,134,590
Utilities	192,856	1,941,288	2,134,144	215,422	1,993,536	2,208,958	262,318	2,227,967	2,490,285
Trade – Wholesale and retail	249,974	14,318	264,292	234,204	11,846	246,050	265,811	13,032	278,843
Finance, insurance and real estate	424,201	8,178	432,379	438,113	8,205	446,318	501,576	18,114	519,690
Commercial services	131,616	6,490	138,306	124,274	387	124,661	149,299	1,108	150,407
Housing	3,586,757	–	3,586,757	4,214,000	–	4,214,000	4,064,600	–	4,064,600
Institutional services	1,274,365	13,065	1,287,430	1,246,851	11,047	1,257,898	1,337,020	14,030	1,351,050
Government departments	422,304	1,784,290	2,206,594	382,011	1,868,887	2,250,898	463,410	2,034,476	2,497,886

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] See footnote 3, Table B.

TABLE 5. Total Value of Construction Work Performed – Dollar and Percentage Variation by Principal Type of Construction by Industry, 1968-70[1,2,3]

Industry	Variation 1968 to 1969						Variation 1969 to 1970					
	Building		Engineering		Total		Building		Engineering		Total	
	$ Mill	%	$ Mill	%	$ Mill	%	$ Mill	%	$ Mill	%	$ Mill	%
Totals	**648**	**8.9**	**160**	**3.2**	**808**	**6.6**	**274**	**3.5**	**615**	**12.0**	**889**	**6.8**
Agriculture and fishing[2]	– 8	– 3.7	– 5	– 3.7	– 13	– 3.7	2	1.0	1	1.0	3	1.0
Forestry	3	44.9	10	21.9	13	24.8	– 2	– 20.9	3	4.9	1	1.0
Mining, quarrying and oil wells[3]	– 12	– 7.9	33	4.5	21	2.3	– 9	– 6.0	93	12.1	84	9.2
Construction	–	–	–	–	–	–	1	5.0	–	3.0	1	5.0
Manufacturing	93	16.5	– 4	– 1.5	89	10.4	92	14.1	103	36.4	195	20.8
Utilities	23	11.7	52	2.7	75	3.5	47	21.8	234	11.8	281	12.7
Trade – Wholesale and retail	– 16	– 6.3	– 2	– 17.3	– 18	– 6.9	32	13.5	1	10.0	33	13.3
Finance, insurance and real estate	14	3.3	–	0.3	14	3.2	64	14.5	10	120.8	74	16.4
Commercial services	– 8	– 5.7	– 6	– 94.0	– 14	– 9.9	25	20.1	1	186.3	26	20.7
Housing	627	17.5	–	–	627	17.5	– 149	– 3.5	–	–	– 149	– 3.5
Institutional services	– 28	– 2.2	– 2	– 15.4	– 30	– 2.3	90	7.2	3	27.0	93	7.4
Government departments	– 40	– 9.5	84	4.7	44	2.0	81	21.3	166	8.9	247	11.0

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] See footnote 3, Table B.

TABLE 6. Total Value of Construction Work Performed – Type of Structure, 1966 - 70[1,2,3,4,5,6]

Type of structure	1966	1967	1968	1969	1970
	thousands of dollars				
Total value of construction	**11,235,395**	**11,620,029**	**12,213,655**	**13,021,972**	**13,910,514**
Total building construction	**6,658,824**	**6,851,680**	**7,257,649**	**7,905,648**	**8,179,671**
Residential	**2,840,600**	**3,090,700**	**3,586,757**	**4,214,000**	**4,064,600**
Industrial	**1,000,922**	**869,820**	**743,761**	**830,940**	**931,755**
2. Factories, plants, workshops, food canneries	808,285	692,815	576,926	671,164	777,646
3. Mine and mine mill buildings	156,578	136,662	134,204	122,435	114,853
4. Railway stations, offices, roadway buildings	23,125	27,912	20,093	20,680	21,896
5. Railway shops, engine houses, water and fuel stations	12,934	12,431	12,538	16,661	17,360
Commercial	**1,249,897**	**1,221,282**	**1,145,888**	**1,099,662**	**1,270,401**
6. Warehouses, storehouses, refrigerated storage, etc.	103,881	114,664	141,483	112,952	108,553
7. Grain elevators	34,317	46,026	17,137	9,896	8,886
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	119,152	95,290	78,626	74,746	103,827
9. Office buildings	454,195	479,029	489,016	472,635	577,257
10. Stores, retail and wholesale	303,237	266,626	232,982	245,027	256,021
11. Garages and service stations	52,918	80,252	86,354	94,993	98,413
12. Theatres, arenas, amusement and recreational buildings	178,172	136,273	96,120	83,341	115,262
13. Laundries and dry cleaning establishments	4,025	3,122	4,170	3,072	2,182
Institutional	**1,170,566**	**1,257,989**	**1,379,264**	**1,340,850**	**1,455,648**
14. Schools and other educational buildings	800,871	903,595	983,410	960,681	998,054
15. Churches and other religious buildings	55,036	50,163	42,695	36,133	31,140
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	210,321	224,631	243,319	256,373	305,831
17. Other institutional buildings	104,338	79,600	109,840	87,663	120,623
Other building construction	**396,839**	**411,889**	**401,979**	**420,196**	**457,267**
18. Farm buildings (excluding dwellings)	233,985	235,286	229,508	221,042	223,377
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	39,321	38,459	43,232	54,088	60,570
20. Aeroplane hangars	5,085	5,538	16,221	19,607	15,546
21. Passenger terminals, bus, boat or air	27,662	23,287	13,295	10,609	24,341
22. Armouries, barracks, drill halls, etc.	18,629	12,986	11,551	7,790	8,439
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	17,086	23,398	19,965	17,553	14,984
24. Other building construction	55,071	72,935	68,207	89,507	110,010
Total engineering construction	**4,576,571**	**4,768,349**	**4,956,006**	**5,116,324**	**5,730,843**
Marine construction	**130,033**	**142,448**	**134,250**	**142,503**	**133,664**
25. Docks, wharves, piers, breakwaters	69,795	75,656	64,723	72,098	64,355
26. Retaining walls, embankments, riprapping	12,925	16,636	18,235	20,638	22,548
27. Canals and waterways	31,561	23,639	34,766	30,639	24,085
28. Dredging and pile driving	7,291	11,746	5,518	6,299	4,779
29. Dyke construction	1,157	4,051	2,430	1,803	7,061
30. Logging booms	1,463	1,146	954	1,215	1,542
31. Other marine construction	5,841	9,574	7,624	9,811	9,294

See footnote(s) at end of table.

TABLE 6. Total Value of Construction Work Performed – Type of Structure, 1966-70[1,2,3,4,5,6] – Concluded

Type of structure	1966	1967	1968	1969	1970
	thousands of dollars				
Road, highway and aerodrome construction	**1,230,145**	**1,282,884**	**1,185,408**	**1,181,316**	**1,250,381**
32. Hard surfaced or paved streets, highways, parking lots, etc.	1,053,546	1,119,904	1,023,715	991,279	1,050,325
33. Gravel or stone streets, highways, roads, parking lots, etc.					
34. Dirt, clay or other streets, roads, parking lots, etc.	74,204	68,047	71,188	88,320	92,549
35. Grading, scraping, oiling, filling	58,815	58,464	55,102	67,039	71,628
36. Sidewalks, paths	24,459	22,652	24,040	23,772	25,119
37. Aerodromes, landing fields, runways, tarmac	19,121	13,817	11,363	10,906	10,760
Waterworks and sewage systems	**405,229**	**385,380**	**403,370**	**407,388**	**496,246**
38. Tile drains, drainage ditches, storm sewers	40,684	43,488	43,525	45,907	50,138
39. Water mains, hydrants and services	138,359	135,807	123,529	113,691	130,444
40. Sewage systems and connections	183,446	171,953	201,457	222,738	277,060
41. Pumping stations, water	32,929	27,949	28,814	19,230	30,452
42. Water storage tanks	9,811	6,183	6,045	5,822	8,152
Dams and irrigation	**233,105**	**163,283**	**230,084**	**191,465**	**248,010**
43. Dams and reservoirs	188,134	129,770	197,060	159,548	215,242
44. Irrigation and land reclamation projects	44,971	33,513	33,024	31,917	32,768
Electric power construction	**742,452**	**859,371**	**825,257**	**943,018**	**981,777**
45. Electric power generating plants, including water conveying and controlling structures	350,075	476,628	371,811	398,402	324,154
46. Electric transformer stations	39,094	44,212	49,552	61,644	83,560
47. Power transmission and distribution lines, trolley wires	324,012	308,840	376,916	454,955	544,777
48. Street lighting	29,271	29,691	26,978	28,017	29,286
Railway, telephone and telegraph	**483,076**	**515,431**	**524,161**	**525,624**	**570,213**
49. Railway tracks and roadbed	235,798	265,392	251,004	254,379	284,235
50. Signals and interlockers	24,757	22,899	22,175	25,495	28,569
51. Telegraph and telephone lines, underground and marine cables	222,521	227,140	250,982	245,750	257,409
Gas and oil facilities	**687,320**	**742,129**	**900,751**	**939,723**	**1,050,911**
52. Gas mains and services	66,100	53,504	94,029	120,358	102,068
53. Pumping stations, oil	5,470	6,804	10,619	9,484	10,074
54. Pumping stations, gas	9,856	10,788	33,724	28,757	46,904
55. Oil storage tanks	16,304	16,620	15,966	15,890	15,233
56. Gas storage tanks	5,325	3,190	7,038	6,781	2,860
57. Oil pipe lines	70,449	71,705	45,635	35,271	16,252
58. Gas pipe lines	53,781	72,521	101,600	86,486	123,094
59. Oil wells	240,849	216,411	275,466	266,335	290,254
60. Gas wells	91,337	101,020	86,995	132,946	146,548
61. Oil refinery – Processing units[3]	86,217	114,410	148,875	136,884	148,149
62. Natural gas cleaning plants	41,632	75,156	80,804	100,531	149,475
Other engineering construction	**665,211**	**677,423**	**752,725**	**785,287**	**999,641**
63. Bridges, trestles, culverts, overpasses, viaducts	218,967	192,906	228,085	234,154	240,922
64. Tunnels and subways	67,803	63,864	21,226	27,259	45,510
65. Incinerators	185	274	299	95	214
66. Park systems, landscaping, sodding, etc.	34,342	23,077	21,939	23,462	25,032
67. Swimming pools, tennis courts, outdoor recreation facilities	4,244	7,984	2,918	4,705	5,393
68. Mine shafts and other below surface workings	98,401	165,659	191,066	203,404	217,362
69. Fences, snowsheds, signs, guard rails	43,863	47,965	46,209	44,775	47,464
70. Other engineering construction	197,406	175,694	240,983	247,433	417,744

[1] Actual 1966-68, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Item 61 "Oil refinery – Processing units" includes related structures employed in production of petrochemicals.
[4] See footnote 3, Table B.
[5] "Other building" and "engineering" construction, items 24 and 70 respectively, contain data which could not be published in a specific category due to the secrecy provisions of the Statistics Act.
[6] See footnote 2, Table 1.

TABLE 7. Total Value of Construction Work Performed – Labour Content and Cost of Materials Used by Province, 1968-70[1,2]

Province and year	Labour content		Cost of materials used	Value of work performed
	Number	Value		
		thousands of dollars		
Canada:				
1968	604,430	4,282,544	5,560,241	12,213,655
1969	592,480	4,550,888	5,958,614	13,021,972
1970	575,137	4,878,057	6,340,242	13,910,514
Newfoundland:				
1968	16,136	94,173	149,437	308,657
1969	16,449	111,489	167,891	363,493
1970	17,408	129,243	198,260	423,193
Prince Edward Island:				
1968	2,152	10,691	14,620	33,890
1969	2,042	11,741	15,840	36,290
1970	2,043	12,926	17,415	40,152
Nova Scotia:				
1968	22,670	126,839	179,621	382,095
1969	22,380	147,674	216,800	447,882
1970	21,171	152,685	222,828	458,568
New Brunswick:				
1968	17,457	91,415	131,250	274,306
1969	15,531	92,492	137,178	282,366
1970	15,135	99,288	146,857	304,424
Quebec:				
1968	129,773	887,632	1,178,876	2,552,050
1969	128,662	919,684	1,231,897	2,652,014
1970	122,938	968,505	1,292,318	2,791,452
Ontario:				
1968	216,225	1,570,875	1,969,168	4,309,434
1969	211,552	1,668,179	2,117,399	4,608,270
1970	209,962	1,829,911	2,290,939	5,012,202
Manitoba:				
1968	32,310	240,126	293,193	662,332
1969	33,859	267,514	327,148	738,919
1970	30,320	261,514	322,814	725,687
Saskatchewan:				
1968	30,482	223,027	301,109	668,659
1969	26,772	196,194	260,877	578,936
1970	23,748	191,001	251,517	560,785
Alberta:				
1968	68,667	480,230	627,377	1,442,759
1969	67,585	532,128	705,700	1,604,958
1970	64,540	584,757	746,332	1,707,560
British Columbia:[2]				
1968	68,558	557,536	715,590	1,579,473
1969	67,648	603,793	777,884	1,708,844
1970	67,872	668,227	850,962	1,886,491

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] British Columbia includes Northwest Territories and Yukon.

TABLE 8. Total Value of Work Performed-Labour Content and Cost of Materials Used by Contractors, Utilities, Governments and Miscellaneous, 1968 - 70[1,2]

Year	Labour content		Cost of materials used	Value of work performed
	Number	Value		
		thousands of dollars		
Total:				
1968	604,430	4,282,544	5,560,241	12,213,655
1969	592,480	4,550,888	5,958,614	13,021,972
1970	575,137	4,878,057	6,340,242	13,910,514
Contractors:				
1968	456,121	3,296,067	4,666,458	9,935,343
1969	447,583	3,508,403	4,990,452	10,592,717
1970	430,574	3,724,321	5,271,018	11,219,283
Utilities:				
1968	51,472	382,326	452,820	923,017
1969	53,351	428,046	507,382	1,040,566
1970	53,804	475,863	565,083	1,156,359
Governments:				
1968	62,945	378,421	182,992	735,660
1969	58,628	382,127	191,760	749,608
1970	58,791	423,771	211,803	831,484
Miscellaneous:				
1968	33,892	225,730	257,971	619,635
1969	32,918	232,312	269,020	639,081
1970	31,968	254,102	292,338	703,388

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] Represents work done by the labour forces of utilities, manufacturing, mining and logging firms, government departments, institutions and other persons or firms not primarily engaged in the construction industry.

TABLE 9. Total Value of Construction Work Performed – Type of Structure and by New and Repair – Canada, 1968 - 70[1,2,3,4,5]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**9,908,424**	**2,305,231**	**12,213,655**	**10,672,152**	**2,349,820**	**13,021,972**	**11,440,211**	**2,470,303**	**13,910,514**
Total building construction	**5,893,596**	**1,364,053**	**7,257,649**	**6,488,591**	**1,417,057**	**7,905,648**	**6,724,945**	**1,454,726**	**8,179,671**
Residential	**2,806,423**	**780,334**	**3,586,757**	**3,370,000**	**844,000**	**4,214,000**	**3,200,000**	**864,600**	**4,064,600**
Industrial	**549,178**	**194,583**	**743,761**	**631,898**	**199,042**	**830,940**	**720,345**	**211,410**	**931,755**
2. Factories, plants, workshops, food canneries	426,706	150,220	576,926	525,475	145,689	671,164	629,828	147,818	777,646
3. Mine and mine mill buildings	108,625	25,579	134,204	87,657	34,778	122,435	71,245	43,608	114,853
4. Railway stations, offices, roadway buildings	8,319	11,774	20,093	9,507	11,173	20,680	9,998	11,898	21,896
5. Railway shops, engine houses, water and fuel stations	5,528	7,010	12,538	9,259	7,402	16,661	9,274	8,086	17,360
Commercial	**961,343**	**184,545**	**1,145,888**	**932,017**	**167,645**	**1,099,662**	**1,104,229**	**166,172**	**1,270,401**
6. Warehouses, storehouses, refrigerated storage, etc.	119,346	22,137	141,483	93,433	19,519	112,952	89,309	19,244	108,553
7. Grain elevators	9,946	7,191	17,137	5,715	4,181	9,896	4,994	3,892	8,886
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	60,097	18,529	78,626	60,863	16,883	77,746	87,267	16,560	103,827
9. Office buildings	427,146	61,870	489,016	416,080	56,555	472,635	516,799	60,458	577,257
10. Stores, retail and wholesale	188,158	44,824	232,982	205,035	39,992	245,027	220,442	35,579	256,021
11. Garages and service stations	67,138	19,216	86,354	75,032	19,961	94,993	78,696	19,717	98,413
12. Theatres, arenas, amusement and recreational buildings	86,492	9,628	96,120	74,032	9,309	83,341	105,684	9,578	115,262
13. Laundries and dry cleaning establishments	3,020	1,150	4,170	1,827	1,245	3,072	1,038	1,144	2,182
Institutional	**1,274,109**	**105,155**	**1,379,264**	**1,225,422**	**115,428**	**1,340,850**	**1,336,859**	**118,789**	**1,455,648**
14. Schools and other educational buildings	929,366	54,044	983,410	898,344	62,337	960,681	933,378	64,676	998,054
15. Churches and other religious buildings	35,602	7,093	42,695	24,959	11,174	36,133	23,723	7,417	31,140
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	213,402	29,917	243,319	224,666	31,707	256,373	269,982	35,849	305,831
17. Other institutional buildings	95,739	14,101	109,840	77,453	10,210	87,663	109,776	10,847	120,623
Other building construction	**302,543**	**99,436**	**401,979**	**329,254**	**90,942**	**420,196**	**363,512**	**93,755**	**457,267**
18. Farm buildings (excluding dwellings)	165,190	64,318	229,508	158,637	62,405	221,042	160,101	63,276	223,377
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	35,632	7,600	43,232	49,853	4,235	54,088	56,311	4,259	60,570
20. Aeroplane hangars	13,648	2,573	16,221	17,063	2,544	19,607	13,537	2,009	15,546
21. Passenger terminals, bus, boat or air	10,877	2,418	13,295	9,215	1,394	10,609	22,555	1,786	24,341
22. Armouries, barracks, drill halls, etc.	2,306	9,245	11,551	2,224	5,566	7,790	2,768	5,671	8,439
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	16,647	3,318	19,965	14,095	3,458	17,553	11,596	3,388	14,984
24. Other building construction	58,243	9,964	68,207	78,167	11,340	89,507	96,644	13,366	110,010
Total engineering construction	**4,014,828**	**941,178**	**4,956,006**	**4,183,561**	**932,763**	**5,116,324**	**4,715,266**	**1,015,577**	**5,730,843**
Marine construction	**105,714**	**28,536**	**134,250**	**116,533**	**25,970**	**142,503**	**107,480**	**26,184**	**133,664**
25. Docks, wharves, piers, breakwaters	52,272	12,451	64,723	62,244	9,854	72,098	54,284	10,071	64,355
26. Retaining walls, embankments, riprapping	13,322	4,913	18,235	16,548	4,090	20,638	18,336	4,212	22,548
27. Canals and waterways	27,768	6,998	34,766	23,106	7,533	30,639	16,418	7,667	24,085
28. Dredging and pile driving	3,830	1,688	5,518	4,853	1,446	6,299	3,734	1,045	4,779
29. Dyke construction	2,063	367	2,430	1,665	138	1,803	6,923	138	7,061
30. Logging booms	327	627	954	441	774	1,215	722	820	1,542
31. Other marine construction	6,132	1,492	7,624	7,676	2,135	9,811	7,063	2,231	9,294

See footnote(s) at end of table.

