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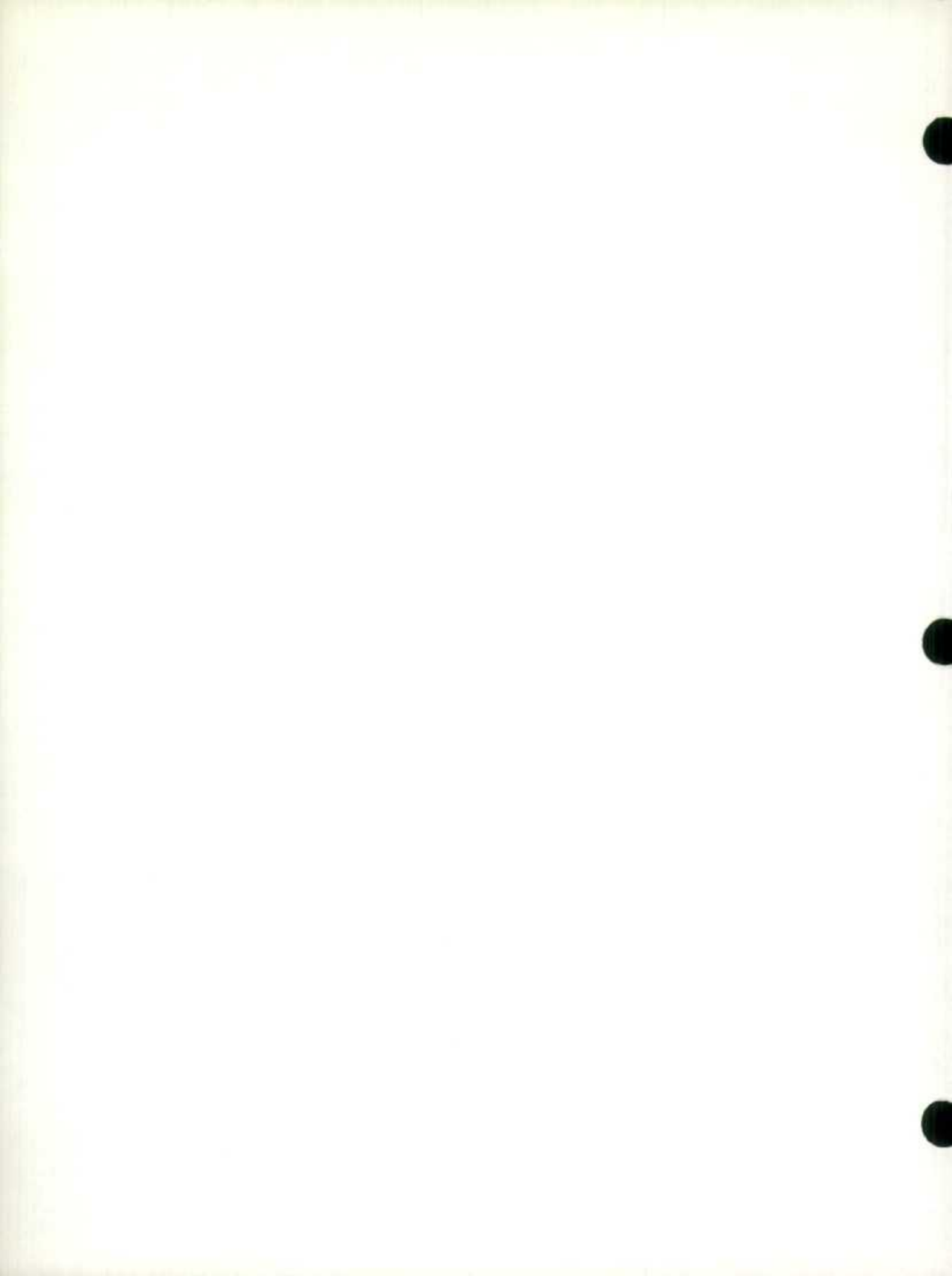
E. Leggs.