TABLE 9. Total Value of Construction Work Performed–Type of Structure and by New and Repair–Canada, 1968 - 70[1,2,3,4,5] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**854, 102**	**331, 306**	**1, 185, 408**	**866, 574**	**314, 742**	**1, 181, 316**	**905, 210**	**345, 171**	**1, 250, 381**
32. Hard surfaced or paved streets, highways, parking lots, etc.	749, 833	273, 882	1, 023, 715	735, 300	255, 979	991, 279	765, 778	284, 547	1, 050, 325
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	41, 296	29, 892	71, 188	60, 567	27, 753	88, 320	64, 689	27, 860	92, 549
35. Grading, scraping, oiling, filling	37, 608	17, 494	55, 102	45, 783	21, 256	67, 039	49, 733	21, 895	71, 628
36. Sidewalks, paths	15, 758	8, 282	24, 040	15, 045	8, 727	23, 772	15, 201	9, 918	25, 119
37. Aerodromes, landing fields, runways, tarmac	9, 607	1, 756	11, 363	9, 879	1, 027	10, 906	9, 809	951	10, 760
Waterworks and sewage systems	**324, 629**	**78, 741**	**403, 370**	**329, 904**	**77, 484**	**407, 388**	**411, 068**	**85, 178**	**496, 246**
38. Tile drains, drainage ditches, storm sewers	31, 663	11, 862	43, 525	34, 732	11, 175	45, 907	37, 344	12, 794	50, 138
39. Water mains, hydrants and services	92, 636	30, 893	123, 529	82, 531	31, 160	113, 691	98, 136	32, 308	130, 444
40. Sewage systems and connections	170, 450	31, 007	201, 457	194, 805	27, 933	222, 738	244, 249	32, 811	277, 060
41. Pumping stations, water	25, 184	3, 630	28, 814	13, 234	5, 996	19, 230	24, 435	6, 017	30, 452
42. Water storage tanks	4, 696	1, 349	6, 045	4, 602	1, 220	5, 822	6, 904	1, 248	8, 152
Dams and irrigation	**218, 382**	**11, 702**	**230, 084**	**181, 662**	**9, 803**	**191, 465**	**238, 087**	**9, 923**	**248, 010**
43. Dams and reservoirs	194, 622	2, 438	197, 060	157, 980	1, 568	159, 548	213, 651	1, 591	215, 242
44. Irrigation and land reclamation projects	23, 760	9, 264	33, 024	23, 682	8, 235	31, 917	24, 436	8, 332	32, 768
Electric power construction	**747, 175**	**78, 082**	**825, 257**	**857, 388**	**85, 630**	**943, 018**	**884, 526**	**97, 251**	**981, 777**
45. Electric power generating plants, including water conveying and controlling structures	351, 477	20, 334	371, 811	371, 703	26, 699	398, 402	294, 169	29, 985	324, 154
46. Electric transformer stations	42, 619	6, 933	49, 552	55, 209	6, 435	61, 644	76, 237	7, 323	83, 560
47. Power transmission and distribution lines, trolley wires	332, 507	44, 409	376, 916	408, 627	46, 328	454, 955	491, 550	53, 227	544, 777
48. Street lighting	20, 572	6, 406	26, 978	21, 849	6, 168	28, 017	22, 570	6, 716	29, 286
Railway, telephone and telegraph	**338, 135**	**186, 026**	**524, 161**	**346, 675**	**178, 949**	**525, 624**	**374, 428**	**195, 785**	**570, 213**
49. Railway tracks and roadbed	137, 035	113, 969	251, 004	142, 490	111, 889	254, 379	162, 414	121, 821	284, 235
50. Signals and interlockers	9, 242	12, 933	22, 175	11, 683	13, 812	25, 495	13, 675	14, 894	28, 569
51. Telegraph and telephone lines, underground and marine cables	191, 858	59, 124	250, 982	192, 502	53, 248	245, 750	198, 339	59, 070	257, 409
Gas and oil facilities	**774, 362**	**126, 389**	**900, 751**	**795, 245**	**144, 478**	**939, 723**	**901, 345**	**149, 566**	**1, 050, 911**
52. Gas mains and services	86, 078	7, 951	94, 029	112, 179	8, 179	120, 358	93, 438	8, 630	102, 068
53. Pumping stations, oil	8, 290	2, 329	10, 619	7, 002	2, 482	9, 484	7, 289	2, 785	10, 074
54. Pumping stations, gas	30, 271	3, 453	33, 724	27, 722	1, 035	28, 757	45, 591	1, 313	46, 904
55. Oil storage tanks	12, 911	3, 055	15, 966	13, 210	2, 680	15, 890	12, 264	2, 969	15, 233
56. Gas storage tanks	6, 981	57	7, 038	6, 594	187	6, 781	2, 633	227	2, 860
57. Oil pipe lines	41, 565	4, 070	45, 635	32, 340	2, 931	35, 271	12, 953	3, 299	16, 252
58. Gas pipe lines	98, 641	2, 959	101, 600	84, 063	2, 423	86, 486	120, 490	2, 604	123, 094
59. Oil wells	238, 285	37, 181	275, 466	229, 091	37, 244	266, 335	252, 932	37, 322	290, 254
60. Gas wells	80, 635	6, 360	86, 995	114, 167	18, 779	132, 946	128, 362	18, 186	146, 548
61. Oil refinery – Processing units[3]	102, 960	45, 915	148, 875	90, 745	46, 139	136, 884	99, 769	48, 380	148, 149
62. Natural gas cleaning plants	67, 745	13, 059	80, 804	78, 132	22, 399	100, 531	125, 624	23, 851	149, 475
Other engineering construction	**652, 329**	**100, 396**	**752, 725**	**689, 580**	**95, 707**	**785, 287**	**893, 122**	**106, 519**	**999, 641**
63. Bridges, trestles, culverts, overpasses, viaducts	198, 265	29, 820	228, 085	203, 543	30, 611	234, 154	207, 406	33, 516	240, 922
64. Tunnels and subways	19, 687	1, 539	21, 226	26, 208	1, 051	27, 259	43, 766	1, 744	45, 510
65. Incinerators	69	230	299	17	78	95	106	108	214
66. Park systems, landscaping, sodding, etc.	15, 913	6, 026	21, 939	17, 099	6, 363	23, 462	18, 445	6, 587	25, 032
67. Swimming pools, tennis courts, outdoor recreation facilities	1, 354	1, 564	2, 918	3, 424	1, 281	4, 705	4, 066	1, 327	5, 393
68. Mine shafts and other below surface workings	181, 794	9, 272	191, 066	197, 491	5, 913	203, 404	210, 366	6, 996	217, 362
69. Fences, snowsheds, signs, guard rails	32, 005	14, 204	46, 209	31, 806	12, 969	44, 775	34, 162	13, 302	47, 464
70. Other engineering construction	203, 242	37, 741	240, 983	209, 992	37, 441	247, 433	374, 805	42, 939	417, 744

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Item 61 "Oil refinery – Processing units" includes related structures employed in production of petrochemicals.
[4] See footnote 3, Table B.
[5] See footnote 5, Table 6.

TABLE 10. Total Value of Construction Work Performed – New and Repair by Type of Structure by Primary Industries, 1968 - 70[1,2,3,4,5]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**1,086,387**	**226,924**	**1,313,311**	**1,090,650**	**243,242**	**1,333,892**	**1,167,115**	**256,048**	**1,423,163**
Total building construction	**311,418**	**100,594**	**412,012**	**285,472**	**108,716**	**394,188**	**267,569**	**118,973**	**386,542**
Residential	–	–	–	–	–	–	–	–	–
Industrial	**119,976**	**28,911**	**148,887**	**94,313**	**37,305**	**131,618**	**77,661**	**46,376**	**124,037**
2. Factories, plants, workshops, food canneries	11,619	3,425	15,044	7,592	2,868	10,460	8,555	3,088	11,643
3. Mine and mine mill buildings	108,357	25,486	133,843	86,721	34,437	121,158	69,106	43,288	112,394
4. Railway stations, offices, roadway buildings	–	–	–	–	–	–	–	–	–
5. Railway shops, engine houses, water and fuel stations	–	–	–	–	–	–	–	–	–
Commercial	**12,408**	**4,997**	**17,405**	**11,603**	**6,713**	**18,316**	**15,647**	**7,094**	**22,741**
6. Warehouses, storehouses, refrigerated storage, etc.	4,704	1,772	6,476	4,284	1,695	5,979	4,714	1,722	6,436
7. Grain elevators	–	–	–	–	–	–	–	–	–
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	3	3	6	–	8	8	–	2	2
9. Office buildings	4,964	2,183	7,147	4,898	2,577	7,475	6,149	2,659	8,808
10. Stores, retail and wholesale	–	1	1	–	–	–	–	–	–
11. Garages and service stations	2,523	1,001	3,524	2,086	2,352	4,436	4,502	2,623	7,125
12. Theatres, arenas, amusement and recreational buildings	214	37	251	335	81	416	282	88	370
13. Laundries and dry cleaning establishments	–	–	–	–	–	–	–	–	–
Institutional	**85**	**14**	**99**	**313**	**78**	**391**	**951**	**103**	**1,054**
14. Schools and other educational buildings	–	–	–	212	67	279	697	81	778
15. Churches and other religious buildings	–	–	–	–	–	–	–	–	–
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	85	14	99	101	11	112	209	22	231
17. Other institutional buildings	–	–	–	–	–	–	45	–	45
Other building construction	**178,949**	**66,672**	**245,621**	**179,243**	**64,620**	**243,863**	**173,310**	**65,400**	**238,710**
18. Farm buildings (excluding dwellings)	163,994	63,724	227,718	157,681	61,616	219,297	159,015	62,419	221,434
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	4	40	44	1	34	35	51	29	80
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	6,604	2,527	9,131	8,126	2,621	10,747	6,685	2,613	9,298
24. Other building construction	8,347	381	8,728	13,435	349	13,784	7,559	339	7,898
Total engineering construction	**774,969**	**126,330**	**901,299**	**805,178**	**134,526**	**939,704**	**899,546**	**137,075**	**1,036,621**
Marine construction	**9,353**	**1,606**	**10,959**	**11,490**	**1,531**	**13,021**	**2,140**	**1,590**	**3,730**
25. Docks, wharves, piers, breakwaters	8,616	941	9,557	10,428	634	11,062	1,135	686	1,821
26. Retaining walls, embankments, riprapping	–	7	7	15	1	16	43	1	44
27. Canals and waterways	220	57	277	10	68	78	75	28	103
28. Dredging and pile driving	40	102	142	445	123	568	40	103	143
29. Dyke construction	84	9	93	–	8	8	–	10	10
30. Logging booms	307	431	738	413	614	1,027	576	652	1,228
31. Other marine construction	86	59	145	179	63	262	271	110	381

See footnote(s) at end of table.

TABLE 10. Total Value of Construction Work Performed – New and Repair by Type of Structure by Primary Industries 1968 - 70[1,2,3,4,5] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**42,490**	**13,275**	**55,765**	**45,260**	**14,646**	**59,906**	**52,662**	**14,632**	**67,294**
32. Hard surfaced or paved streets, highways, parking lots, etc.	15,977	4,770	20,747	12,263	4,960	17,223	16,995	5,376	22,371
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	25,814	8,330	34,144	32,997	9,652	42,649	35,637	9,210	44,847
35. Grading, scraping, oiling, filling	207	105	312	–	29	29	30	40	70
36. Sidewalks, paths	466	68	534	–	–	–	–	–	–
37. Aerodromes, landing fields, runways, tarmac	26	2	28	–	5	5	–	6	6
Waterworks and sewage systems	**43,381**	**15,606**	**58,987**	**38,732**	**15,084**	**53,816**	**39,577**	**15,368**	**54,945**
38. Tile drains, drainage ditches, storm sewers	17,791	6,882	24,673	17,016	6,658	23,674	17,198	6,752	23,950
39. Water mains, hydrants and services	19,886	7,215	27,101	17,979	7,067	25,046	18,600	7,208	25,808
40. Sewage systems and connections	338	45	383	294	49	343	213	44	257
41. Pumping stations, water	2,146	308	2,454	767	270	1,037	844	303	1,147
42. Water storage tanks	3,220	1,156	4,376	2,676	1,040	3,716	2,722	1,061	3,783
Dams and irrigation	**20,249**	**7,893**	**28,142**	**19,417**	**7,629**	**27,046**	**19,577**	**7,735**	**27,312**
43. Dams and reservoirs	65	50	115	11	45	56	6	54	60
44. Irrigation and land reclamation projects	20,184	7,843	28,027	19,406	7,584	26,990	19,571	7,681	27,252
Electric power construction	**8,042**	**1,219**	**9,261**	**2,600**	**650**	**3,250**	**4,296**	**782**	**5,078**
45. Electric power generating plants, including water conveying and controlling structures	2,423	407	2,830	1,393	296	1,689	2,943	350	3,293
46. Electric transformer stations	–	–	–	–	–	–	–	–	–
47. Power transmission and distribution lines, trolley wires	5,619	811	6,430	1,207	354	1,561	1,353	431	1,784
48. Street lighting	–	1	1	–	–	–	–	1	1
Railway, telephone and telegraph	**12,967**	**6,692**	**19,659**	**1,968**	**503**	**2,471**	**376**	**432**	**808**
49. Railway tracks and roadbed	12,889	6,639	19,528	1,928	488	2,416	340	414	754
50. Signals and interlockers	–	–	–	8	–	8	4	–	4
51. Telegraph and telephone lines, underground and marine cables	78	53	131	32	15	47	32	18	50
Gas and oil facilities	**384,739**	**56,203**	**440,942**	**418,853**	**78,404**	**497,257**	**502,204**	**79,333**	**581,537**
52. Gas mains and services	–	–	–	–	–	–	–	–	–
53. Pumping stations, oil	–	–	–	–	–	–	–	–	–
54. Pumping stations, gas	–	–	–	–	–	–	–	–	–
55. Oil storage tanks	–	–	–	–	–	–	–	–	–
56. Gas storage tanks	–	–	–	–	–	–	–	–	–
57. Oil pipe lines	3	–	3	–	–	–	–	–	–
58. Gas pipe lines	–	–	–	–	–	–	–	–	–
59. Oil wells	238,285	37,181	275,466	229,053	37,244	266,297	252,901	37,322	290,223
60. Gas wells	80,211	6,153	86,364	113,481	18,763	132,244	127,677	18,160	145,837
61. Oil refinery – Processing units[3]	–	–	–	–	–	–	–	–	–
62. Natural gas cleaning plants	66,240	12,869	79,109	76,319	22,397	98,716	121,626	23,851	145,477
Other engineering construction	**253,748**	**23,836**	**277,584**	**266,858**	**16,079**	**282,937**	**278,714**	**17,203**	**295,917**
63. Bridges, trestles, culverts, overpasses, viaducts	587	209	796	1,240	364	1,604	956	233	1,189
64. Tunnels and subways	–	–	–	–	–	–	–	–	–
65. Incinerators	–	–	–	–	–	–	–	–	–
66. Park systems, landscaping, sodding, etc.	–	31	31	15	28	43	58	8	66
67. Swimming pools, tennis courts, outdoor recreation facilities	–	–	–	–	–	–	–	2	2
68. Mine shafts and other below surface workings	181,794	9,268	191,062	197,491	5,906	203,397	210,356	6,996	217,352
69. Fences, snowsheds, signs, guard rails	25,250	9,820	35,070	24,262	9,495	33,757	24,467	9,621	34,086
70. Other engineering construction	46,117	4,508	50,625	43,850	286	44,136	42,877	343	43,220

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] Primary Industries include agriculture, fishing, mining, quarrying and oil wells, forestry 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.
[4] See footnote 3, Table B.
[5] See footnote 5, Table 6.

TABLE 11. Total Value of Construction Work Performed – New and Repair by Type of Structure by Manufacturing Industry, 1968 - 70[1,2,3,4]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**657, 120**	**193, 322**	**850, 442**	**742, 543**	**196, 754**	**939, 297**	**932, 780**	**201, 810**	**1, 134, 590**
Total building construction	**431, 721**	**131, 643**	**563, 364**	**524, 823**	**131, 762**	**656, 585**	**615, 279**	**133, 816**	**749, 095**
Residential	–	–	–	–	–	–	–	–	–
Industrial	**373, 463**	**126, 078**	**499, 541**	**480, 345**	**125, 853**	**606, 198**	**575, 234**	**128, 809**	**704, 043**
2. Factories, plants, workshops, food canneries	373, 047	125, 968	499, 015	478, 787	125, 433	604, 220	573, 089	128, 461	701, 550
3. Mine and mine mill buildings	268	93	361	927	326	1, 253	2, 127	308	2, 435
4. Railway stations, offices, roadway buildings	141	12	153	624	83	707	18	21	39
5. Railway shops, engine houses, water and fuel stations	7	5	12	7	11	18	–	19	19
Commercial	**54, 352**	**4, 634**	**58, 986**	**41, 125**	**4, 349**	**45, 474**	**36, 958**	**4, 227**	**41, 185**
6. Warehouses, storehouses, refrigerated storage, etc.	27, 266	1, 132	28, 398	17, 152	1, 277	18, 429	18, 961	1, 227	20, 188
7. Grain elevators	68	23	91	2	12	14	9	17	26
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	119	99	218	29	49	78	78	53	131
9. Office buildings	15, 411	2, 750	18, 161	15, 348	2, 924	18, 272	9, 348	2, 853	12, 201
10. Stores, retail and wholesale	1, 775	456	2, 231	2, 250	42	2, 292	1, 742	31	1, 773
11. Garages and service stations	9, 705	150	9, 855	5, 841	40	5, 881	6, 780	41	6, 821
12. Theatres, arenas, amusement and recreational buildings	8	24	32	503	5	508	25	5	30
13. Laundries and dry cleaning establishments	–	–	–	–	–	–	15	–	15
Institutional	**943**	**31**	**974**	**45**	**65**	**110**	**520**	**85**	**605**
14. Schools and other educational buildings	–	3	3	–	33	33	–	1	1
15. Churches and other religious buildings	–	–	–	–	–	–	–	–	..
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	7	27	34	–	11	11	350	10	360
17. Other institutional buildings	936	1	937	45	21	66	170	74	244
Other building construction	**2, 963**	**900**	**3, 863**	**3, 308**	**1, 495**	**4, 803**	**2, 567**	**695**	**3, 262**
18. Farm buildings (excluding dwellings)	325	107	432	253	68	321	304	89	393
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	9	–	9	11	–	11	2	–	2
20. Aeroplane hangars	193	121	314	128	888	1, 016	300	171	471
21. Passenger terminals, bus, boat or air	7	193	200	8	14	22	5	10	15
22. Armouries, barracks, drill halls, etc.	–	–	–	–	–	–	–	–	–
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	1, 871	354	2, 225	1, 852	470	2, 322	1, 398	347	1, 745
24. Other building construction	558	125	683	1, 056	55	1, 111	558	78	636
Total engineering construction	**225, 399**	**61, 679**	**287, 078**	**217, 720**	**64, 992**	**282, 712**	**317, 501**	**67, 994**	**385, 495**
Marine construction	**1, 626**	**1, 620**	**3, 246**	**5, 296**	**1, 665**	**6, 961**	**10, 686**	**1, 492**	**12, 178**
25. Docks, wharves, piers, breakwaters	682	932	1, 614	4, 901	953	5, 854	9, 727	839	10, 566
26. Retaining walls, embankments, riprapping	484	4	488	235	46	281	210	22	232
27. Canals and waterways	–	18	18	5	21	26	5	3	8
28. Dredging and pile driving	2	421	423	30	458	488	54	449	503
29. Dyke construction	216	17	233	21	7	28	17	4	21
30. Logging booms	20	196	216	23	160	183	–	168	168
31. Other marine construction	222	32	254	81	20	101	673	7	680

See footnote(s) at end of table.