# CONSTRUCTION IN CANADA

1967-69

DOMINION BUREAU OF STATISTICS



DOMINION BUREAU OF STATISTICS

Business Finance Division

Construction Section

CONSTRUCTION IN CANADA

1967 - 69

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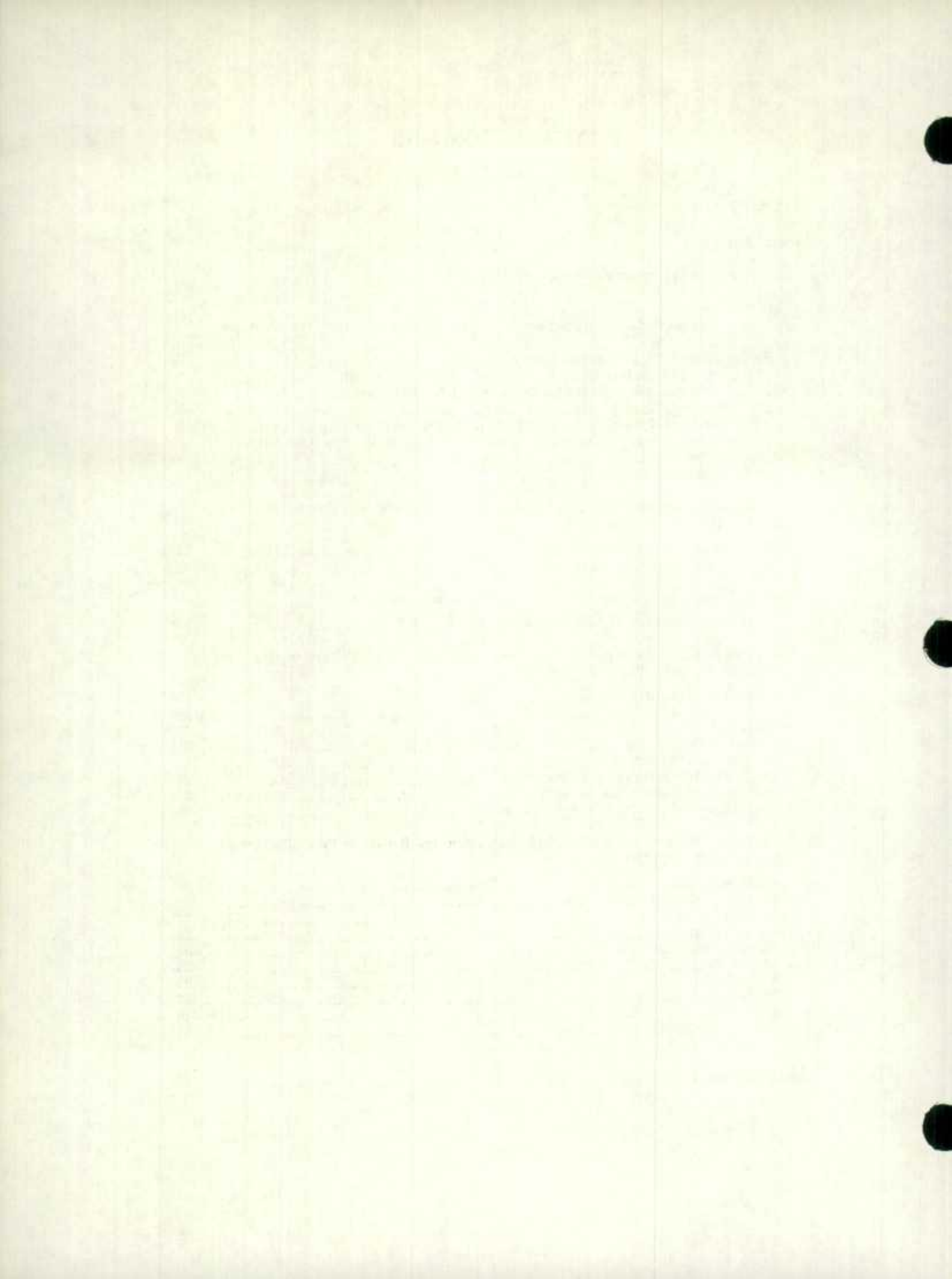
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## INTRODUCTION