TABLE 11. Total Value of Construction Work Performed – New and Repair by Type of Structure by Manufacturing Industry, 1968 - 70[1,2,3,4] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**8,251**	**2,815**	**11,066**	**11,164**	**2,530**	**13,694**	**9,979**	**2,495**	**12,474**
32. Hard surfaced or paved streets, highways, parking lots, etc.	3,614	1,918	5,532	3,779	1,733	5,512	3,874	1,876	5,750
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	4,466	804	5,270	3,934	687	4,621	2,830	523	3,353
35. Grading, scraping, oiling, filling	136	59	195	3,439	86	3,525	3,225	81	3,306
36. Sidewalks, paths	23	34	57	8	24	32	–	15	15
37. Aerodromes, landing fields, runways, tarmac	12	–	12	4	–	4	50	–	50
Waterworks and sewage systems	**14,133**	**1,958**	**16,091**	**10,411**	**1,852**	**12,263**	**12,051**	**1,829**	**13,880**
38. Tile drains, drainage ditches, storm sewers	667	60	727	2,083	53	2,136	887	131	1,018
39. Water mains, hydrants and services	2,610	640	3,250	1,427	413	1,840	988	418	1,406
40. Sewage systems and connections	7,245	715	7,960	5,435	674	6,109	7,961	628	8,589
41. Pumping stations, water	3,332	462	3,794	1,157	633	1,790	1,988	580	2,568
42. Water storage tanks	279	81	360	309	79	388	227	72	299
Dams and irrigation	**704**	**101**	**805**	**153**	**69**	**222**	**322**	**54**	**376**
43. Dams and reservoirs	704	101	805	153	69	222	322	54	376
44. Irrigation and land reclamation projects[2]	–	–	–	–	–	–	–	–	–
Electric power construction	**6,431**	**2,708**	**9,139**	**9,121**	**2,493**	**11,614**	**13,635**	**2,364**	**15,999**
45. Electric power generating plants, including water conveying and controlling structures	2,900	1,509	4,409	4,668	1,605	6,273	3,180	1,377	4,557
46. Electric transformer stations	1,965	353	2,318	2,791	395	3,186	8,123	433	8,556
47. Power transmission and distribution lines, trolley wires	1,429	649	2,078	1,594	428	2,022	2,193	490	2,683
48. Street lighting	137	197	334	68	65	133	139	64	203
Railway, telephone and telegraph	**6,148**	**1,136**	**7,284**	**1,038**	**1,140**	**2,178**	**899**	**1,225**	**2,124**
49. Railway tracks and roadbed	6,062	1,065	7,127	991	1,109	2,100	870	1,188	2,058
50. Signals and interlockers	54	–	54	1	1	2	–	1	1
51. Telegraph and telephone lines, underground and marine cables	32	71	103	46	30	76	29	36	65
Gas and oil facilities	**107,419**	**48,122**	**155,541**	**98,472**	**48,067**	**146,539**	**107,014**	**50,669**	**157,683**
52. Gas mains and services	127	128	255	343	214	557	493	264	757
53. Pumping stations, oil	38	23	61	47	12	59	10	32	42
54. Pumping stations, gas	13	40	53	108	28	136	–	10	10
55. Oil storage tanks	3,028	1,819	4,847	5,788	1,496	7,284	5,163	1,790	6,953
56. Gas storage tanks	446	11	457	468	8	476	245	4	249
57. Oil pipe lines	498	109	607	970	113	1,083	979	134	1,113
58. Gas pipe lines	309	76	385	3	69	72	355	68	423
59. Oil wells	–	–	–	–	–	–	–	–	–
60. Gas wells	–	1	1	–	–	–	–	–	–
61. Oil refinery – Processing units[3]	102,960	45,915	148,875	90,745	46,127	136,872	99,769	48,367	148,136
62. Natural gas cleaning plants[2]	–	–	–	–	–	–	–	–	–
Other engineering construction	**80,687**	**3,219**	**83,906**	**82,065**	**7,176**	**89,241**	**162,915**	**7,866**	**170,781**
63. Bridges, trestles, culverts, overpasses, viaducts	727	110	837	1,336	111	1,447	851	70	921
64. Tunnels and subways	4	7	11	210	–	210	100	–	100
65. Incinerators	37	29	66	–	5	5	88	31	119
66. Park systems, landscaping, sodding, etc.	438	168	606	81	181	262	76	185	261
67. Swimming pools, tennis courts, outdoor recreation facilities	79	16	95	83	34	117	3	10	13
68. Mine shafts and other below surface workings	–	4	4	–	7	7	–	–	–
69. Fences, snowsheds, signs, guard rails	748	394	1,142	347	171	518	343	152	495
70. Other engineering construction	78,654	2,491	81,145	80,008	6,667	86,675	161,454	7,418	168,872

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] Included in "Other engineering construction".
[3] Item 61 "Oil refinery – Processing units" includes related structures employed in production of petrochemicals.
[4] See footnote 5, Table 6.

TABLE 12. Total Value of Construction Work Performed – New and Repair by Type of Structure by Utilities, 1968 - 70[1,2]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**1,773,153**	**360,991**	**2,134,144**	**1,845,288**	**363,670**	**2,208,958**	**2,090,840**	**399,445**	**2,490,285**
Total building construction	**144,815**	**48,041**	**192,856**	**171,169**	**44,253**	**215,422**	**214,023**	**48,295**	**262,318**
Residential	–	–	–	–	–	–	–	–	–
Industrial	**18,653**	**21,504**	**40,157**	**18,693**	**19,906**	**38,599**	**23,672**	**21,714**	**45,386**
2. Factories, plants, workshops, food canneries	5,678	2,737	8,415	2,475	1,435	3,910	5,445	1,795	7,240
3. Mine and mine mill buildings	–	–	–	–	–	–	–	–	–
4. Railway stations, offices, roadway buildings	7,454	11,762	19,216	8,883	11,090	19,973	9,980	11,877	21,857
5. Railway shops, engine houses, water and fuel stations	5,521	7,005	12,526	7,335	7,381	14,716	8,247	8,042	16,289
Commercial	**59,600**	**16,564**	**76,164**	**59,200**	**12,242**	**71,442**	**84,151**	**12,102**	**96,253**
6. Warehouses, storehouses, refrigerated storage, etc.	18,575	4,836	23,411	17,667	4,414	22,081	13,225	4,573	17,798
7. Grain elevators	9,493	7,165	16,658	5,630	4,141	9,771	4,925	3,861	8,786
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	634	28	662	6	25	31	–	22	22
9. Office buildings	19,535	2,774	22,309	28,003	2,527	30,530	61,128	2,172	63,300
10. Stores, retail and wholesale	530	–	530	449	40	489	807	45	852
11. Garages and service stations	10,833	1,720	12,553	7,445	1,023	8,468	3,766	1,383	5,149
12. Theatres, arenas, amusement and recreational buildings	–	41	41	–	72	72	300	46	346
13. Laundries and dry cleaning establishments	–	–	–	–	–	–	–	–	–
Institutional	**–**	**25**	**25**	**–**	**22**	**22**	**–**	**18**	**18**
14. Schools and other educational buildings	–	9	9	–	8	8	–	7	7
15. Churches and other religious buildings	–	2	2	–	1	1	–	1	1
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	–	14	14	–	13	13	–	10	10
17. Other institutional buildings	–	–	–	–	–	–	–	–	–
Other building construction	**66,562**	**9,948**	**76,510**	**93,276**	**12,083**	**105,359**	**106,200**	**14,461**	**120,661**
18. Farm buildings (excluding dwellings)	41	28	69	–	–	–	–	–	–
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	33,306	7,180	40,486	47,572	4,018	51,590	53,747	4,050	57,797
20. Aeroplane hangars	12,345	114	12,459	15,883	307	16,190	12,045	447	12,492
21. Passenger terminals, bus, boat or air	7,114	1,745	8,859	5,368	671	6,039	18,539	1,031	19,570
22. Armouries, barracks, drill halls, etc.	–	–	–	–	63	63	–	54	54
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	8,067	208	8,275	3,664	97	3,761	2,931	120	3,051
24. Other building construction	5,689	673	6,362	20,789	6,927	27,716	18,938	8,759	27,697
Total engineering construction	**1,628,338**	**312,950**	**1,941,288**	**1,674,119**	**319,417**	**1,993,536**	**1,876,817**	**351,150**	**2,227,967**
Marine construction	**35,445**	**6,949**	**42,394**	**46,865**	**6,993**	**53,858**	**34,802**	**6,650**	**41,452**
25. Docks, wharves, piers, breakwaters	16,152	3,846	19,998	22,788	2,792	25,580	19,351	2,789	22,140
26. Retaining walls, embankments, riprapping	–	102	102	1,708	–	1,708	2,500	–	2,500
27. Canals and waterways	18,349	1,761	20,110	18,798	3,393	22,191	11,693	3,402	15,095
28. Dredging and pile driving	478	721	1,199	1,084	584	1,668	138	211	349
29. Dyke construction	12	–	12	23	3	26	40	–	40
30. Logging booms	–	–	–	5	–	5	146	–	146
31. Other marine construction	454	519	973	2,459	221	2,680	934	248	1,182

See footnote(s) at end of table.

TABLE 12. Total Value of Construction Work Performed – New and Repair by Type of Structure by Utilities, 1968-70[1,2] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**12,687**	**922**	**13,609**	**7,882**	**974**	**8,856**	**11,073**	**1,340**	**12,413**
32. Hard surfaced or paved streets, highways, parking lots, etc.	11,225	748	11,973	6,771	947	7,718	10,547	1,307	11,854
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	333	80	413	50	2	52	25	12	37
35. Grading, scraping, oiling, filling	183	94	277	332	4	336	501	9	510
36. Sidewalks, paths	–	–	–	–	3	3	–	–	–
37. Aerodromes, landing fields, runways, tarmac	946	–	946	729	18	747	–	12	12
Waterworks and sewage systems	**88,732**	**24,889**	**113,621**	**68,851**	**28,094**	**96,945**	**108,129**	**29,088**	**137,217**
38. Tile drains, drainage ditches, storm sewers	656	71	727	1	54	55	20	34	54
39. Water mains, hydrants and services	62,311	21,762	84,073	52,379	22,806	75,185	65,598	23,770	89,368
40. Sewage systems and connections	5,386	126	5,512	4,203	58	4,261	17,115	55	17,170
41. Pumping stations, water	19,186	2,818	22,004	10,653	5,075	15,728	21,450	5,114	26,564
42. Water storage tanks	1,193	112	1,305	1,615	101	1,716	3,946	115	4,061
Dams and irrigation	**174,531**	**684**	**175,215**	**117,902**	**623**	**118,525**	**163,777**	**562**	**164,339**
43. Dams and reservoirs	174,531	684	175,215	117,902	621	118,523	163,777	560	164,337
44. Irrigation and land reclamation projects	–	–	–	–	2	2	–	2	2
Electric power construction	**662,892**	**67,950**	**730,842**	**747,320**	**77,170**	**824,490**	**770,472**	**88,353**	**858,825**
45. Electric power generating plants, including water conveying and controlling structures	320,532	16,590	337,122	343,924	23,523	367,447	274,664	26,885	301,549
46. Electric transformer stations	40,533	6,530	47,063	52,171	6,005	58,176	67,779	6,854	74,633
47. Power transmission and distribution lines, trolley wires	291,748	41,899	333,647	341,693	44,693	386,386	418,558	51,416	469,974
48. Street lighting	10,079	2,931	13,010	9,532	2,949	12,481	9,471	3,198	12,669
Railway, telephone and telegraph	**306,352**	**178,083**	**484,435**	**332,443**	**177,245**	**509,688**	**360,621**	**194,071**	**554,692**
49. Railway tracks and roadbed	107,587	106,246	213,833	129,245	110,277	239,522	149,645	120,210	269,855
50. Signals and interlockers	9,188	12,933	22,121	11,674	13,811	25,485	13,671	14,893	28,564
51. Telegraph and telephone lines, underground and marine cables	189,577	58,904	248,481	191,524	53,157	244,681	197,305	58,968	256,273
Gas and oil facilities	**273,831**	**21,124**	**294,955**	**270,951**	**16,617**	**287,568**	**284,412**	**18,157**	**302,569**
52. Gas mains and services	85,950	7,823	93,773	111,836	7,965	119,801	92,797	8,366	101,163
53. Pumping stations, oil	8,252	2,306	10,558	6,546	2,325	8,871	6,828	2,598	9,426
54. Pumping stations, gas	30,258	3,413	33,671	27,496	898	28,394	45,494	1,183	46,677
55. Oil storage tanks	2,534	302	2,836	1,877	154	2,031	1,115	161	1,276
56. Gas storage tanks	5,829	43	5,872	5,409	73	5,482	1,510	109	1,619
57. Oil pipe lines	40,897	3,958	44,855	31,236	2,818	34,054	11,887	3,165	15,052
58. Gas pipe lines	98,182	2,883	101,065	84,052	2,354	86,406	120,098	2,536	122,634
59. Oil wells	–	–	–	–	–	–	–	–	–
60. Gas wells	424	206	630	686	16	702	685	26	711
61. Oil refinery – Processing units	–	–	–	–	12	12	–	13	13
62. Natural gas cleaning plants	1,505	190	1,695	1,813	2	1,815	3,998	–	3,998
Other engineering construction	**73,868**	**12,349**	**86,217**	**81,905**	**11,701**	**93,606**	**143,531**	**12,929**	**156,460**
63. Bridges, trestles, culverts, overpasses, viaducts	23,218	8,029	31,247	16,793	8,426	25,219	18,375	8,981	27,356
64. Tunnels and subways	11,144	676	11,820	19,693	447	20,140	36,840	1,099	37,939
65. Incinerators	–	–	–	–	–	–	–	–	–
66. Park systems, landscaping, sodding, etc.	5	48	53	147	98	245	69	39	108
67. Swimming pools, tennis courts, outdoor recreation facilities	–	–	–	–	–	–	–	–	–
68. Mine shafts and other below surface workings	–	–	–	–	–	–	–	–	–
69. Fences, snowsheds, signs, guard rails	1,448	1,814	3,262	1,653	1,565	3,218	1,823	1,692	3,515
70. Other engineering construction	38,053	1,782	39,835	43,619	1,165	44,784	86,424	1,118	87,542

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 5, Table 6.

TABLE 13. Total Value of Construction Work Performed – New and Repair by Type of Structure by Trade Finance and Commercial Services, 1968-70[1,2,3]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**709,431**	**125,546**	**834,977**	**697,843**	**119,186**	**817,029**	**834,592**	**114,348**	**948,940**
Total building construction	**685,703**	**120,288**	**805,991**	**680,061**	**116,530**	**796,591**	**806,051**	**110,635**	**916,686**
Residential	–	–	–	–	–	–	–	–	–
Industrial	**22,431**	**1,205**	**23,636**	**20,705**	**3,756**	**24,461**	**24,044**	**2,145**	**26,189**
2. Factories, plants, workshops, food canneries	21,707	1,205	22,912	20,705	3,756	24,461	24,044	2,145	26,189
3. Mine and mine mill buildings	–	–	–	–	–	–	–	–	–
4. Railway stations, offices, roadway buildings	724	–	724	–	–	–	–	–	–
5. Railway shops, engine houses, water and fuel stations	–	–	–	–	–	–	–	–	–
Commercial	**650,211**	**118,883**	**769,094**	**650,896**	**112,360**	**763,256**	**745,840**	**108,483**	**854,323**
6. Warehouses, storehouses, refrigerated storage, etc.	61,249	10,464	71,713	44,949	8,789	53,738	44,158	8,771	52,929
7. Grain elevators	385	3	388	83	28	111	60	14	74
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	56,698	16,261	72,959	58,594	15,702	74,296	85,762	15,337	101,099
9. Office buildings	269,077	27,977	297,054	266,130	26,879	293,009	307,926	29,162	337,088
10. Stores, retail and wholesale	185,800	43,787	229,587	202,295	39,643	241,938	217,843	35,237	253,080
11. Garages and service stations	41,985	14,961	56,946	57,238	15,900	73,138	61,187	15,017	76,204
12. Theatres, arenas, amusement and recreational buildings	31,997	4,295	36,292	19,790	4,196	23,986	27,881	3,826	31,707
13. Laundries and dry cleaning establishments	3,020	1,135	4,155	1,817	1,223	3,040	1,023	1,119	2,142
Institutional	**8,190**	**10**	**8,200**	**6,276**	**407**	**6,683**	**17,605**	**7**	**17,612**
14. Schools and other educational buildings	–	–	–	–	–	–	–	–	–
15. Churches and other religious buildings	–	–	–	–	–	–	–	–	–
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	1,260	–	1,260	231	–	231	824	–	824
17. Other institutional buildings	6,930	10	6,940	6,045	407	6,452	16,781	7	16,788
Other building construction	**4,871**	**190**	**5,061**	**2,184**	**7**	**2,191**	**18,562**	**–**	**18,562**
18. Farm buildings (excluding dwellings)	254	–	254	5	7	12	–	–	–
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	–	2	2	–	–	–	300	–	300
24. Other building construction	4,617	188	4,805	2,179	–	2,179	18,262	–	18,262
Total engineering construction	**23,728**	**5,258**	**28,986**	**17,782**	**2,656**	**20,438**	**28,541**	**3,713**	**32,254**
Marine construction	**335**	**133**	**468**	**257**	**4**	**261**	**223**	**4**	**227**
25. Docks, wharves, piers, breakwaters	301	133	434	161	4	165	152	4	156
26. Retaining walls, embankments, riprapping	23	–	23	46	–	46	60	–	60
27. Canals and waterways	–	–	–	–	–	–	–	–	–
28. Dredging and pile driving	2	–	2	–	–	–	–	–	–
29. Dyke construction	3	–	3	50	–	50	11	–	11
30. Logging booms	–	–	–	–	–	–	–	–	–
31. Other marine construction	6	–	6	–	–	–	–	–	–

See footnote(s) at end of table.

TABLE 13. Total Value of Construction Work Performed – New and Repair by Type of Structure by Trade Finance and Commercial Services, 1968 - 70[1][2] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**6,966**	**893**	**7,859**	**4,368**	**1,260**	**5,628**	**6,920**	**1,340**	**8,260**
32. Hard surfaced or paved streets, highways, parking lots, etc	5 646	861	6,507	3,214	948	4,162	6,184	1,327	7,511
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	2	14	16	278	–	278	40	–	40
35. Grading, scraping, oiling, filling	1,260	10	1,270	692	12	704	513	13	526
36. Sidewalks, paths	58	8	66	184	300	484	183	–	183
37. Aerodromes, landing fields, runways, tarmac	–	–	–	–	–	–	–	–	–
Waterworks and sewage systems	**4,163**	**17**	**4,180**	**5,142**	**14**	**5,156**	**10,803**	**968**	**11,771**
38. Tile drains, drainage ditches, storm sewers	2,697	11	2,708	2,388	6	2,394	5,713	961	6,674
39. Water mains, hydrants and services	724	–	724	1,461	2	1,463	2,529	–	2,529
40. Sewage systems and connections	348	8	354	1,013	8	1,019	2,452	7	2,459
41. Pumping stations, water	394	–	394	278	–	278	100	–	100
42. Water storage tanks	–	–	–	2	–	2	9	–	9
Dams and irrigation	**–**	**–**	**–**	**74**	**–**	**74**	**61**	**–**	**61**
43. Dams and reservoirs	–	–	–	–		–	–	–	–
44. Irrigation and land reclamation projects	–	–	–	74		74	61	–	61
Electric power construction	**367**	**49**	**416**	**215**	**–**	**215**	**928**	**–**	**928**
45. Electric power generating plants, including water conveying and controlling structures	37	–	37	–	–	–	–	–	–
46. Electric transformer stations	1	–	1	20	–	20	–	–	–
47. Power transmission and distribution lines, trolley wires	105	–	105	103	–	103	197	–	197
48. Street lighting	224	49	273	92	–	92	731	–	731
Railway, telephone and telegraph	**51**	**–**	**51**	**12**	**6**	**18**	**61**	**–**	**61**
49. Railway tracks and roadbed	51	–	51	12	6	18	61	–	61
50. Signals and interlockers	–	–	–	–	–	–	–	–	–
51. Telegraph and telephone lines, underground and marine cables	–	–	–	–	–	–	–	–	–
Gas and oil facilities	**8,263**	**634**	**8,897**	**6,822**	**1,288**	**8,110**	**7,573**	**1,304**	**8,877**
52. Gas mains and services	–	–	–	–	–	–	148	–	148
53. Pumping stations, oil	–	–	–	409	145	554	451	155	606
54. Pumping stations, gas	–	–	–	118	109	227	97	120	217
55. Oil storage tanks	7,240	628	7,868	5,439	928	6,367	5,876	915	6,791
56. Gas storage tanks	706	3	709	717	106	823	878	114	992
57. Oil pipe lines	167	3	170	134	–	134	87	–	87
58. Gas pipe lines	150	–	150	5	–	5	36	–	36
59. Oil wells	–	–	–	–	–	–	–	–	–
60. Gas wells	–	–	–	–	–	–	–	–	–
61. Oil refinery – Processing units	–	–	–	–	–	–	–	–	–
62. Natural gas cleaning plants[3]	–	–	–	–	–	–	–	–	–
Other engineering construction	**3,583**	**3,532**	**7,115**	**892**	**84**	**976**	**1,972**	**97**	**2,069**
63. Bridges, trestles, culverts, overpasses, viaducts	1	–	1	–	–	–	227	–	227
64. Tunnels and subways	–	–	–	25	–	25	349	–	349
65. Incinerators	–	–	–	–	–	–	–	–	–
66. Park systems, landscaping, sodding, etc.	803	18	821	195	12	207	279	13	292
67. Swimming pools, tennis courts, outdoor recreation facilities	152	572	724	97	–	97	439	–	439
68. Mine shafts and other below surface workings	–	–	–	–	–	–	–	–	–
69. Fences, snowsheds, signs, guard rails	503	40	543	208	37	245	372	38	410
70. Other engineering construction	2,124	2,902	5,026	367	35	402	306	46	352

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] Included in "Other engineering construction".
[3] See footnote 5, Table 6.

TABLE 14. Total Value of Construction Work Performed – New and Repair by Type of Structure by Federal Government Departments, 1968-70[1,2]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**339,259**	**91,819**	**431,078**	**364,631**	**58,644**	**423,275**	**421,733**	**59,770**	**481,503**
Total building construction	**163,283**	**57,520**	**220,803**	**155,553**	**36,709**	**192,262**	**176,223**	**37,323**	**213,546**
2. Factories, plants, workshops, food canneries	9,426	16,084	25,510	7,991	11,061	19,052	9,144	11,261	20,405
6. Warehouses, storehouses, refrigerated storage, etc.	4,515	3,161	7,676	4,778	1,795	6,573	4,985	1,827	6,812
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	1,874	2,059	3,933	1,251	1,099	2,350	1,325	1,110	2,435
9. Office buildings	67,114	13,113	80,227	61,129	9,069	70,198	72,457	9,089	81,548
10. Stores, retail and wholesale	45	541	586	41	238	279	50	241	291
11. Garages and service stations	1,196	791	1,989	1,139	396	1,535	1,324	403	1,727
12. Theatres, arenas, amusement and recreational buildings	15,007	1,229	16,236	13,168	681	13,849	16,509	698	17,207
14. Schools and other educational buildings	13,976	1,571	15,547	14,472	821	15,293	15,833	836	16,669
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	11,296	2,031	13,327	13,278	1,281	14,559	12,600	1,333	13,933
17. Other institutional buildings	11,787	608	12,395	11,895	264	12,159	12,551	274	12,825
18. Farm buildings (excluding dwellings)	491	356	847	478	229	707	624	236	860
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	2,310	379	2,689	2,269	183	2,452	2,511	180	2,691
20. Aeroplane hangars	1,004	2,338	3,342	1,034	1,349	2,383	1,176	1,391	2,567
21. Passenger terminals, bus, boat or air	3,756	480	4,236	3,839	709	4,548	4,011	745	4,756
22. Armouries, barracks, drill halls, etc.	2,306	9,234	11,540	2,217	5,478	7,695	2,618	5,607	8,225
24. Other building construction	17,178	3,545	20,723	16,574	2,056	18,630	18,505	2,092	20,597
Total engineering construction	**175,976**	**34,299**	**210,275**	**209,078**	**21,935**	**231,013**	**245,510**	**22,447**	**267,957**
25. Docks, wharves, piers, breakwaters	24,853	6,136	30,989	20,243	4,235	24,478	21,630	4,225	25,855
26. Retaining walls, embankments, riprapping	4,320	542	4,862	4,895	353	5,248	4,858	365	5,223
27. Canals and waterways	3,604	887	4,491	3,586	569	4,155	3,872	574	4,446
28. Dredging and pile driving	3,294	438	3,732	3,294	271	3,565	3,502	272	3,774
29. Dyke construction	1,154	313	1,467	976	120	1,096	1,055	124	1,179
31. Other marine construction	4,559	882	5,441	4,664	881	5,545	4,901	917	5,818
32. Hard surfaced or paved streets, highways, parking lots, etc.	28,184	5,150	33,334	29,273	3,107	32,380	31,240	3,192	34,432
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	451	311	762	464	186	650	502	193	695
35. Grading, scraping, oiling, filling	29	393	422	32	240	272	45	255	300
37. Aerodromes, landing fields, runways, tarmac	8,269	1,646	9,915	8,448	901	9,349	9,450	932	10,382
38. Tile drains, drainage ditches, storm sewers	446	471	917	398	240	638	468	244	712
39. Water mains, hydrants and services	5,335	1,201	6,536	5,309	690	5,999	5,850	712	6,562
40. Sewage systems and connections	2,086	744	2,830	2,077	429	2,506	2,278	440	2,718
43. Dams and reservoirs	12,814	1,508	14,322	12,777	704	13,481	16,598	753	17,351
44. Irrigation and land reclamation projects	847	1,007	1,854	900	479	1,379	1,051	501	1,552
45. Electric power generating plants, including water conveying and controlling structures	25,141	1,821	26,962	19,609	1,096	20,705	10,319	1,131	11,450
46. Electric transformer stations	101	50	151	98	35	133	113	36	149
47. Power transmission and distribution lines, trolley wires	33,288	1,041	34,329	62,991	781	63,772	68,281	809	69,090
55. Oil storage tanks	109	306	415	106	102	208	110	103	213
63. Bridges, trestles, culverts, overpasses, viaducts	2,038	532	2,570	1,984	335	2,319	2,230	337	2,567
66. Park systems, landscaping, sodding, etc.	8,008	2,849	10,857	7,921	1,719	9,640	8,907	1,761	10,668
67. Swimming pools, tennis courts, outdoor recreation facilities	712	882	1,594	725	453	1,178	826	457	1,283
69. Fences, snowsheds, signs, guard rails	774	306	1,080	770	185	955	974	189	1,163
70. Other engineering construction	5,560	4,883	10,443	17,538	3,824	21,362	46,450	3,925	50,375

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 5, Table 6.

TABLE 15. Total Value of Construction Work Performed – New and Repair by Type of Structure by Provincial Government Departments, 1968 - 70[1,2]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**784,452**	**258,954**	**1,043,406**	**795,451**	**247,242**	**1,042,693**	**849,149**	**259,053**	**1,108,202**
Total building construction	**86,063**	**26,930**	**112,993**	**70,059**	**20,646**	**90,705**	**88,817**	**22,347**	**111,164**
6. Warehouses, storehouses, refrigerated storage, etc.	3,037	772	3,809	4,599	1,534	6,133	3,262	1,105	4,367
9. Office buildings	36,897	9,982	46,879	27,491	9,556	37,047	39,650	10,682	50,332
10. Stores, retail and wholesale	6	37	43	–	29	29	–	–	–
17. Other institutional buildings	30,591	9,247	39,838	17,571	5,943	23,514	20,499	6,921	27,420
24. Other building construction	15,532	6,892	22,424	20,398	3,584	23,982	25,406	3,639	29,045
Total engineering construction	**698,389**	**232,024**	**930,413**	**725,392**	**226,596**	**951,988**	**760,332**	**236,706**	**997,038**
25. Docks, wharves, piers, breakwaters	1,667	463	2,130	3,723	1,232	4,955	2,289	1,522	3,811
26. Retaining walls, embankments, riprapping	8,495	4,258	12,753	9,649	3,690	13,339	10,665	3,824	14,489
31. Other marine construction	7,008	4,309	11,317	1,595	4,422	6,017	6,857	4,619	11,476
32. Hard surfaced or paved streets, highways, parking lots, etc. 33. Gravel or stone streets, highways, roads, parking lots, etc.	464,656	155,335	619,991	456,322	147,615	603,937	460,569	154,308	614,877
34 Dirt, clay or other streets, roads, parking lots, etc.	9,897	20,353	30,250	22,826	17,225	40,051	25,631	17,921	43,552
35. Grading, scraping, oiling, filling	35,725	16,823	52,548	41,223	20,881	62,104	45,339	21,492	66,831
38. Tile drains, drainage ditches, storm sewers	9,024	4,363	13,387	12,218	4,151	16,369	12,459	4,658	17,117
39. Water mains, hydrants and services	1,660	69	1,729	3,548	146	3,694	3,855	161	4,016
40. Sewage systems and connections	1,435	1,011	2,446	1,720	881	2,601	3,369	919	4,308
43. Dams and reservoirs	6,453	95	6,548	10,237	129	10,366	10,368	170	10,538
44. Irrigation and land reclamation projects	2,688	411	3,099	3,275	169	3,444	3,753	146	3,899
47. Power transmission and distribution lines, trolley wires	11	–	11	704	56	760	628	61	689
51. Telegraph and telephone lines, underground and marine cables	1,917	37	1,954	637	–	637	696	–	696
63. Bridges, trestles, culverts, overpasses, viaducts	118,355	17,452	135,807	122,895	17,845	140,740	135,397	18,360	153,757
66. Park systems, landscaping, sodding, etc.	4,981	2,872	7,853	7,911	4,055	11,966	8,489	4,205	12,694
67. Swimming pools, tennis courts, outdoor recreation facilities	270	76	346	2,467	772	3,239	2,442	831	3,273
69. Fences, snowsheds, signs, guard rails	3,257	1,830	5,087	4,541	1,508	6,049	6,168	1,602	7,770
70. Other engineering construction	20,890	2,267	23,157	19,901	1,819	21,720	21,338	1,907	23,245

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 5, Table 6.

TABLE 16. Total Value of Construction Work Performed – New and Repair by Type of Structure by Municipal Government Departments, 1968-70[1,2]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**555,299**	**176,811**	**732,110**	**613,338**	**171,592**	**784,930**	**701,564**	**206,617**	**908,181**
Total building construction	**79,950**	**8,558**	**88,508**	**89,378**	**9,666**	**99,044**	**127,664**	**11,036**	**138,700**
9. Office buildings	14,148	3,065	17,213	13,031	2,985	16,016	20,141	3,769	23,910
12. Theatres, arenas, amusement and recreational buildings	32,219	3,001	35,220	31,965	3,695	35,660	45,312	4,193	49,505
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	7,068	529	7,597	9,273	916	10,189	11,863	545	12,408
17. Other institutional buildings	7,511	1,073	8,584	11,573	939	12,512	18,192	1,265	19,457
24. Other building construction	19,004	890	19,894	23,536	1,131	24,667	32,156	1,264	33,420
Total engineering construction	**475,349**	**168,253**	**643,602**	**523,960**	**161,926**	**685,886**	**573,900**	**195,581**	**769,481**
32. Hard surfaced or paved streets, highways, parking lots, etc.	216,881	104,977	321,858	220,054	96,572	316,626	230,779	117,070	347,849
36. Sidewalks, paths	14,600	7,993	22,593	14,211	8,299	22,510	14,454	9,800	24,254
40. Sewage systems and connections	153,306	28,360	181,666	179,774	25,799	205,573	210,522	30,678	241,200
48. Street lighting	5,535	1,856	7,391	7,029	2,074	9,103	6,762	2,320	9,082
63. Bridges, trestles, culverts, overpasses, viaducts	52,913	3,488	56,401	59,295	3,530	62,825	49,370	5,535	54,905
70. Other engineering construction	32,114	21,579	53,693	43,597	25,652	69,249	62,013	30,178	92,191

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 5, Table 6.

TABLE 17. Total Value of Construction Work Performed – New and Repair by Residential and Institutional Services, 1968-70[1,2]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Residential:									
Total value of construction	**2,806,423**	**780,334**	**3,586,757**	**3,370,000**	**844,000**	**4,214,000**	**3,200,000**	**864,600**	**4,064,600**
Institutional:									
Total value of construction	**1,196,900**	**90,530**	**1,287,430**	**1,152,408**	**105,490**	**1,257,898**	**1,242,438**	**108,612**	**1,351,050**
Total building construction	**1,184,220**	**90,145**	**1,274,365**	**1,142,076**	**104,775**	**1,246,851**	**1,229,319**	**107,701**	**1,337,020**
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	–	46	46	–	–	–	–	19	19
9. Office buildings	–	26	26	50	38	88	–	72	72
12. Theatres, arenas, amusement and recreational buildings	1,406	22	1,428	1,755	29	1,784	4,509	41	4,550
14. Schools and other educational buildings	915,390	52,461	967,851	883,015	61,263	944,278	914,693	63,703	978,396
15. Churches and other religious buildings	35,602	7,091	42,693	24,959	11,173	36,132	23,723	7,416	31,139
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	193,686	27,302	220,988	200,628	29,444	230,072	243,887	33,904	277,791
17. Other institutional buildings	37,984	3,162	41,146	30,324	2,636	32,960	41,538	2,306	43,844
18. Farm buildings (excluding dwellings)	9	33	42	93	37	130	50	50	100
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	–	–	–	257	128	385	76	156	232
24. Other building construction	143	2	145	995	27	1,022	843	34	877
Total engineering construction	**12,680**	**385**	**13,065**	**10,332**	**715**	**11,047**	**13,119**	**911**	**14,030**

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 5, Table 6.

TABLE 18. Total Value of Construction Work Performed – New and Repair by Type of Structure – Newfoundland, 1968 - 70[1,2,3]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**265,914**	**42,743**	**308,657**	**308,588**	**54,905**	**363,493**	**362,202**	**60,991**	**423,193**
Total building construction	**105,663**	**26,377**	**132,040**	**81,667**	**43,412**	**125,079**	**96,881**	**48,449**	**145,330**
Residential	52,105	13,425	65,530	52,100	14,400	66,500	50,600	15,500	66,100
Industrial	8,161	5,940	14,101	4,741	16,520	21,261	5,246	18,545	23,791
Commercial	14,418	2,980	17,398	8,110	4,246	12,356	11,515	4,228	15,743
Institutional	21,670	3,607	25,277	10,546	1,787	12,333	22,971	2,013	24,984
Other building construction	9,309	425	9,734	6,170	6,459	12,629	6,549	8,163	14,712
Total engineering construction	**160,251**	**16,366**	**176,617**	**226,921**	**11,493**	**238,414**	**265,321**	**12,542**	**277,863**
Marine construction	6,380	1,221	7,601	5,315	996	6,311	2,014	900	2,914
Road, highway and aerodrome construction	46,757	7,926	54,683	47,704	6,848	54,552	30,424	8,005	38,429
Waterworks and sewage systems	3,963	338	4,301	587	68	655	1,151	89	1,240
Dams and irrigation[2] / Electric power construction[2]	62,780	1,720	64,500	117,217	1,127	118,344	144,158	1,328	145,486
Railway, telephone and telegraph	3,614	2,309	5,923	3,858	1,497	5,355	5,116	1,108	6,224
Gas and oil facilities	1,076	323	1,399	8,545	219	8,764	25,382	202	25,584
Other engineering construction[2]	35,681	2,529	38,210	43,695	738	44,433	57,076	910	57,986

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] "Other engineering" includes expenditures which were applicable to "Electric power construction," "Dams and irrigation" and other types of structures but could not be specifically allocated to those categories.
[3] See footnote 5, Table 6.

TABLE 19. Total Value of Construction Work Performed – New and Repair by Type of Structure – Prince Edward Island, 1968 - 70[1,2]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**25,260**	**8,630**	**33,890**	**27,549**	**8,741**	**36,290**	**31,218**	**8,934**	**40,152**
Total building construction	**13,024**	**5,710**	**18,734**	**15,316**	**5,516**	**20,832**	**16,063**	**5,738**	**21,801**
Residential	6,909	2,724	9,633	10,800	3,000	13,800	10,400	3,300	13,700
Industrial	325	476	801	285	421	706	449	399	848
Commercial	1,285	747	2,032	1,958	593	2,551	1,223	552	1,775
Institutional	3,485	641	4,126	1,337	445	1,782	2,749	406	3,155
Other building construction	1,020	1,122	2,142	936	1,057	1,993	1,242	1,081	2,323
Total engineering construction	**12,236**	**2,920**	**15,156**	**12,233**	**3,225**	**15,458**	**15,155**	**3,196**	**18,351**
Marine construction	457	158	615	676	106	782	1,302	108	1,410
Road, highway and aerodrome construction	7,168	1,449	8,617	7,959	1,558	9,517	6,459	1,411	7,870
Waterworks and sewage systems	274	279	553	494	282	776	1,991	275	2,266
Dams and irrigation	89	103	192	124	108	232	115	110	225
Electric power construction	3,313	398	3,711	1,677	520	2,197	2,335	582	2,917
Railway, telephone and telegraph	540	214	754	622	199	821	724	227	951
Gas and oil facilities	82	7	89	164	49	213	1,566	51	1,617
Other engineering construction	313	312	625	517	403	920	663	432	1,095

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 5, Table 6.