This report contains data on the total value of construction put in place during 1967 and 1968 and provides estimates of the intended programme for 1969. The information presented for 1968 is preliminary whereas that shown for 1967 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

1969". 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 1969 are expected to rise to about \$13.3 billion from about \$12.2 billion in 1968 or by 8.4 per cent. The 1969 percentage increase over the previous year compares with increases of 3.2 per cent and 5.6 per cent realized in 1967 and 1968 respectively. With the exceptions of Prince Edward Island and Saskatchewan, all provinces are expected to record increases in construction expenditures in 1969.

The intended 1969 spending on new construction at \$11.0 billion will probably be 8.9 per cent higher than 1968; while, the repair portion, amounting to just over \$2.2 billion, will show an approximate increase of 5.9 per cent. The proportion of the complete programme to be performed under contract during 1969 will remain comparable to last year's proportion (80.6 per cent). Of the total value of construction to be put in place during 1969, the engineering portion is estimated to account for 39.5 per cent of the total activity and will probably show an increase of 5.7 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, electric power construction and road, highway and aerodrome construction. The greatest percentage increase in the engineering group of structures will probably occur in the categories of water works and sewage systems, gas and oil facilities and marine construction. Building construction will probably rise by 10.1 per cent with the largest percentage and dollar volume increases in residential buildings and commercial type buildings such as office buildings, stores, warehouses, hotels etc.

The analysis of the total value of work to be put in place in 1969 by the various industries reveals some significant variations over 1968. The Commercial sector shows the largest percentage increase (26.8 per cent) followed closely by the Trade sector (24.5 per cent), while the largest increase in terms of dollar volume will probably occur in Housing.

**TABLE A. Total Value of Construction Work Performed - Percentage Variation from Year to Year in Terms of Current and Constant Dollars, 1960-69<sup>1,2</sup>**

Year	Current dollars		Constant 1957 dollars	
	Amount	Variation	Amount	Variation
	\$ mill	%	\$ mill	%
1960	6,886	- 2.7	6,525	- 4.7
1961	6,974	1.3	6,659	2.1
1962	7,296	4.6	6,794	2.0
1963	7,716	5.8	6,930	2.0
1964	8,634	11.9	7,441	7.4
1965	9,868	14.3	7,972	7.1
1966	11,237	13.9	8,566	7.5
1967	11,594	3.2	8,454	- 1.3
1968	12,242	5.6	8,486	.4
1969	13,266	8.4	-	-

<sup>1</sup> For the Dominion Bureau of Statistics report "Private and Public Investment in Canada" the total value of construction work performed amounted to \$11,593 millions in 1967 and \$12,242 millions in 1968 and \$13,262 millions in 1969. The small differences are due to rounding procedures.

<sup>2</sup> Actual expenditures 1960-67, preliminary actual 1968, intentions 1969.

**TABLE B. Capital and Repair Expenditures - Summary by Sectors, Canada, 1967-69<sup>1,2,3</sup>**  
(Millions of dollars)