TABLE 20. Total Value of Construction Work Performed – New and Repair by Type of Structure – Nova Scotia, 1968 - 70[1,2,3,4,5]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**305,636**	**76,459**	**382,095**	**377,403**	**70,479**	**447,882**	**386,732**	**71,836**	**458,568**
Total building construction	**149,415**	**42,788**	**192,203**	**211,498**	**40,656**	**252,154**	**245,800**	**40,661**	**286,461**
Residential	**60,451**	**20,640**	**81,091**	**93,400**	**22,200**	**115,600**	**101,700**	**23,500**	**125,200**
Industrial	**11,693**	**5,102**	**16,795**	**19,981**	**6,587**	**26,568**	**60,387**	**5,102**	**65,489**
2. Factories, plants, workshops, food canneries	11,101	4,596	15,697	17,309	4,793	22,102	56,763	3,257	60,020
3. Mine and mine mill buildings	336	153	489	2,284	1,386	3,670	3,224	1,407	4,631
4. Railway stations, offices, roadway buildings	162	229	391	227	242	469	236	260	496
5. Railway shops, engine houses, water and fuel stations	94	124	218	161	166	327	164	178	342
Commercial	**21,060**	**9,156**	**30,216**	**29,593**	**5,210**	**34,803**	**23,848**	**5,075**	**28,923**
6. Warehouses, storehouses, refrigerated storage, etc.	1,706	1,454	3,160	436	581	1,017	722	605	1,327
7. Grain elevators	80	62	142	2	69	71	3	83	86
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	3,942	965	4,907	2,449	662	3,111	2,541	1,139	3,680
9. Office buildings	4,643	3,303	7,946	7,780	1,144	8,924	13,469	1,314	14,783
10. Stores, retail and wholesale	7,774	1,459	9,233	17,246	1,653	18,899	5,006	1,002	6,008
11. Garages and service stations	1,196	943	2,139	1,004	498	1,502	1,408	423	1,831
12. Theatres, arenas, amusement and recreational buildings	1,506	949	2,455	667	570	1,237	694	476	1,170
13. Laundries and dry cleaning establishments	213	21	234	9	33	42	5	33	38
Institutional	**50,643**	**4,104**	**54,747**	**62,690**	**3,919**	**66,609**	**54,709**	**4,186**	**58,895**
14. Schools and other educational buildings	34,839	2,334	37,173	48,611	2,224	50,835	45,727	2,646	46,373
15. Churches and other religious buildings	403	230	633	190	489	679	52	208	260
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	12,799	813	13,612	11,136	985	12,121	5,073	1,056	6,129
17. Other institutional buildings	2,602	727	3,329	2,753	221	2,974	3,857	276	4,133
Other building construction	**5,568**	**3,786**	**9,354**	**5,834**	**2,740**	**8,574**	**5,156**	**2,798**	**7,954**
18. Farm buildings (excluding dwellings)	1,844	1,097	2,941	2,037	1,191	3,228	2,166	1,244	3,410
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	1,513	382	1,895	586	120	706	455	113	568
20. Aeroplane hangars	71	431	502	57	143	200	59	145	204
21. Passenger terminals, bus, boat or air	–	5	5	–	13	13	–	3	3
22. Armouries, barracks, drill halls, etc.	517	1,372	1,889	416	453	869	427	456	885
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	20	5	25	1,109	9	1,118	493	10	503
24. Other building construction	1,603	494	2,097	1,629	811	2,440	1,556	825	2,381
Total engineering construction	**156,221**	**33,671**	**189,892**	**165,905**	**29,823**	**195,728**	**140,932**	**31,175**	**172,107**
Marine construction	**4,222**	**1,785**	**6,007**	**8,568**	**840**	**9,408**	**15,504**	**778**	**16,282**
25. Docks, wharves, piers, breakwaters	3,247	1,188	4,435	7,783	643	8,426	14,698	578	15,276
26. Retaining walls, embankments, riprapping	40	170	210	32	56	88	33	57	90
27. Canals and waterways	–	1	1	–	–	–	–	–	–
28. Dredging and pile driving	65	35	100	52	12	64	53	12	65
29. Dyke construction	611	211	822	492	70	562	505	71	576
30. Logging booms	–	–	–	–	–	–	–	–	–
31. Other marine construction	259	180	439	209	59	268	215	60	275

See footnote(s) at end of table.

TABLE 20. Total Value of Construction Work Performed – New and Repair by Type of Structure – Nova Scotia, 1968 - 70[1,2,3,4,5] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**44,551**	**11,568**	**56,119**	**43,984**	**16,476**	**60,460**	**43,317**	**16,674**	**59,991**
32. Hard surfaced or paved streets, highways, parking lots, etc.	43,348	11,125	54,473	40,610	15,866	56,476	39,922	16,082	56,004
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	593	76	669	717	407	1,124	888	364	1,252
35. Grading, scraping, oiling, filling	23	1	24	2,036	10	2,046	2,189	10	2,199
36. Sidewalks, paths	495	72	567	547	96	643	242	120	362
37. Aerodromes, landing fields, runways, tarmac	92	294	386	74	97	171	76	98	174
Waterworks and sewage systems	**5,624**	**2,058**	**7,682**	**5,742**	**1,259**	**7,001**	**7,401**	**1,395**	**8,796**
38. Tile drains, drainage ditches, storm sewers	208	291	499	283	186	469	358	192	550
39. Water mains, hydrants and services	2,623	1,174	3,797	2,751	634	3,385	3,033	732	3,765
40. Sewage systems and connections	2,685	527	3,212	2,404	393	2,797	3,252	443	3,695
41. Pumping stations, water	78	38	116	21	28	49	375	9	384
42. Water storage tanks	30	28	58	283	18	301	383	19	402
Dams and irrigation	**563**	**263**	**826**	**596**	**157**	**753**	**1,029**	**190**	**1,219**
43. Dams and reservoirs	336	130	466	272	11	283	708	38	746
44. Irrigation and land reclamation projects	227	133	360	324	146	470	321	152	473
Electric power construction	**26,017**	**2,757**	**28,774**	**33,485**	**1,993**	**35,478**	**23,383**	**2,605**	**25,988**
45. Electric power generating plants, including water conveying and controlling structures	17,111	477	17,588	21,803	382	22,185	5,462	230	5,692
46. Electric transformer stations	821	348	1,169	1,387	293	1,680	6,207	267	6,474
47. Power transmission and distribution lines, trolley wires	7,627	1,791	9,418	9,627	1,165	10,792	11,149	1,958	13,107
48. Street lighting	458	141	599	668	153	821	565	150	715
Railway, telephone and telegraph	**7,205**	**3,969**	**11,174**	**7,733**	**3,935**	**11,668**	**8,802**	**4,255**	**13,057**
49. Railway tracks and roadbed	1,749	2,326	4,075	2,462	2,466	4,928	3,181	2,633	5,814
50. Signals and interlockers	184	272	456	296	319	615	310	343	653
51. Telegraph and telephone lines, underground and marine cables	5,272	1,371	6,643	4,975	1,150	6,125	5,311	1,279	6,590
Gas and oil facilities	**569**	**349**	**918**	**178**	**209**	**387**	**222**	**220**	**442**
52. Gas mains and services	–	–	–	–	–	–	–	–	–
53. Pumping stations, oil	–	–	–	–	–	–	–	–	–
54. Pumping stations, gas	–	–	–	88	109	197	97	120	217
55. Oil storage tanks	516	343	859	90	100	190	125	100	225
56. Gas storage tanks	30	1	31	–	–	–	–	–	–
57. Oil pipe lines	23	5	28	–	–	–	–	–	–
58. Gas pipe lines	–	–	–	–	–	–	–	–	–
59. Oil wells	–	–	–	–	–	–	–	–	–
60. Gas wells	–	–	–	–	–	–	–	–	–
61. Oil refinery – Processing units[3]	–	–	–	–	–	–	–	–	–
62. Natural gas cleaning plants	–	–	–	–	–	–	–	–	–
Other engineering construction[4]	**67,470**	**10,922**	**78,392**	**65,619**	**4,954**	**70,573**	**41,274**	**5,058**	**46,332**
63. Bridges, trestles, culverts, overpasses, viaducts	–	–	–	–	–	–	–	–	–
64. Tunnels and subways	–	–	–	–	–	–	–	–	–
65. Incinerators	–	–	–	–	–	–	–	–	–
66. Park systems, landscaping, sodding, etc.	–	–	–	–	–	–	–	–	–
67. Swimming pools, tennis courts, outdoor recreation facilities	–	–	–	–	–	–	–	–	–
68. Mine shafts and other below surface workings	–	–	–	–	–	–	–	–	–
69. Fences, snowsheds, signs, guard rails	–	–	–	–	–	–	–	–	–
70. Other engineering construction	–	–	–	–	–	–	–	–	–

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Included in "Other engineering construction".
[4] This year, all types of structures usually published separately under the group heading "Other engineering construction" are aggregated to meet the secrecy provisions of the Statistics Act.
[5] See footnote 5, Table 6.

TABLE 21. Total Value of Construction Work Performed – New and Repair by Type of Structure – New Brunswick, 1968-70[1,2,3,4]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**218,505**	**55,801**	**274,306**	**227,001**	**55,365**	**282,366**	**246,353**	**58,071**	**304,424**
Total building construction	**133,800**	**30,050**	**163,850**	**142,476**	**32,381**	**174,857**	**150,164**	**34,457**	**184,621**
Residential	**53,701**	**15,880**	**69,581**	**66,300**	**17,900**	**84,200**	**66,800**	**19,000**	**85,800**
Industrial	**14,164**	**3,831**	**17,995**	**23,268**	**4,021**	**27,289**	**28,040**	**3,017**	**31,057**
2. Factories, plants, workshops, food canneries	11,160	3,025	14,185	20,413	3,123	23,536	24,141	2,058	26,199
3. Mine and mine mill buildings	1,844	53	1,897	2,200	100	2,300	3,184	102	3,286
4. Railway stations, offices, roadway buildings	1,009	509	1,518	376	470	846	413	505	918
5. Railway shops, engine houses, water and fuel stations	151	244	395	279	328	607	302	352	654
Commercial	**22,652**	**4,695**	**27,347**	**17,122**	**5,144**	**22,266**	**12,598**	**5,311**	**17,909**
6. Warehouses, storehouses, refrigerated storage, etc.	1,922	551	2,473	2,168	491	2,659	2,677	355	3,032
7. Grain elevators	2	46	48	4	24	28	4	14	18
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	567	220	787	438	241	679	337	265	602
9. Office buildings	9,139	1,926	11,065	4,023	2,726	6,749	5,702	3,139	8,841
10. Stores, retail and wholesale	8,366	892	9,258	8,336	816	9,152	2,665	769	3,434
11. Garages and service stations	1,225	741	1,966	1,050	640	1,690	998	603	1,601
12. Theatres, arenas, amusement and recreational buildings	1,340	294	1,634	1,010	201	1,211	215	160	375
13. Laundries and dry cleaning establishments	91	25	116	93	5	98	–	6	6
Institutional	**39,225**	**3,363**	**42,588**	**32,350**	**3,560**	**35,910**	**37,907**	**5,333**	**43,240**
14. Schools and other educational buildings	29,855	1,595	31,450	25,440	2,043	27,483	29,141	3,324	32,465
15. Churches and other religious buildings	705	588	1,293	788	332	1,120	1,896	325	2,221
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	5,697	1,002	6,699	4,950	1,047	5,997	4,540	1,475	6,015
17. Other institutional buildings	2,968	178	3,146	1,172	138	1,310	2,330	209	2,539
Other building construction	**4,058**	**2,281**	**6,339**	**3,436**	**1,756**	**5,192**	**4,819**	**1,796**	**6,615**
18. Farm buildings (excluding dwellings)	1,400	949	2,349	1,397	944	2,341	1,463	988	2,451
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	1,544	112	1,656	1,097	162	1,259	2,247	166	2,413
20. Aeroplane hangars	31	200	231	80	92	172	30	96	126
21. Passenger terminals, bus, boat or air	–	3	3	–	4	4	–	4	4
22. Armouries, barracks, drill halls, etc.	63	653	716	57	301	358	61	312	373
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	129	205	334	69	190	259	246	164	410
24. Other building construction	891	159	1,050	736	63	799	772	66	838
Total engineering construction	**84,705**	**25,751**	**110,456**	**84,525**	**22,984**	**107,509**	**96,189**	**23,614**	**119,803**
Marine construction	**5,886**	**789**	**6,675**	**15,372**	**294**	**15,666**	**9,251**	**294**	**9,545**
25. Docks, wharves, piers, breakwaters	4,743	549	5,292	14,253	109	14,362	8,090	126	8,216
26. Retaining walls, embankments, riprapping	7	86	93	6	1	7	7	1	8
27. Canals and waterways	–	–	–	–	–	–	–	–	–
28. Dredging and pile driving	593	22	615	536	105	641	574	98	672
29. Dyke construction	353	75	428	319	35	354	341	37	378
30. Logging booms	–	52	52	–	42	42	–	22	22
31. Other marine construction	190	5	195	258	2	260	239	10	249

See footnote(s) at end of table.

TABLE 21. Total Value of Construction Work Performed – New and Repair by Type of Structure – New Brunswick, 1968-70[1,2,3,4] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**23,562**	**11,119**	**34,681**	**22,787**	**12,007**	**34,794**	**29,171**	**12,150**	**41,321**
32. Hard surfaced or paved streets, highways, parking lots, etc.	22,099	10,285	32,384	21,081	11,226	32,307	26,747	11,616	38,363
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	596	597	1,193	809	337	1,146	1,614	355	1,969
35. Grading, scraping, oiling, filling	9	9	18	20	8	28	47	6	53
36. Sidewalks, paths	252	108	360	330	385	715	178	120	298
37. Aerodromes, landing fields, runways, tarmac	606	120	726	547	51	598	585	53	838
Waterworks and sewage systems	**4,014**	**1,770**	**5,784**	**3,540**	**896**	**4,436**	**5,129**	**1,195**	**6,324**
38. Tile drains, drainage ditches, storm sewers	206	136	342	227	160	387	329	537	866
39. Water mains, hydrants and services	1,376	1,217	2,593	1,353	277	1,630	1,232	203	1,435
40. Sewage systems and connections	1,628	393	2,021	1,831	433	2,284	3,331	429	3,760
41. Pumping stations, water	683	6	669	61	12	73	140	4	144
42. Water storage tanks	141	18	159	68	14	82	97	22	119
Dams and irrigation	**351**	**131**	**482**	**547**	**123**	**670**	**614**	**130**	**744**
43. Dams and reservoirs	181	15	196	147	7	154	157	9	166
44. Irrigation and land reclamation projects	170	116	286	400	116	516	457	121	578
Electric power construction	**27,307**	**1,822**	**29,129**	**17,452**	**898**	**18,350**	**20,507**	**956**	**21,463**
45. Electric power generating plants, including water conveying and controlling structures	16,836	458	17,294	1,978	199	2,175	663	202	865
46. Electric transformer stations	1,445	107	1,552	574	3	577	5,043	1	5,044
47. Power transmission and distribution lines, trolley wires	8,763	1,162	9,925	13,757	637	14,394	13,949	678	14,627
48. Street lighting	263	95	358	1,145	59	1,204	852	75	927
Railway, telephone and telegraph	**7,742**	**6,325**	**14,067**	**10,517**	**6,320**	**16,837**	**12,149**	**6,789**	**18,938**
49. Railway tracks and roadbed	3,124	4,467	7,591	4,109	4,674	8,783	4,503	5,016	9,519
50. Signals and interlockers	291	584	875	505	628	1,133	554	675	1,229
51. Telegraph and telephone lines, underground and marine cables	4,327	1,274	5,601	5,903	1,018	6,921	7,092	1,098	8,190
Gas and oil facilities	**808**	**28**	**836**	**473**	**74**	**547**	**3,226**	**95**	**3,321**
52. Gas mains and services	6	–	6	9	–	9	–	–	–
53. Pumping stations, oil	–	–	–	246	74	320	281	80	361
54. Pumping stations, gas	–	–	–	–	–	–	–	–	–
55. Oil storage tanks	312	20	332	161	–	181	205	–	205
56. Gas storage tanks	17	–	17	–	–	–	–	–	–
57. Oil pipe lines	48	–	48	2	–	2	5	–	5
58. Gas pipe lines	–	–	–	–	–	–	–	–	–
59. Oil wells	373	7	380	55	–	55	2,735	15	2,750
80. Gas wells	52	1	53	–	–	–	–	–	–
61. Oil refinery – Processing units[3]	–	–	–	–	–	–	–	–	–
62. Natural gas cleaning plants	–	–	–	–	–	–	–	–	–
Other engineering construction	**15,035**	**3,767**	**18,802**	**13,837**	**2,372**	**16,209**	**16,142**	**2,005**	**18,147**
63. Bridges, trestles, culverts, overpasses, viaducts	10,261	1,689	11,950	7,607	1,694	9,301	10,301	1,364	11,665
64. Tunnels and subways	–	–	–	206	–	206	111	–	111
65. Incinerators	–	–	–	–	–	–	–	–	–
66. Park systems, landscaping, sodding, etc.	90	427	517	224	221	445	92	176	268
67. Swimming pools, tennis courts, outdoor recreation facilities	268	7	275	246	31	277	70	24	94
68. Mine shafts and other below surface workings	3,110	4	3,114	4,122	–	4,122	3,835	29	3,864
69. Fences, snowsheds, signs, guard rails	388	222	610	386	241	627	436	233	669
70. Other engineering construction	918	1,418	2,336	1,046	185	1,231	1,297	179	1,476

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Included in "Other engineering construction".
[4] See footnote 5, Table 6.

TABLE 22. Total Value of Construction Work Performed – New and Repair by Type of Structure – Quebec, 1968-70[1,2,3,4]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**1,967,819**	**584,231**	**2,552,050**	**2,065,224**	**586,790**	**2,652,014**	**2,174,519**	**616,933**	**2,791,452**
Total building construction	**1,285,613**	**335,580**	**1,621,193**	**1,333,226**	**331,119**	**1,664,345**	**1,343,762**	**335,590**	**1,679,352**
Residential	**597,254**	**197,650**	**794,904**	**673,400**	**210,400**	**883,800**	**652,500**	**212,500**	**865,000**
Industrial	**122,134**	**48,709**	**170,843**	**111,736**	**43,058**	**154,794**	**84,490**	**44,435**	**128,925**
2. Factories, plants, workshops, food canneries	106,934	40,339	147,273	107,775	36,079	143,854	77,570	37,055	114,625
3. Mine and mine mill buildings	10,778	4,307	15,085	2,099	3,884	5,983	5,099	3,993	9,092
4. Railway stations, offices, roadway buildings	2,043	2,164	4,207	1,136	1,868	3,004	1,121	2,016	3,137
5. Railway shops, engine houses, water and fuel stations	2,379	1,899	4,278	726	1,227	1,953	700	1,371	2,071
Commercial	**206,520**	**40,348**	**246,868**	**153,662**	**32,615**	**186,277**	**165,580**	**32,116**	**197,696**
6. Warehouses, storehouses, refrigerated storage, etc.	21,096	4,234	25,330	15,745	2,983	18,728	10,374	3,348	13,722
7. Grain elevators	325	719	1,044	168	165	333	75	109	184
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	11,992	3,861	15,853	7,307	2,977	10,284	8,689	3,178	11,867
9. Office buildings	80,441	14,285	94,726	71,971	9,499	81,470	72,593	9,489	82,082
10. Stores, retail and wholesale	63,298	11,759	75,057	33,676	11,727	45,403	34,448	10,795	45,243
11. Garages and service stations	10,577	4,177	14,754	12,332	4,130	16,462	14,983	4,034	19,017
12. Theatres, arenas, amusement and recreational buildings	18,204	1,072	19,276	11,971	906	12,877	24,119	1,003	25,122
13. Laundries and dry cleaning establishments	587	241	828	492	228	720	299	160	459
Institutional	**293,264**	**30,288**	**323,552**	**302,207**	**29,140**	**331,347**	**326,927**	**29,900**	**356,827**
14. Schools and other educational buildings	241,098	16,403	257,501	222,054	16,496	238,550	219,017	16,266	235,283
15. Churches and other religious buildings	3,519	2,053	5,572	2,906	2,436	5,342	3,107	1,936	5,043
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	42,455	9,897	52,352	62,669	8,541	71,210	82,535	10,710	93,245
17. Other institutional buildings	6,192	1,935	8,127	14,578	1,667	16,245	22,268	988	23,256
Other building construction	**66,441**	**18,585**	**85,026**	**92,221**	**15,906**	**108,127**	**114,265**	**16,639**	**130,904**
18. Farm buildings (excluding dwellings)	37,280	11,737	49,017	38,377	12,106	50,483	39,245	12,413	51,658
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	9,115	2,059	11,174	18,762	741	19,503	24,062	642	24,904
20. Aeroplane hangars	1,191	247	1,438	2,449	140	2,589	4,084	139	4,223
21. Passenger terminals, bus, boat or air	1,240	1,395	2,635	1,795	314	2,109	7,470	677	8,147
22. Armouries, barracks, drill halls, etc.	239	1,045	1,284	294	604	898	269	620	869
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	1,191	869	2,060	1,401	1,027	2,428	1,118	1,000	2,118
24. Other building construction	16,185	1,233	17,418	29,143	974	30,117	38,017	948	38,965
Total engineering construction	**682,206**	**248,651**	**930,857**	**731,998**	**255,671**	**987,669**	**830,757**	**281,343**	**1,112,100**
Marine construction	**31,050**	**13,213**	**44,263**	**35,699**	**11,117**	**47,016**	**32,538**	**11,332**	**43,870**
25. Docks, wharves, piers, breakwaters	16,296	2,302	18,598	18,855	1,846	20,701	15,054	1,703	16,757
26. Retaining walls, embankments, riprapping	11,491	4,483	15,974	12,987	3,609	16,596	13,520	3,803	17,323
27. Canals and waterways	2,062	4,925	6,987	2,132	4,522	6,654	2,280	5,046	7,326
28. Dredging and pile driving	731	808	1,539	1,529	716	2,245	885	362	1,247
29. Dyke construction	120	9	129	60	3	63	40	–	40
30. Logging booms	134	131	265	121	237	358	186	237	423
31. Other marine construction	216	555	771	215	184	399	573	181	754

See footnote(s) at end of table.

TABLE 22.Total Value of Construction Work Performed – New and Repair by Type of Structure – Quebec, 1968-70[1,2,3,4] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**114,468**	**107,879**	**222,347**	**129,140**	**98,296**	**227,436**	**147,514**	**106,396**	**253,910**
32. Hard surfaced or paved streets, highways, parking lots, etc.	96,936	73,945	170,881	109,199	69,071	178,270	125,425	75,629	201,054
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	10,395	19,233	29,628	11,320	15,758	27,078	12,699	16,085	28,784
35. Grading, scraping, oiling, filling	3,967	10,208	14,175	4,579	8,327	12,906	5,113	8,749	13,862
36. Sidewalks, paths	1,698	3,892	5,590	2,279	4,788	7,067	2,659	5,571	8,230
37. Aerodromes, landing fields, runways, tarmac	1,472	601	2,073	1,763	352	2,115	1,618	362	1,980
Waterworks and sewage systems	**75,684**	**26,070**	**101,754**	**83,494**	**31,247**	**114,741**	**97,944**	**34,799**	**132,743**
38. Tile drains, drainage ditches, storm sewers	8,798	4,962	13,760	9,083	4,284	13,367	9,764	4,482	14,246
39. Water mains, hydrants and services	21,269	7,194	28,463	17,553	8,810	26,363	19,147	9,756	28,903
40. Sewage systems and connections	38,298	12,665	50,963	52,300	15,069	67,369	60,743	17,351	78,094
41. Pumping stations, water	6,635	955	7,590	3,167	2,876	6,043	7,188	2,990	10,178
42. Water storage tanks	684	294	978	1,391	208	1,599	1,102	220	1,322
Dams and irrigation	**99,217**	**1,813**	**101,030**	**18,524**	**1,869**	**20,393**	**21,451**	**1,890**	**23,341**
43. Dams and reservoirs	94,663	361	95,024	13,810	376	14,186	16,630	363	16,993
44. Irrigation and land reclamation projects	4,554	1,452	6,006	4,714	1,493	6,207	4,821	1,527	6,348
Electric power construction	**104,612**	**12,350**	**116,962**	**187,662**	**16,215**	**203,877**	**190,844**	**19,250**	**210,094**
45. Electric power generating plants, including water conveying and controlling structures	39,898	4,101	43,999	76,318	4,456	80,774	42,015	5,029	47,044
46. Electric transformer stations	6,537	842	7,379	22,138	991	23,129	32,347	1,176	33,523
47. Power transmission and distribution lines, trolley wires	53,324	5,891	59,215	85,243	9,657	94,900	112,152	11,831	123,983
48. Street lighting	4,853	1,516	6,369	3,963	1,111	5,074	4,330	1,214	5,544
Railway, telephone and telegraph	**66,924**	**38,039**	**104,963**	**64,415**	**39,631**	**104,046**	**65,065**	**44,735**	**109,800**
49. Railway tracks and roadbed	12,072	18,552	30,624	12,515	20,904	33,419	15,837	23,812	39,649
50. Signals and interlockers	1,093	2,424	3,517	1,426	2,142	3,568	1,347	2,364	3,711
51. Telegraph and telephone lines, underground and marine cables	53,759	17,063	70,822	50,474	16,585	67,059	47,881	18,559	66,440
Gas and oil facilities	**71,569**	**12,906**	**84,475**	**62,071**	**16,902**	**78,973**	**62,196**	**17,153**	**79,349**
52. Gas mains and services	13,760	1,222	14,982	10,590	952	11,542	9,355	972	10,327
53. Pumping stations, oil	299	125	424	419	96	515	175	104	279
54. Pumping stations, gas	544	68	612	–	–	–	80	–	80
55. Oil storage tanks	3,096	582	3,678	4,705	633	5,338	2,694	639	3,333
56. Gas storage tanks	2,946	42	2,988	5,671	85	5,756	494	118	612
57. Oil pipe lines	2,177	332	2,509	2,711	404	3,115	1,380	632	2,012
58. Gas pipe lines	–	345	345	–	51	51	325	55	380
59. Oil wells	320	–	320	1,515	329	1,844	2,051	519	2,570
60. Gas wells	53	–	53	–	–	–	15	10	25
61. Oil refinery – Processing units[3]	48,364	10,189	58,553	36,460	14,350	50,810	45,617	14,104	59,721
62. Natural gas cleaning plants	10	1	11	–	2	2	10	–	10
Other engineering construction	**118,682**	**36,381**	**155,063**	**150,793**	**40,394**	**191,187**	**213,205**	**45,788**	**258,993**
63. Bridges, trestles, culverts, overpasses, viaducts	73,460	8,550	82,010	78,030	7,508	85,538	85,315	8,105	93,420
64. Tunnels and subways	4,701	1,335	6,036	5,131	938	6,069	5,587	1,627	7,214
65. Incinerators	–	18	18	–	10	10	–	10	10
66. Park systems, landscaping, sodding, etc.	1,810	602	2,412	1,702	420	2,122	1,787	562	2,349
67. Swimming pools, tennis courts, outdoor recreation facilities	140	99	239	156	31	187	338	30	368
68. Mine shafts and other below surface workings	11,576	1,532	13,108	26,914	2,388	29,302	30,250	2,684	32,934
69. Fences, snowsheds, signs, guard rails	6,785	3,239	10,024	6,605	2,971	9,576	6,803	3,106	9,909
70. Other engineering construction	20,210	21,006	41,216	32,255	26,128	58,383	83,125	29,664	112,789

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Item 61 "Oil refinery – Processing units" includes related structures employed in production of petrochemicals.
[4] See footnote 5, Table 6.

TABLE 23. Total Value of Construction Work Performed – New and Repair by Type of Structure – Ontario, 1968 - 70[1,2,3,4]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**3,484,595**	**824,839**	**4,309,434**	**3,778,203**	**830,067**	**4,608,270**	**4,138,053**	**874,149**	**5,012,202**
Total building construction	**2,432,418**	**530,197**	**2,962,615**	**2,672,760**	**557,276**	**3,230,036**	**2,823,265**	**574,261**	**3,397,526**
Residential	**1,183,984**	**301,000**	**1,484,984**	**1,429,000**	**326,400**	**1,755,400**	**1,275,400**	**334,400**	**1,609,800**
Industrial	**227,174**	**94,912**	**322,086**	**282,004**	**90,685**	**372,689**	**360,799**	**100,010**	**460,809**
2. Factories, plants, workshops, food canneries	197,127	75,630	272,757	260,263	72,949	333,212	336,748	76,504	413,252
3. Mine and mine mill buildings	26,711	12,929	39,640	16,041	11,113	27,154	18,138	16,412	34,550
4. Railway stations, offices, roadway buildings	2,214	4,211	6,425	3,592	4,034	7,626	3,355	4,243	7,598
5. Railway shops, engine houses, water and fuel stations	1,122	2,142	3,264	2,108	2,589	4,697	2,558	2,851	5,409
Commercial	**393,451**	**69,452**	**462,903**	**395,728**	**68,038**	**463,766**	**567,292**	**67,267**	**634,559**
6. Warehouses, storehouses, refrigerated storage, etc.	47,446	8,411	55,857	29,994	8,476	38,470	30,960	7,972	38,932
7. Grain elevators	683	272	955	348	167	515	320	220	540
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	17,429	7,310	24,739	18,694	6,680	25,374	37,109	6,876	43,985
9. Office buildings	208,109	24,189	232,298	195,497	24,670	220,167	286,128	25,870	311,998
10. Stores, retail and wholesale	55,468	17,760	73,228	81,531	14,304	95,835	121,529	12,768	134,297
11. Garages and service stations	27,057	7,429	34,486	28,715	8,928	37,643	32,323	8,696	41,019
12. Theatres, arenas, amusement and recreational buildings	36,279	3,546	39,825	40,029	4,294	44,323	58,360	4,379	62,739
13. Laundries and dry cleaning establishments	980	535	1,515	920	519	1,439	563	486	1,049
Institutional	**554,015**	**29,482**	**583,497**	**486,120**	**41,193**	**527,313**	**508,491**	**40,785**	**549,276**
14. Schools and other educational buildings	396,092	14,703	410,795	363,138	20,984	384,122	352,830	22,266	375,096
15. Churches and other religious buildings	17,009	2,605	19,614	13,384	6,507	19,891	13,582	3,692	17,274
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	89,367	8,723	98,090	79,090	10,721	89,811	95,392	11,177	106,569
17. Other institutional buildings	51,547	3,451	54,998	30,508	2,981	33,489	46,687	3,650	50,337
Other building construction	**73,794**	**35,351**	**109,145**	**79,908**	**30,960**	**110,868**	**111,283**	**31,799**	**143,082**
18. Farm buildings (excluding dwellings)	45,635	25,043	70,678	45,001	24,646	69,647	46,645	25,500	72,145
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	9,112	2,567	11,679	15,593	564	16,157	15,883	618	16,501
20. Aeroplane hangars	219	888	1,107	2,457	669	3,126	4,241	632	4,873
21. Passenger terminals, bus, boat or air	1,960	145	2,105	2,816	119	2,935	8,775	131	8,906
22. Armouries, barracks, drill halls, etc.	414	3,587	4,001	360	2,472	2,832	453	2,466	2,919
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	1,273	781	2,054	1,208	613	1,821	754	585	1,339
24. Other building construction	15,181	2,340	17,521	12,473	1,877	14,350	34,532	1,867	36,399
Total engineering construction	**1,052,177**	**294,642**	**1,346,819**	**1,105,443**	**272,791**	**1,378,234**	**1,314,788**	**299,888**	**1,614,676**
Marine construction	**26,358**	**5,022**	**31,380**	**25,239**	**6,103**	**31,342**	**19,430**	**5,861**	**25,291**
25. Docks, wharves, piers, breakwaters	5,282	2,367	7,649	3,999	1,703	5,702	4,667	1,869	6,536
26. Retaining walls, embankments, riprapping	1,139	91	1,230	999	74	1,073	1,253	64	1,317
27. Canals and waterways	18,347	2,046	20,393	18,637	3,008	21,645	11,764	2,618	14,382
28. Dredging and pile driving	1,037	380	1,417	902	223	1,125	1,134	167	1,301
29. Dyke construction	278	18	296	189	17	206	227	13	240
30. Logging booms	–	43	43	–	28	28	–	31	31
31. Other marine construction	275	77	352	513	1,050	1,563	385	1,099	1,484

See footnote(s) at end of table.

TABLE 23. Total Value of Construction Work Performed – New and Repair by Type of Structure – Ontario 1968-70[1,2,3,4] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**294,327**	**105,166**	**399,493**	**294,424**	**91,272**	**385,696**	**302,734**	**99,493**	**402,227**
32. Hard surfaced or paved streets, highways, parking lots, etc.	273,183	95,012	368,195	273,220	81,124	354,344	281,921	88,862	370,783
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	1,650	1,313	2,963	2,002	1,382	3,384	1,880	1,467	3,347
35. Grading, scraping, oiling, filling	12,384	5,739	18,123	11,756	6,081	17,837	11,931	6,345	18,276
36. Sidewalks, paths	6,000	2,933	8,933	6,021	2,569	8,590	5,624	2,703	8,327
37. Aerodromes, landing fields, runways, tarmac	1,110	169	1,279	1,425	116	1,541	1,378	116	1,494
Waterworks and sewage systems	**142,790**	**26,233**	**169,023**	**132,849**	**21,825**	**154,674**	**182,085**	**23,487**	**205,572**
38. Tile drains, drainage ditches, storm sewers	12,282	2,913	15,195	11,468	2,975	14,443	14,964	3,657	18,621
39. Water mains, hydrants and services	31,295	10,544	41,839	30,859	8,723	39,582	36,667	9,214	45,881
40. Sewage systems and connections	87,918	10,593	98,511	83,387	7,828	91,215	116,032	8,443	124,475
41. Pumping stations, water	9,723	1,664	11,387	5,986	1,773	7,759	11,322	1,642	12,964
42. Water storage tanks	1,572	519	2,091	1,149	526	1,675	3,100	531	3,631
Dams and irrigation	**7,016**	**3,262**	**10,278**	**26,680**	**3,295**	**29,975**	**32,195**	**3,412**	**35,607**
43. Dams and reservoirs	1,363	162	1,525	21,156	248	21,404	26,503	258	26,761
44. Irrigation and land reclamation projects	5,653	3,100	8,753	5,524	3,047	8,571	5,692	3,154	8,846
Electric power construction	**216,722**	**36,820**	**253,542**	**233,281**	**41,729**	**275,010**	**267,406**	**47,770**	**315,176**
45. Electric power generating plants, including water conveying and controlling structures	99,564	8,065	107,629	88,598	12,996	101,594	92,946	15,362	108,308
46. Electric transformer stations	15,350	3,889	19,239	17,178	3,563	20,741	20,335	4,215	24,550
47. Power transmission and distribution lines, trolley wires	94,740	22,334	117,074	119,478	22,537	142,015	145,278	25,402	170,680
48. Street lighting	7,068	2,532	9,600	8,027	2,633	10,660	8,847	2,791	11,638
Railway, telephone and telegraph	**107,642**	**64,388**	**172,030**	**117,566**	**64,438**	**182,004**	**127,852**	**70,187**	**198,039**
49. Railway tracks and roadbed	38,301	38,515	76,816	42,511	36,882	79,393	49,439	40,631	90,070
50. Signals and interlockers	3,236	4,956	8,192	3,780	4,944	8,724	4,564	5,298	9,862
51. Telegraph and telephone lines, underground and marine cables	66,105	20,917	87,022	71,275	22,612	93,887	73,849	24,258	98,107
Gas and oil facilities	**108,371**	**29,101**	**137,472**	**83,069**	**25,594**	**108,663**	**103,679**	**28,619**	**132,298**
52. Gas mains and services	30,681	2,310	32,991	29,312	1,566	30,878	20,837	1,701	22,538
53. Pumping stations, oil	545	355	900	640	351	991	1,220	441	1,661
54. Pumping stations, gas	9,504	766	10,270	942	222	1,164	900	204	1,104
55. Oil storage tanks	3,516	1,099	4,615	2,955	933	3,888	2,408	1,275	3,683
56. Gas storage tanks	2,566	–	2,566	341	66	407	554	70	624
57. Oil pipe lines	1,597	686	2,283	1,501	419	1,920	1,778	457	2,235
58. Gas pipe lines	16,681	1,006	17,687	24,395	1,727	26,122	38,081	1,850	39,931
59. Oil wells	2,571	1,195	3,766	372	97	469	172	33	205
60. Gas wells	888	367	1,255	3,243	682	3,925	3,717	768	4,485
61. Oil refinery – Processing units[3]	39,622	20,571	60,193	17,171	19,528	36,699	31,732	21,818	53,550
62. Natural gas cleaning plants	200	746	946	2,197	3	2,200	2,280	2	2,282
Other engineering construction	**148,951**	**24,650**	**173,601**	**192,335**	**18,535**	**210,870**	**279,407**	**21,059**	**300,466**
63. Bridges, trestles, culverts, overpasses, viaducts	45,311	6,006	51,317	52,454	5,286	57,740	45,961	7,050	53,011
64. Tunnels and subways	14,435	49	14,484	19,769	84	19,853	36,887	76	36,963
65. Incinerators	39	35	74	2	8	10	23	10	33
66. Park systems, landscaping, sodding, etc.	3,758	2,403	6,161	3,484	2,583	6,067	3,870	2,605	6,475
67. Swimming pools, tennis courts, outdoor recreation facilities	97	993	1,090	1,719	527	2,246	1,531	551	2,082
68. Mine shafts and other below surface workings	46,107	4,793	50,900	65,986	409	66,395	60,214	377	60,591
69. Fences, snowsheds, signs, guard rails	10,900	4,872	15,772	10,200	4,508	14,708	10,857	4,651	15,508
70. Other engineering construction	28,304	5,499	33,803	38,721	5,130	43,851	120,064	5,739	125,803

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Item 61 "Oil refinery – Processing units" includes related structures employed in production of petrochemicals.
[4] See footnote 5, Table 6.