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
Agriculture and fishing <sup>2</sup>	1967	255	860	1,115	99	219	318	354	1,079	1,433
	1968	254	765	1,019	99	230	329	353	995	1,343
	1969	253	767	1,020	98	232	330	351	999	1,350
Forestry	1967	38	48	86	19	51	70	57	99	136
	1968	43	41	84	17	47	64	60	88	144
	1969	48	52	100	18	47	65	66	99	155
Mining, quarrying and oil wells <sup>2</sup>	1967	762	289	1,051	72	188	260	834	477	1,411
	1968	742	298	1,040	83	226	309	825	524	1,349
	1969	751	269	1,020	86	226	312	837	495	1,332
Manufacturing	1967	677	1,857	2,534	180	976	1,156	857	2,833	3,690
	1968	584	1,634	2,218	178	981	1,159	762	2,615	3,377
	1969	619	1,921	2,540	194	1,008	1,202	813	2,929	3,742
Utilities	1967	1,748	1,397	3,145	347	672	1,019	2,095	2,069	4,164
	1968	1,856	1,412	3,268	339	644	983	2,195	2,056	4,251
	1969	1,977	1,489	3,466	365	683	1,048	2,342	2,172	4,514
Construction industry	1967	14	230	244	6	200	206	20	430	450
	1968	14	240	254	5	180	185	19	420	439
	1969	15	250	265	6	210	216	21	460	481
Housing	1967	2,352	-	2,352	713	-	713	3,065	-	3,065
	1968	2,844	-	2,844	729	-	729	3,573	-	3,573
	1969	3,200	-	3,200	772	-	772	3,972	-	3,972
Trade - Wholesale and retail	1967	205	337	542	65	74	139	270	411	681
	1968	218	306	524	54	72	126	272	378	650
	1969	280	332	612	58	76	134	338	408	746
Finance, insurance and real estate	1967	417	81	498	28	11	39	445	92	537
	1968	384	87	471	29	11	40	413	98	511
	1969	425	85	510	28	11	39	453	96	549
Commercial services	1967	142	352	494	23	71	94	165	423	588
	1968	105	349	454	26	70	96	131	419	550
	1969	145	416	561	21	82	103	166	498	664
Institutional services	1967	1,107	208	1,315	88	25	113	1,195	233	1,428
	1968	1,201	214	1,415	96	25	121	1,297	239	1,536
	1969	1,287	233	1,520	105	27	132	1,392	260	1,652
Government departments	1967	1,731	215	1,946	505	68	573	2,236	283	2,519
	1968	1,891	196	2,087	451	75	526	2,342	271	2,613
	1969	2,034	198	2,232	477	73	550	2,511	271	2,782
<b>Totals</b>	1967	<b>9,448</b>	<b>5,874</b>	<b>15,322</b>	<b>2,145</b>	<b>2,555</b>	<b>4,700</b>	<b>11,593</b>	<b>8,429</b>	<b>20,022</b>
	1968	<b>10,136</b>	<b>5,542</b>	<b>15,678</b>	<b>2,106</b>	<b>2,561</b>	<b>4,667</b>	<b>12,242</b>	<b>8,103</b>	<b>20,345</b>
	1969	<b>11,034</b>	<b>6,012</b>	<b>17,046</b>	<b>2,228</b>	<b>2,675</b>	<b>4,903</b>	<b>13,262</b>	<b>8,687</b>	<b>21,949</b>

<sup>1</sup> Table from "Private and Public Investment in Canada, Outlook 1969" - actual expenditures 1967, preliminary actual 1968, intentions 1969.

<sup>2</sup> 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.

<sup>3</sup> 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. The 1967 increase in level therefore reflects upward revisions on the part of respondents and also a modification of statistical techniques.



TABLE 1. Total Value of Construction Work Performed - Current and Constant Dollars by New and Repair, 1960 - 69<sup>1</sup>

Year	New		Repair		Total		Total construction as percentage of Gross National Product	
	Current dollars	Constant 1957 dollars	Current dollars	Constant 1957 dollars	Current dollars	Constant 1957 dollars	Current dollars	Constant 1957 dollars
	millions of dollars						per cent	
1960	5,454	5,224	1,432	1,301	6,886	6,525	19.0	19.1
1961	5,518	5,346	1,456	1,313	6,974	6,659	18.7	19.0
1962	5,787	5,475	1,509	1,319	7,296	6,794	18.1	18.2
1963	6,157	5,613	1,559	1,317	7,716	6,930	17.8	17.6
1964	7,004	6,119	1,630	1,322	8,634	7,441	18.2	17.8
1965	8,114	6,626	1,754	1,346	9,868	7,972	18.9	17.8
1966	9,283	7,163	1,954	1,403	11,237	8,566	19.3	18.0
1967	9,448	7,017	2,146	1,437	11,594	8,454	18.7	17.3
1968	10,136	7,166	2,106	1,320	12,242	8,486	-	-
1969	11,035	-	2,231	-	13,266	-	-	-

<sup>1</sup> Actual 1960-67, preliminary 1968, intentions 1969.

TABLE 2. Total Value of Construction Work Performed - Contractors and Others by New and Repair, 1965 - 69<sup>1,2</sup>

Year	Contract construction			Other construction <sup>2</sup>			Total construction		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
1965	6,904	966	7,870	1,210	788	1,998	8,114	1,754	9,868
1966	8,062	1,061	9,123	1,221	893	2,114	9,283	1,954	11,237
1967	8,075	1,170	9,245	1,373	976	2,349	9,448	2,146	11,594
1968	8,695	1,176	9,871	1,441	930	2,371	10,136	2,106	12,242
1969	9,485	1,247	10,732	1,550	984	2,534	11,035	2,231	13,266

<sup>1</sup> Actual 1965-67, preliminary 1968, intentions 1969.

<sup>2</sup> 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 3. Total Value of Construction Work Performed - Principal Type of Construction, 1965 - 69<sup>1,2</sup>

Type of construction	1965		1966		1967		1968		1969	
	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	%
<b>Total construction</b>	<b>9,868</b>	<b>100.0</b>	<b>11,237</b>	<b>100.0</b>	<b>11,594</b>	<b>100.0</b>	<b>12,242</b>	<b>100.0</b>	<b>13,266</b>	<b>100.0</b>
<b>Total building construction<sup>2</sup></b>	<b>5,906</b>	<b>59.9</b>	<b>6,661</b>	<b>59.3</b>	<b>6,826</b>	<b>58.9</b>	<b>7,283</b>	<b>59.5</b>	<b>8,022</b>	<b>60.5</b>
Residential	2,752	27.9	2,843	25.3	3,065	26.4	3,573	29.2	3,973	30.0
Industrial	776	7.9	1,001	8.9	870	7.5	731	6.0	784	5.9
Commercial	1,015	10.3	1,250	11.1	1,221	10.5	1,156	9.4	1,301	9.8
Institutional	1,019	10.3	1,170	10.4	1,258	10.9	1,397	11.4	1,504	11.3
Other building	344	3.5	397	3.6	412	3.6	426	3.5	460	3.5
<b>Total engineering</b>	<b>3,962</b>	<b>40.1</b>	<b>4,576</b>	<b>40.7</b>	<b>4,768</b>	<b>41.1</b>	<b>4,959</b>	<b>40.5</b>	<b>5,244</b>	<b>39.5</b>
Marine	107	1.1	130	1.2	143	1.2	135	1.1	147	1.1
Road highway and aerodrome construction	1,067	10.7	1,230	10.9	1,283	11.1	1,210	9.9	1,273	9.6
Waterworks and sewage systems	361	3.7	405	3.6	385	3.3	445	3.6	506	3.8
Dams and irrigation	292	3.0	233	2.1	163	1.4	166	1.4	176	1.3
Electric power construction	576	5.8	743	6.6	859	7.4	965	7.9	1,033	7.8
Railway, telephone and telegraph construction	406	4.1	483	4.3	516	4.5	494	4.0	532	4.0
Gas and oil facilities	633	6.4	687	6.1	742	6.4	879	7.2	959	7.2
Other engineering construction	520	5.3	665	5.9	677	5.8	665	5.4	618	4.7

<sup>1</sup> Actual 1965-67, preliminary 1968, intentions 1969.

<sup>2</sup> Estimates for types of structure in agriculture have been compiled for 1963, 1964, 1965, 1966, 1967, 1968 and 1969 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.