TABLE 24. Total Value of Construction Work Performed – New and Repair by Type of Structure – Manitoba, 1968-70[1,2,3,4]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**549,356**	**112,976**	**662,332**	**623,171**	**115,748**	**738,919**	**605,064**	**120,623**	**725,687**
Total building construction	**241,739**	**66,846**	**308,585**	**287,039**	**67,414**	**354,453**	**305,726**	**68,244**	**373,970**
Residential	**91,702**	**39,850**	**131,552**	**143,400**	**42,100**	**185,500**	**153,300**	**42,900**	**196,200**
Industrial	**38,288**	**8,255**	**46,543**	**20,873**	**7,391**	**28,264**	**18,331**	**7,356**	**25,687**
2. Factories, plants, workshops, food canneries	25,774	4,732	30,506	11,844	4,749	16,593	12,036	4,506	16,542
3. Mine and mine mill buildings	11,597	1,453	13,050	7,465	661	8,126	4,265	728	4,993
4. Railway stations, offices, roadway buildings	569	1,280	1,849	877	1,195	2,072	1,110	1,277	2,387
5. Railway shops, engine houses, water and fuel stations	348	790	1,138	687	786	1,473	920	845	1,765
Commercial	**44,072**	**9,035**	**53,107**	**51,049**	**8,361**	**59,410**	**50,048**	**8,489**	**58,537**
6. Warehouses, storehouses, refrigerated storage, etc.	3,912	1,042	4,954	4,933	1,117	6,050	3,273	1,189	4,462
7. Grain elevators	1,449	729	2,178	742	480	1,222	651	423	1,074
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	2,288	1,063	3,351	8,006	786	8,792	12,529	772	13,301
9. Office buildings	19,005	3,112	22,117	18,356	2,789	21,145	14,153	3,245	17,398
10. Stores, retail and wholesale	7,492	2,111	9,603	9,047	2,006	11,053	10,587	1,778	12,365
11. Garages and service stations	6,882	621	7,503	6,264	727	6,991	3,556	837	4,395
12. Theatres, arenas, amusement and recreational buildings	3,029	298	3,327	3,684	395	4,079	5,287	171	5,458
13. Laundries and dry cleaning establishments	15	59	74	17	61	78	10	74	84
Institutional	**45,879**	**3,802**	**49,681**	**55,005**	**4,290**	**59,295**	**69,046**	**4,031**	**73,077**
14. Schools and other educational buildings	36,925	1,660	38,585	38,473	2,932	41,405	44,271	2,731	47,002
15. Churches and other religious buildings	1,595	201	1,796	803	248	1,051	1,341	160	1,501
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	2,752	1,178	3,930	10,235	860	11,095	14,308	889	15,197
17. Other institutional buildings	4,607	763	5,370	5,494	250	5,744	9,126	251	9,377
Other building construction	**21,798**	**5,904**	**27,702**	**16,712**	**5,272**	**21,984**	**15,001**	**5,468**	**20,469**
18. Farm buildings (excluding dwellings)	12,743	4,197	16,940	11,890	3,926	15,816	11,526	3,789	15,315
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	3,140	513	3,653	2,586	513	3,099	1,113	475	1,588
20. Aeroplane hangars	318	414	732	501	381	882	389	542	931
21. Passenger terminals, bus, boat or air	3,047	33	3,080	282	68	350	373	73	446
22. Armouries, barracks, drill halls, etc.	204	392	596	179	168	347	248	193	441
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	1,323	76	1,399	793	37	830	692	88	780
24. Other building construction	1,023	279	1,302	481	179	660	660	308	968
Total engineering construction	**307,617**	**46,130**	**353,747**	**336,132**	**48,334**	**384,466**	**299,338**	**52,379**	**351,717**
Marine construction	**5,770**	**795**	**6,565**	**128**	**323**	**451**	**159**	**397**	**556**
25. Docks, wharves, piers, breakwaters	218	648	866	121	301	422	149	340	489
26. Retaining walls, embankments, riprapping	–	–	–	–	–	–	–	–	–
27. Canals and waterways	4,945	25	4,970	–	–	–	–	–	–
28. Dredging and pile driving	–	35	35	–	–	–	–	15	15
29. Dyke construction	607	40	647	7	8	15	10	6	16
30. Logging booms	–	–	–	–	–	–	–	–	–
31. Other marine construction	–	47	47	–	14	14	–	38	36

See footnote(s) at end of table.

TABLE 24. Total Value of Construction Work Performed – New and Repair by Type of Structure – Manitoba, 1968 - 70[1,2,3,4] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**46,491**	**8,760**	**55,251**	**43,159**	**10,596**	**53,755**	**47,291**	**11,154**	**58,445**
32. Hard surfaced or paved streets, highways, parking lots, etc.	31,855	7,018	38,873	28,474	7,251	35,725	32,368	7,794	40,162
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	165	29	194	117	10	127	54	3	57
35. Grading, scraping, oiling, filling	13,292	1,400	14,692	13,586	3,083	16,669	13,601	3,087	16,688
36. Sidewalks, paths	387	236	623	287	209	496	304	222	526
37. Aerodromes, landing fields, runways, tarmac	792	77	869	695	43	738	964	48	1,012
Waterworks and sewage systems	**15,960**	**4,343**	**20,303**	**20,609**	**5,143**	**25,752**	**18,786**	**5,478**	**24,264**
38. Tile drains, drainage ditches, storm sewers	2,419	1,204	3,623	6,090	1,454	7,544	4,811	1,802	6,613
39. Water mains, hydrants and services	6,601	2,244	8,845	4,198	2,657	6,855	4,333	2,733	7,066
40. Sewage systems and connections	6,067	728	6,795	8,844	884	9,728	6,896	759	7,655
41. Pumping stations, water	539	95	634	1,204	77	1,281	2,448	109	2,557
42. Water storage tanks	334	72	406	273	71	344	298	75	373
Dams and irrigation	**11,971**	**667**	**12,638**	**11,496**	**555**	**12,051**	**10,958**	**580**	**11,538**
43. Dams and reservoirs	10,372	99	10,471	10,048	72	10,120	9,561	114	9,675
44. Irrigation and land reclamation projects	1,599	568	2,167	1,448	483	1,931	1,397	466	1,863
Electric power construction	**135,780**	**3,287**	**139,067**	**160,840**	**3,264**	**164,104**	**126,115**	**3,289**	**129,404**
45. Electric power generating plants, including water conveying and controlling structures	75,379	743	76,122	75,492	1,846	77,338	40,532	1,967	42,499
46. Electric transformer stations	1,769	367	2,136	2,652	82	2,734	1,490	87	1,577
47. Power transmission and distribution lines, trolley wires	56,423	1,504	57,927	80,691	586	81,277	82,645	589	83,234
48. Street lighting	2,209	673	2,862	2,005	750	2,755	1,448	646	2,094
Railway, telephone and telegraph	**29,487**	**17,877**	**47,364**	**21,568**	**16,653**	**38,221**	**24,771**	**18,347**	**43,118**
49. Railway tracks and roadbed	16,577	11,579	28,156	10,106	11,083	21,189	13,084	11,913	24,997
50. Signals and interlockers	677	1,292	1,969	1,199	1,507	2,706	1,559	1,620	3,179
51. Telegraph and telephone lines, underground and marine cables	12,233	5,006	17,239	10,263	4,063	14,326	10,128	4,814	14,942
Gas and oil facilities	**24,838**	**2,612**	**27,450**	**28,846**	**1,596**	**30,442**	**19,085**	**1,636**	**20,721**
52. Gas mains and services	4,120	736	4,856	3,488	505	3,993	1,920	523	2,443
53. Pumping stations, oil	749	115	864	44	122	166	393	132	525
54. Pumping stations, gas	2,216	545	2,761	–	32	32	–	32	32
55. Oil storage tanks	589	92	681	649	251	900	640	163	803
56. Gas storage tanks	784	–	784	24	2	26	1,514	3	1,517
57. Oil pipe lines	744	185	929	40	132	172	70	146	216
58. Gas pipe lines	14,000	500	14,500	17,420	27	17,447	12,894	27	12,921
59. Oil wells	1,454	377	1,831	7,181	525	7,706	1,404	552	1,956
60. Gas wells	182	62	244	–	–	–	250	58	308
61. Oil refinery – Processing units[3]	–	–	–	–	–	–	–	–	–
62. Natural gas cleaning plants	–	–	–	–	–	–	–	–	–
Other engineering construction	**37,320**	**7,789**	**45,109**	**49,486**	**10,204**	**59,690**	**52,173**	**11,498**	**63,671**
63. Bridges, trestles, culverts, overpasses, viaducts	8,112	2,135	10,247	8,564	2,944	11,508	9,563	2,990	12,553
64. Tunnels and subways	98	–	98	261	–	261	7	1	8
65. Incinerators	–	26	26	–	10	10	–	11	11
66. Park systems, landscaping, sodding, etc.	1,224	245	1,469	884	106	990	989	113	1,102
67. Swimming pools, tennis courts, outdoor recreation facilities	21	30	51	18	13	31	25	15	40
68. Mine shafts and other below surface workings	20,387	507	20,894	30,985	2,333	33,318	35,851	3,134	38,985
69. Fences, snowsheds, signs, guard rails	2,227	900	3,127	3,272	1,067	4,339	3,244	1,068	4,312
70. Other engineering construction	5,251	3,946	9,197	5,502	3,731	9,233	2,494	4,166	6,660

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Included in "Other engineering construction".
[4] See footnote 5, Table 6.

TABLE 25. Total Value of Construction Work Performed – New and Repair by Type of Structure – Saskatchewan, 1968 - 70[1,2,3,4,5]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**541,215**	**127,444**	**668,659**	**452,619**	**126,317**	**578,936**	**430,048**	**130,737**	**560,785**
Total building construction	**254,528**	**66,708**	**321,236**	**224,969**	**65,550**	**290,519**	**209,579**	**66,352**	**275,931**
Residential	**113,238**	**39,050**	**152,288**	**103,700**	**41,300**	**145,000**	**90,400**	**41,700**	**132,100**
Industrial	**31,116**	**3,415**	**34,531**	**18,905**	**4,242**	**23,147**	**12,455**	**4,515**	**16,970**
2. Factories, plants, workshops, food canneries	7,836	1,359	9,195	4,033	1,086	5,119	2,922	1,113	4,035
3. Mine and mine mill buildings	22,431	586	23,017	13,472	1,518	14,990	8,199	1,641	9,840
4. Railway stations, offices, roadway buildings	534	999	1,533	755	964	1,719	773	1,037	1,810
5. Railway shops, engine houses, water and fuel stations	315	471	786	645	674	1,319	561	724	1,285
Commercial	**40,927**	**9,493**	**50,420**	**37,716**	**7,175**	**44,891**	**33,478**	**6,920**	**40,398**
6. Warehouses, storehouses, refrigerated storage, etc.	6,525	1,276	7,801	6,227	1,208	7,435	8,213	1,009	7,222
7. Grain elevators	4,582	3,107	7,689	2,591	1,818	4,409	2,490	1,728	4,216
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	3,503	676	4,179	1,445	468	1,913	1,020	443	1,463
9. Office buildings	10,506	1,785	12,291	9,953	1,030	10,983	8,955	1,150	10,105
10. Stores, retail and wholesale	7,433	1,738	9,171	9,984	1,725	11,709	9,998	1,581	11,579
11. Garages and service stations	2,293	678	2,971	2,995	655	3,650	2,834	770	3,604
12. Theatres, arenas, amusement and recreational buildings	6,080	204	6,284	4,515	259	4,774	1,968	241	2,209
13. Laundries and dry cleaning establishments	5	29	34	6	12	18	–	–	–
Institutional	**43,925**	**5,372**	**49,297**	**43,090**	**4,839**	**47,929**	**51,693**	**5,428**	**57,121**
14. Schools and other educational buildings	33,240	2,530	35,770	32,557	2,698	35,255	40,406	2,912	43,318
15. Churches and other religious buildings	779	223	1,002	225	218	443	26	103	129
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	7,102	2,310	9,412	5,058	1,710	6,768	8,678	2,193	10,871
17. Other institutional buildings	2,804	309	3,113	5,250	213	5,463	2,583	220	2,803
Other building construction	**25,322**	**9,378**	**34,700**	**21,558**	**7,994**	**29,552**	**21,553**	**7,789**	**29,342**
18. Farm buildings (excluding dwellings)	20,515	8,316	28,831	17,834	7,196	25,030	17,309	6,981	24,290
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	1,510	254	1,764	2,075	237	2,312	1,052	223	1,275
20. Aeroplane hangars	42	56	98	50	55	105	174	61	235
21. Passenger terminals, bus, boat or air	–	27	27	–	30	30	–	30	30
22. Armouries, barracks, drill halls, etc.	79	457	536	93	203	296	139	222	361
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	845	143	988	60	78	138	16	89	105
24. Other building construction	2,331	125	2,456	1,446	195	1,641	2,863	183	3,046
Total engineering construction	**286,687**	**60,738**	**347,423**	**227,650**	**60,767**	**288,417**	**220,469**	**64,385**	**284,854**
Marine construction	**364**	**73**	**437**	**381**	**74**	**455**	**389**	**79**	**468**
25. Docks, wharves, piers, breakwaters	352	72	424	235	74	309	225	79	304
26. Retaining walls, embankments, riprapping	10	–	10	108	–	108	126	–	126
27. Canals and waterways	–	–	–	–	–	–	–	–	–
28. Dredging and pile driving	–	1	1	–	–	–	–	–	–
29. Dyke construction	2	–	2	–	–	–	–	–	–
30. Logging booms	–	–	–	–	–	–	–	–	–
31. Other marine construction	–	–	–	38	–	38	38	–	38

See footnote(s) at end of table.

TABLE 25. Total Value of Construction Work Performed – New and Repair by Type of Structure – Saskatchewan, 1968 - 70[1,2,3,4,5] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**70,533**	**14,922**	**85,455**	**68,042**	**16,197**	**84,239**	**66,100**	**17,721**	**83,821**
32. Hard surfaced or paved streets, highways, parking lots, etc.	67,678	14,511	82,189	65,780	15,884	81,664	64 262	17,392	81,654
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	812	106	918	883	98	981	475	79	554
35. Grading, scraping, oiling, filling	95	18	113	47	25	72	55	16	71
36. Sidewalks, paths	1,719	122	1,841	1,038	117	1,155	904	154	1,058
37. Aerodromes, landing fields, runways, tarmac	229	165	394	294	73	367	404	80	484
Waterworks and sewage systems	**14,947**	**3,972**	**18,919**	**14,524**	**4,851**	**19,375**	**16,771**	**4,761**	**21,532**
38. Tile drains, drainage ditches, storm sewers	2,339	896	3,235	1,992	779	2,771	1,894	758	2,652
39. Water mains, hydrants and services	5,709	1,743	7 452	3,618	2,072	5,690	4,556	2,065	6,621
40. Sewage systems and connections	4,731	843	5,574	7,718	1,131	8,849	9,173	1,062	10,235
41. Pumping stations, water	1,591	352	1,943	793	726	1 519	423	737	1,160
42. Water storage tanks	577	138	715	403	143	546	725	139	864
Dams and irrigation	**5,263**	**2,039**	**7,302**	**5,348**	**1,311**	**6,659**	**7,007**	**1,328**	**8,335**
43. Dams and reservoirs	2,698	891	3,589	3,104	371	3,475	4,801	408	5,209
44. Irrigation and land reclamation projects	2,565	1,148	3,713	2,244	940	3,184	2,206	920	3,126
Electric power construction	**35,690**	**2,873**	**38,563**	**25,651**	**4,011**	**29,662**	**19,711**	**4,511**	**24,222**
45. Electric power generating plants, including water conveying and controlling structures	21,807	1,588	23,395	15,298	2,249	17,547	10,109	2,503	12,612
46. Electric transformer stations	3,414	398	3,812	2,775	569	3,344	2,387	709	3,096
47. Power transmission and distribution lines, trolley wires	9,419	674	10,093	6,485	1,032	7,517	5,953	1,103	7,056
48. Street lighting	1,050	213	1,263	1,093	161	1,254	1,262	196	1,458
Railway, telephone and telegraph	**16,837**	**14,233**	**31,070**	**14,876**	**11,786**	**26,662**	**16,958**	**12,660**	**29,618**
49. Railway tracks and roadbed	9,771	10,390	20,161	8,493	9,518	18,011	8,231	10,230	18,461
50. Signals and interlockers	586	998	1,584	1,032	1,292	2,324	1,027	1,389	2,416
51. Telegraph and telephone lines, underground and marine cables	6,480	2,845	9,325	5,351	976	6,327	7,700	1,041	8,741
Gas and oil facilities	**46,225**	**17,794**	**64,019**	**39,739**	**18,336**	**58,075**	**39,863**	**19,081**	**58,944**
52. Gas mains and services	2,678	851	3,529	1,951	1,215	3,166	2,160	1,187	3,347
53. Pumping stations, oil	1,225	477	1,702	368	445	813	1,105	459	1,564
54. Pumping stations, gas	7,400	1,640	9,040	–	77	77	–	77	77
55. Oil storage tanks	563	420	983	339	259	598	298	241	539
56. Gas storage tanks	30	–	30	5	1	6	14	–	14
57. Oil pipe lines[3]	–	–	–	–	–	–	–	–	–
58. Gas pipe lines[3]	–	–	–	–	–	–	–	–	–
59. Oil wells	28,299	10,457	38,756	30,200	10 941	41,141	31,539	12,220	43,759
60. Gas wells	4,229	1,740	5,969	6,127	2,208	8,335	3,735	1,436	5,171
61. Oil refinery – Processing units[4]	551	1,953	2,504	316	2,065	2,381	187	1,960	2,147
62. Natural gas cleaning plants	1,250	256	1,506	433	1,125	1,558	825	1,501	2,326
Other engineering construction	**96,828**	**4,830**	**101,658**	**59,089**	**4,201**	**63,290**	**53,670**	**4,244**	**57,914**
63. Bridges, trestles, culverts, overpasses, viaducts	3,164	633	3,797	3,748	994	4,742	5,896	1,058	6,954
64. Tunnels and subways	165	17	182	8	19	27	19	29	48
65. Incinerators	–	–	–	–	–	–	15	–	15
66. Park systems, landscaping, sodding, etc.	96	39	135	640	113	753	1,115	83	1,198
67. Swimming pools, tennis courts, outdoor recreation facilities	123	20	143	319	20	339	737	24	761
68. Mine shafts and other below surface workings	39,080	168	39,248	11,832	332	12,164	6,164	295	6,459
69. Fences, snowsheds, signs, guard rails	3,286	1,461	4,747	2,958	1,264	4,222	3,042	1,263	4,305
70. Other engineering construction	50,914	2,492	53,406	39,584	1,459	41,043	36,682	1,492	38,174

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Included in "Other engineering construction".
[4] Item 61 "Oil refinery – Processing units" includes related structures employed in production of petrochemicals.
[5] See footnote 5, Table 6.

TABLE 26. Total Value of Construction Work Performed – New and Repair by Type of Structure – Alberta, 1968-70[1,2,3,4]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**1,205,323**	**237,436**	**1,442,759**	**1,351,872**	**253,086**	**1,604,958**	**1,447,527**	**260,033**	**1,707,560**
Total building construction	**539,092**	**110,196**	**649,288**	**654,878**	**116,515**	**771,393**	**659,661**	**117,202**	**776,863**
Residential	**248,085**	**60,885**	**308,970**	**333,100**	**67,600**	**400,700**	**327,400**	**68,800**	**396,200**
Industrial	**19,122**	**7,324**	**26,446**	**32,931**	**7,412**	**40,343**	**37,315**	**8,040**	**45,355**
2. Factories, plants, workshops, food canneries	16,177	5,492	21,669	23,382	5,438	28,820	32,439	5,789	38,228
3. Mine and mine mill buildings	1,758	153	1,911	7,379	222	7,601	3,017	372	3,389
4. Railway stations, offices, roadway buildings	747	1,076	1,823	1,142	1,030	2,172	975	1,104	2,079
5. Railway shops, engine houses, water and fuel stations	440	603	1,043	1,028	722	1,750	884	775	1,659
Commercial	**91,288**	**17,456**	**108,744**	**115,302**	**16,051**	**131,353**	**104,889**	**15,534**	**120,423**
6. Warehouses, storehouses, refrigerated storage, etc.	14,887	2,268	17,155	18,430	2,255	20,685	12,460	2,175	14,635
7. Grain elevators	2,662	1,777	4,439	1,650	1,100	2,750	1,438	997	2,435
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	8,920	1,439	10,359	4,718	1,753	6,471	1,970	1,284	3,254
9. Office buildings	38,632	4,247	42,879	62,757	5,187	67,944	64,999	5,604	70,603
10. Stores, retail and wholesale	8,710	3,899	12,609	15,475	3,068	18,543	14,638	2,847	17,485
11. Garages and service stations	7,365	2,222	9,587	5,488	1,309	6,797	4,536	1,394	5,930
12. Theatres, arenas, amusement and recreational buildings	10,072	1,520	11,592	6,679	1,201	7,880	4,848	1,024	5,872
13. Laundries and dry cleaning establishments	40	84	124	105	178	283	–	209	209
Institutional	**131,173**	**10,965**	**142,138**	**122,005**	**12,564**	**134,569**	**142,180**	**12,764**	**154,944**
14. Schools and other educational buildings	94,793	6,352	101,145	94,441	7,650	102,091	117,929	7,426	125,355
15. Churches and other religious buildings	3,163	247	3,410	2,747	199	2,946	744	244	988
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	28,966	2,733	31,699	18,195	2,467	20,662	15,885	2,764	18,649
17. Other institutional buildings	4,251	1,633	5,884	6,622	2,248	8,870	7,622	2,330	9,952
Other building construction	**49,424**	**13,566**	**62,990**	**51,540**	**12,888**	**64,428**	**47,877**	**12,064**	**59,941**
18. Farm buildings (excluding dwellings)	37,367	10,070	47,437	35,208	9,869	45,077	34,387	9,660	44,047
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	4,572	859	5,431	4,243	873	5,116	6,416	951	7,367
20. Aeroplane hangars	16	93	109	276	840	1,116	97	166	263
21. Passenger terminals, bus, boat or air	175	256	431	222	23	245	166	21	187
22. Armouries, barracks, drill halls, etc.	262	1,137	1,399	277	525	802	324	549	873
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	610	255	865	601	257	858	366	280	646
24. Other building construction	6,422	896	7,318	10,713	501	11,214	6,121	437	6,558
Total engineering construction	**666,231**	**127,240**	**793,471**	**696,994**	**136,571**	**833,565**	**787,866**	**142,831**	**930,697**
Marine construction	**440**	**465**	**905**	**3,184**	**292**	**3,476**	**1,765**	**282**	**2,047**
25. Docks, wharves, piers, breakwaters	139	465	604	1,372	239	1,611	865	252	1,117
26. Retaining walls, embankments, riprapping	–	–	–	–	–	–	–	–	–
27. Canals and waterways	–	–	–	–	–	–	–	–	–
28. Dredging and pile driving	–	–	–	–	–	–	–	–	–
29. Dyke construction	1	–	1	–	–	–	–	–	–
30. Logging booms	–	–	–	–	–	–	–	–	–
31. Other marine construction	300	–	300	1,812	53	1,865	900	30	930

See footnote(s) at end of table.

TABLE 26. Total Value of Construction Work Performed – New and Repair by Type of Structure – Alberta, 1968 - 70[1,2,3,4] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**73,082**	**37,566**	**110,648**	**76,170**	**30,784**	**106,954**	**80,961**	**35,519**	**116,480**
32. Hard surfaced or paved streets, highways, parking lots, etc.	61,862	36,537	98,339	64,084	28,838	92,922	68,459	33,642	102,101
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	438	123	561	616	177	793	226	164	390
35. Grading, scraping, oiling, filling	7,513	28	7,541	8,418	1,435	9,853	8,741	1,435	10,176
36. Sidewalks, paths	2,638	656	3,294	2,457	174	2,631	2,906	217	3,123
37. Aerodromes, landing fields, runways, tarmac	691	222	913	595	160	755	629	61	690
Waterworks and sewage systems	**29,222**	**7,695**	**36,917**	**37,397**	**5,852**	**43,249**	**42,006**	**5,310**	**47,316**
38. Tile drains, drainage ditches, storm sewers	4,247	1,124	5,371	4,063	1,039	5,102	3,992	1,018	5,010
39. Water mains, hydrants and services	9,774	3,135	12,909	10,805	4,002	14,807	13,420	3,429	16,849
40. Sewage systems and connections	11,646	3,163	14,809	21,112	513	21,625	22,459	545	23,004
41. Pumping stations, water	2,685	104	2,789	872	148	1,020	1,607	171	1,778
42. Water storage tanks	870	169	1,039	545	150	695	528	147	675
Dams and irrigation	**12,878**	**2,930**	**15,808**	**13,599**	**1,952**	**15,551**	**11,715**	**1,929**	**13,644**
43. Dams and reservoirs	5,061	545	5,606	6,416	255	6,671	4,128	267	4,395
44. Irrigation and land reclamation projects	7,817	2,385	10,202	7,183	1,697	8,880	7,587	1,662	9,249
Electric power construction	**42,357**	**5,839**	**48,196**	**37,092**	**5,446**	**42,538**	**40,201**	**5,523**	**45,724**
45. Electric power generating plants, including water conveying and controlling structures	8,717	773	9,490	11,193	699	11,892	15,319	544	15,863
46. Electric transformer stations	8,685	604	9,289	6,036	729	6,765	5,642	705	6,347
47. Power transmission and distribution lines, trolley wires	23,145	3,830	26,975	16,616	3,275	19,891	16,078	3,466	19,544
48. Street lighting	1,810	632	2,442	3,247	743	3,990	3,162	808	3,970
Railway, telephone and telegraph	**50,043**	**16,589**	**66,632**	**39,523**	**14,956**	**54,479**	**34,413**	**15,950**	**50,363**
49. Railway tracks and roadbed	28,840	11,503	40,343	18,522	11,117	29,639	14,144	11,828	25,972
50. Signals and interlockers	898	1,087	1,985	1,641	1,330	2,971	1,344	1,428	2,772
51. Telegraph and telephone lines, underground and marine cables	20,305	3,999	24,304	19,360	2,509	21,869	18,925	2,694	21,619
Gas and oil facilities	**369,811**	**46,706**	**416,517**	**411,254**	**65,741**	**476,995**	**459,352**	**65,828**	**525,180**
52. Gas mains and services	26,660	1,864	28,544	55,961	2,441	58,402	50,765	2,576	53,341
53. Pumping stations, oil	5,336	953	6,289	4,616	814	5,430	3,425	935	4,360
54. Pumping stations, gas	10,313	434	10,747	26,351	595	26,946	37,723	598	38,321
55. Oil storage tanks	2,653	109	2,762	1,922	258	2,180	3,662	253	3,915
56. Gas storage tanks	6	1	7	9	1	10	22	1	23
57. Oil pipe lines	28,222	1,615	29,837	18,910	1,036	19,946	7,965	1,088	9,053
58. Gas pipe lines	3,309	370	3,679	3,225	331	3,556	3,560	363	3,923
59. Oil wells	171,070	23,613	194,683	139,133	22,643	161,776	138,489	20,702	159,191
60. Gas wells	56,513	3,937	60,450	84,642	13,902	98,544	94,753	14,019	108,772
61. Oil refinery – Processing units[3]	1,786	2,557	4,343	3,609	2,730	6,339	1,428	3,330	4,758
62. Natural gas cleaning plants	63,943	11,233	75,176	72,876	20,990	93,866	117,560	21,963	139,523
Other engineering construction	**88,398**	**9,450**	**97,848**	**78,775**	**11,548**	**90,323**	**117,453**	**12,490**	**129,943**
63. Bridges, trestles, culverts, overpasses, viaducts	24,753	4,339	29,092	19,253	5,998	25,251	13,644	6,543	20,187
64. Tunnels and subways	221	112	333	11	2	13	281	3	284
65. Incinerators	–	5	5	–	2	2	–	3	3
66. Park systems, landscaping, sodding, etc.	5,132	1,594	6,726	6,312	1,695	8,007	7,044	1,711	8,755
67. Swimming pools, tennis courts, outdoor recreation facilities	222	30	252	334	486	820	582	526	1,108
68. Mine shafts and other below surface workings	2,934	77	3,011	1,988	–	1,988	1,250	–	1,250
69. Fences, snowsheds, signs, guard rails	5,971	1,807	7,778	5,773	1,655	7,428	5,637	1,637	7,274
70. Other engineering construction	49,165	1,486	50,651	45,104	1,710	46,814	89,015	2,067	91,082

[1] Actual 1968, preliminary 1969, intentions 1970.
[2] See footnote 2, Table 3.
[3] Item 61 "Oil refinery – Processing units" includes related structures employed in production of petrochemicals.
[4] See footnote 5, Table 6.

TABLE 27. Total Value of Construction Work Performed – New and Repair by Type of Structure – British Columbia, 1968 - 70[1,2,3,4,5,6]

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Total value of construction	**1,344,801**	**234,672**	**1,579,473**	**1,460,522**	**248,322**	**1,708,844**	**1,618,495**	**267,996**	**1,886,491**
Total building construction	**738,304**	**149,601**	**887,905**	**864,762**	**157,218**	**1,021,980**	**874,044**	**163,772**	**1,037,816**
Residential	**398,994**	**89,230**	**488,224**	**464,800**	**98,700**	**563,500**	**471,500**	**103,000**	**574,500**
Industrial	**77,001**	**16,619**	**93,620**	**117,174**	**18,705**	**135,879**	**112,833**	**19,991**	**132,824**
2. Factories, plants, workshops, food canneries	44,147	13,133	57,280	77,662	15,532	93,194	84,369	15,572	99,941
3. Mine and mine mill buildings	31,220	1,553	32,773	34,592	997	35,589	23,385	2,085	25,470
4. Railway stations, offices, roadway buildings	986	1,236	2,222	1,338	1,308	2,646	1,943	1,389	3,332
5. Railway shops, engine houses, water and fuel stations	648	697	1,345	3,582	868	4,450	3,136	945	4,081
Commercial	**125,670**	**21,183**	**146,853**	**121,777**	**20,212**	**141,989**	**133,758**	**20,680**	**154,438**
6. Warehouses, storehouses, refrigerated storage, etc.	19,884	2,510	22,394	13,406	2,021	15,427	20,198	2,143	22,341
7. Grain elevators	162	476	638	209	357	566	12	317	329
8. Hotels, clubs, restaurants, cafeterias, tourist cabins	11,130	2,870	14,000	16,646	3,138	19,784	22,525	2,395	24,920
9. Office buildings	47,374	7,213	54,587	41,461	7,105	48,566	43,336	8,285	51,621
10. Stores, retail and wholesale	27,304	4,385	31,689	28,709	4,169	32,878	20,435	3,644	24,079
11. Garages and service stations	9,578	2,032	11,610	16,027	1,853	17,880	17,307	1,703	19,010
12. Theatres, arenas, amusement and recreational buildings	9,149	1,546	10,695	5,136	1,362	6,498	9,784	2,038	11,822
13. Laundries and dry cleaning establishments	1,089	151	1,240	183	207	390	161	155	316
Institutional	**90,830**	**13,531**	**104,361**	**110,072**	**13,691**	**123,763**	**120,186**	**13,943**	**134,129**
14. Schools and other educational buildings	45,185	6,694	51,879	66,364	6,491	72,855	67,233	6,218	73,451
15. Churches and other religious buildings	3,396	354	3,750	2,149	489	2,638	1,575	419	1,994
16. Hospitals, sanatoria, clinics, first-aid stations, etc.	22,216	1,879	24,095	31,096	4,381	35,477	37,426	4,644	42,070
17. Other institutional buildings	20,033	4,604	24,637	10,463	2,330	12,793	13,952	2,662	16,614
Other building construction	**45,809**	**9,038**	**54,847**	**50,939**	**5,910**	**56,849**	**35,767**	**8,158**	**41,925**
18. Farm buildings (excluding dwellings)	7,618	2,023	9,641	6,055	1,605	7,660	6,447	1,762	8,209
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges	4,329	716	5,045	4,156	940	5,096	4,888	796	5,684
20. Aeroplane hangars	11,655	140	11,795	11,143	156	11,299	4,379	159	4,538
21. Passenger terminals, bus, boat or air	4,452	550	5,002	4,096	760	4,856	5,771	794	6,565
22. Armouries, barracks, drill halls, etc.	113	442	555	118	653	771	120	686	806
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps	3,504	863	4,367	5,504	1,227	6,731	4,695	1,147	5,842
24. Other building construction	14,138	4,304	18,442	19,867	569	20,436	9,467	814	10,281
Total engineering construction	**606,497**	**85,071**	**691,568**	**595,760**	**91,104**	**686,864**	**744,451**	**104,224**	**848,875**
Marine construction	**24,787**	**5,015**	**29,802**	**21,771**	**5,825**	**27,596**	**25,128**	**6,153**	**31,281**
25. Docks, wharves, piers, breakwaters	15,464	3,505	18,969	9,949	3,857	13,806	7,808	4,134	11,942
26. Retaining walls, embankments, riprapping	602	83	685	2,368	348	2,716	3,304	285	3,589
27. Canals and waterways	2,414	1	2,415	2,337	3	2,340	2,374	3	2,377
28. Dredging and pile driving	1,404	398	1,802	1,834	383	2,217	1,088	384	1,472
29. Dyke construction	84	13	97	598	5	603	5,800	11	5,811
30. Logging booms	193	401	594	320	467	787	390	530	920
31. Other marine construction	4,626	614	5,240	4,365	762	5,127	4,364	806	5,170

See footnote(s) at end of table.

TABLE 27. Total Value of Construction Work Performed – New and Repair by Type of Structure – British Columbia, 1968-70[1,2,3,4,5,6] – Concluded

Type of structure	1968			1969			1970		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
Road, highway and aerodrome construction	**133,163**	**24,951**	**158,114**	**133,205**	**30,708**	**163,913**	**151,239**	**36,648**	**187,887**
32. Hard surfaced or paved streets, highways, parking lots, etc.	102,620	19,877	122,497	82,399	18,646	101,045	94,575	24,440	119,015
33. Gravel or stone streets, highways, roads, parking lots, etc.									
34. Dirt, clay or other streets, roads, parking lots, etc.	25,649	4,673	30,322	41,021	9,299	50,320	43,772	9,063	52,835
35. Grading, scraping, oiling, filling	271	85	356	5,321	2,286	7,607	8,056	2,246	10,302
36. Sidewalks, paths	2,023	249	2,272	1,847	370	2,217	2,182	793	2,975
37. Aerodromes, landing fields, runways, tarmac	2,600	67	2,667	2,617	107	2,724	2,654	106	2,760
Waterworks and sewage systems	**32,151**	**5,983**	**38,134**	**30,668**	**6,061**	**36,729**	**37,804**	**8,389**	**46,193**
38. Tile drains, drainage ditches, storm sewers	1,081	234	1,315	1,441	195	1,636	1,146	242	1,388
39. Water mains, hydrants and services	11,682	3,426	15,108	11,107	3,785	14,892	15,205	3,973	19,178
40. Sewage systems and connections	16,453	1,900	18,353	16,513	1,649	18,162	20,162	3,746	23,908
41. Pumping stations, water	2,470	342	2,812	1,130	356	1,486	932	347	1,279
42. Water storage tanks	465	81	546	477	76	553	359	81	440
Dams and irrigation	**68,192**	**420**	**68,612**	**75,414**	**424**	**75,838**	**100,935**	**346**	**101,281**
43. Dams and reservoirs	67,109	172	67,281	73,666	228	73,894	99,079	134	99,213
44. Irrigation and land reclamation projects	1,083	248	1,331	1,748	196	1,944	1,856	212	2,068
Electric power construction	**105,439**	**10,290**	**115,729**	**72,365**	**10,436**	**82,801**	**101,934**	**11,445**	**113,379**
45. Electric power generating plants, including water conveying and controlling structures	32,615	3,590	36,205	13,348	3,545	16,893	30,053	3,757	33,810
46. Electric transformer stations	2,981	35	3,016	918	94	1,012	462	44	506
47. Power transmission and distribution lines, trolley wires	67,505	6,163	73,668	56,831	6,383	63,214	69,770	6,957	76,727
48. Street lighting	2,338	502	2,840	1,268	414	1,682	1,649	687	2,336
Railway, telephone and telegraph	**48,101**	**22,083**	**70,184**	**65,997**	**19,534**	**85,531**	**78,578**	**21,527**	**100,105**
49. Railway tracks and roadbed	25,818	14,785	40,603	42,562	14,082	56,644	52,791	15,042	67,833
50. Signals and interlockers	2,215	1,241	3,456	1,722	1,570	3,292	2,877	1,690	4,567
51. Telegraph and telephone lines, underground and marine cables	20,068	6,057	26,125	21,713	3,882	25,595	22,910	4,795	27,705
Gas and oil facilities	**75,391**	**8,066**	**83,457**	**90,158**	**10,888**	**101,046**	**103,996**	**11,439**	**115,435**
52. Gas mains and services	8,173	948	9,121	10,868	1,500	12,368	8,401	1,671	10,072
53. Pumping stations, oil	136	304	440	506	509	1,015	510	559	1,069
54. Pumping stations, gas	294	–	294	341	–	341	6,791	282	7,073
55. Oil storage tanks	1,365	372	1,737	2,285	245	2,530	2,136	271	2,407
56. Gas storage tanks	601	3	604	544	31	575	35	34	69
57. Oil pipe lines	359	738	1,097	449	541	990	567	609	1,176
58. Gas pipe lines[3]	–	–	–	–	–	–	–	–	–
59. Oil wells	33,782	1,532	35,314	42,193	2,709	44,902	49,870	3,281	53,151
60. Gas wells	18,650	253	18,903	20,155	1,987	22,142	25,892	1,895	27,787
61. Oil refinery – Processing units[4]	9,689	3,093	12,782	10,191	3,087	13,278	4,845	2,452	7,297
62. Natural gas cleaning plants	2,342	823	3,165	2,626	279	2,905	4,949	385	5,334
Other engineering construction	**119,273**	**8,263**	**127,536**	**106,182**	**7,228**	**113,410**	**144,837**	**8,277**	**153,114**
63. Bridges, trestles, culverts, overpasses, viaducts	13,593	4,690	18,283	23,027	4,384	27,411	24,247	4,610	28,857
64. Tunnels and subways	67	3	70	821	–	821	874	–	874
65. Incinerators	27	–	27	13	–	13	63	25	88
66. Park systems, landscaping, sodding, etc.	1,820	229	2,049	1,711	1,041	2,752	1,246	1,139	2,385
67. Swimming pools, tennis courts, outdoor recreation facilities	303	–	303	379	42	421	414	25	439
68. Mine shafts and other below surface workings	54,495	551	55,046	52,016	234	52,250	68,016	169	68,185
69. Fences, snowsheds, signs, guard rails	1,443	1,289	2,732	1,553	503	2,056	1,650	538	2,188
70. Other engineering construction	47,525	1,501	49,026	26,662	1,024	27,686	48,327	1,771	50,098

[1] Actual 1968, preliminary 1969, intentions 1970.
[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.
[5] Includes Northwest Territories and Yukon.
[6] See footnote 5, Table 6.

STATISTICAL NOTES

Sources

The statistics presented in this report are based largely on information received from organizations 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 and

(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.

Coverage and Reliability of Estimates

Of the total value of construction shown, about 81.7 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 1970".

The figures on value of work 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 1967 of all the firms in each industry by the corresponding 1967 total for the firms reporting in the 1970 survey. In carrying out this procedure it has been assumed that the proportion of shipments of the reporting establishments in both 1967 and 1970 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 81.7 per cent of the total outlays, 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 type of structure, individual industries or regions are, of course, subject to greater error than the total figures for Canada.

Both the 1969 preliminary actual figures and the 1970 forecast figures 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 1969 to 1970 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 1968 and 1969, 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 1970 were made by field representatives of the 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 10,000 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 10,000 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 1970.

The data on the 1970 construction expenditures are aggregates of the expectations of individual respondents and are therefore subject to fluctuations caused by a number of internal and external factors such as: weather conditions, strikes, availability of credit, availability of skilled trades and material resources, government action and other such factors.

Labour and Material Content

The 1968 Survey of Contractors and Sub-Contractors provides the basic data for deriving ratios of labour and material content. The estimates of labour and materials are derived by applying the ratios of these items to the total value of work performed. The ratios used to breakdown the own-account portion are derived from the Capital Expenditures Survey.

To obtain the number of employees the average annual earnings of contractors and sub-contractors were obtained from the results of the 1963 Contractors Survey. These figures were inflated to allow for salary and wage increases, and were subsequently divided into the estimated total of salaries and wages for 1968, 1969 and 1970.

It is known that the data on labour value and labour content in Tables 7 and 8 are understated for the years 1969 and 1970 since the ratio of labour value to total billings for these years was not adjusted to reflect wage increases.

The Labour Series as published in "Construction in Canada" is intended to reflect the labour content in terms of equivalent man years of a specific volume of construction. It is an estimate of the total number of persons, employers, own-account, and paid workers engaged in Construction activity.

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