TABLE 4. Total Value of Construction Work Performed - Principal Type of Construction by Industry, 1967-69<sup>1,2,3</sup>

Industry	1967			1968			1969		
	Building	Engineering	Total	Building	Engineering	Total	Building	Engineering	Total
	thousands of dollars								
<b>Totals</b> .....	<b>6,825,680</b>	<b>4,768,349</b>	<b>11,594,029</b>	<b>7,282,651</b>	<b>4,958,951</b>	<b>12,241,602</b>	<b>8,022,005</b>	<b>5,244,473</b>	<b>13,266,478</b>
Agriculture and fishing <sup>2</sup> .....	229,642	123,905	353,547	229,194	123,680	352,874	227,699	122,876	350,575
Forestry .....	9,728	47,862	57,590	8,525	51,420	59,945	10,251	56,231	66,482
Mining, quarrying and oil wells <sup>3</sup> .....	165,747	668,553	834,300	162,985	662,015	825,000	163,173	674,427	837,600
Construction .....	19,658	342	20,000	18,642	358	19,000	20,596	404	21,000
Manufacturing .....	660,274	197,081	857,355	541,828	219,511	761,339	583,344	230,514	813,858
Utilities .....	197,447	1,896,981	2,094,428	198,975	1,996,105	2,195,080	235,836	2,106,512	2,342,348
Trade - Wholesale and retail .....	256,301	13,973	270,274	259,433	12,361	271,794	318,198	20,144	338,342
Finance, insurance and real estate .....	437,092	7,214	444,306	403,916	9,021	412,937	449,534	3,652	453,186
Commercial services .....	149,771	15,881	165,652	127,885	3,514	131,399	164,664	1,903	166,567
Housing .....	3,064,700	-	3,064,700	3,572,400	-	3,572,400	3,972,600	-	3,972,600
Institutional services .....	1,183,816	11,756	1,195,572	1,286,518	10,707	1,297,225	1,385,027	7,037	1,392,064
Government departments .....	451,504	1,784,801	2,236,305	472,350	1,870,259	2,342,609	491,083	2,020,773	2,511,856

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.  
<sup>2</sup> See footnote 2, Table 3.  
<sup>3</sup> See footnote 3, Table 3.

TABLE 5. Total Value of Construction Work Performed - Dollar and Percentage Variation by Principal Type of Construction by Industry, 1967-69<sup>1,2,3</sup>

Industry	Variation 1967 to 1968						Variation 1968 to 1969					
	Building		Engineering		Total		Building		Engineering		Total	
	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%	\$ Mill	%
<b>Totals</b> .....	<b>457</b>	<b>6.7</b>	<b>191</b>	<b>4.0</b>	<b>648</b>	<b>5.6</b>	<b>739</b>	<b>10.2</b>	<b>286</b>	<b>5.8</b>	<b>1,025</b>	<b>8.4</b>
Agriculture and fishing <sup>2</sup> .....	- 1	- .2	-	- .2	- 1	- .2	- 1	- .7	- 1	- .7	- 2	- .7
Forestry .....	- 2	- 12.4	4	7.4	2	4.1	2	20.2	5	9.4	7	10.9
Mining, quarrying and oil wells <sup>3</sup> .....	- 3	- 1.7	- 6	- 1.0	- 9	- 1.1	-	.1	13	1.9	13	1.5
Construction .....	- 1	- 5.2	-	4.7	- 1	- 5.0	2	10.5	-	12.8	2	10.5
Manufacturing .....	- 118	- 17.9	22	11.4	- 96	- 11.2	41	7.7	11	5.0	52	6.9
Utilities .....	2	.8	99	5.2	101	4.8	37	18.5	110	5.5	147	6.7
Trade - Wholesale and retail .....	3	1.2	- 2	- 11.5	1	.6	59	22.7	8	63.0	67	24.5
Finance, insurance and real estate .....	- 33	- 7.6	2	25.0	- 31	- 7.1	45	11.3	- 5	- 59.5	40	9.7
Commercial services .....	- 22	- 14.6	- 12	- 77.9	- 34	- 20.7	37	28.8	- 2	- 45.8	35	26.8
Housing .....	508	16.6	-	-	508	16.6	400	11.2	-	-	400	11.2
Institutional services .....	103	6.7	- 1	- 8.9	102	8.5	99	7.7	- 4	- 34.3	95	7.3
Government departments .....	21	4.6	85	4.8	106	4.8	18	4.0	151	8.0	169	7.3

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.  
<sup>2</sup> See footnote 2, Table 3.  
<sup>3</sup> See footnote 3, Table B.

TABLE 6. Total Value of Construction Work Performed—Type of Structure, 1965-69

Type of structure	1965	1966	1967	1968	1969
	thousands of dollars				
<b>Total value of construction</b> .....	<b>9,867,919</b>	<b>11,237,395</b>	<b>11,594,029</b>	<b>12,241,602</b>	<b>13,266,478</b>
<b>Total building construction</b> .....	<b>5,905,641</b>	<b>6,660,824</b>	<b>6,825,680</b>	<b>7,282,651</b>	<b>8,022,005</b>
<b>Residential</b> .....	<b>2,751,500</b>	<b>2,842,600</b>	<b>3,064,700</b>	<b>3,572,400</b>	<b>3,972,600</b>
<b>Industrial</b> .....	<b>775,456</b>	<b>1,000,922</b>	<b>869,820</b>	<b>730,912</b>	<b>784,056</b>
2. Factories, plants, workshops, food canneries .....	679,909	808,285	692,815	562,146	625,950
3. Mine and mine mill buildings .....	63,944	156,578	136,662	137,409	120,826
4. Railway stations, offices, roadway buildings .....	20,435	23,125	27,912	18,999	21,477
5. Railway shops, engine houses, water and fuel stations .....	11,168	12,934	12,431	12,358	15,803
<b>Commercial</b> .....	<b>1,015,114</b>	<b>1,249,897</b>	<b>1,221,282</b>	<b>1,156,340</b>	<b>1,300,837</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	80,469	103,881	114,664	134,290	120,705
7. Grain elevators .....	18,052	34,317	46,026	27,131	14,785
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	97,415	119,152	95,290	71,262	99,842
9. Office buildings .....	408,965	454,195	479,029	486,801	549,377
10. Stores, retail and wholesale .....	252,188	303,237	266,626	247,618	305,645
11. Garages and service stations .....	56,501	52,918	80,252	89,375	108,456
12. Theatres, arenas, amusement and recreational buildings .....	98,306	178,172	136,273	95,127	99,426
13. Laundries and dry cleaning establishments .....	3,218	4,025	3,122	4,736	2,601
<b>Institutional</b> .....	<b>1,019,315</b>	<b>1,170,566</b>	<b>1,257,989</b>	<b>1,397,057</b>	<b>1,504,404</b>
14. Schools and other educational buildings .....	671,696	800,871	903,595	1,000,090	1,008,131
15. Churches and other religious buildings .....	58,511	55,036	50,163	38,842	38,047
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	184,569	210,321	224,631	252,400	341,319
17. Other institutional buildings .....	104,539	104,338	79,600	105,725	116,907
<b>Other building construction</b> .....	<b>344,256</b>	<b>396,839</b>	<b>411,889</b>	<b>425,942</b>	<b>460,108</b>
18. Farm buildings (excluding dwellings) .....	192,341	233,985	235,286	236,887	235,764
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	44,192	39,321	38,459	44,124	60,340
20. Aeroplane hangars .....	3,755	5,085	5,538	12,652	17,600
21. Passenger terminals, bus, boat or air .....	10,029	27,662	23,287	13,489	21,864
22. Armouries, barracks, drill halls, etc. ....	21,425	18,629	12,986	9,450	10,259
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	15,277	17,086	23,398	20,269	22,189
24. Other building construction .....	57,237	55,071	72,935	89,071	92,092
<b>Total engineering construction</b> .....	<b>3,962,278</b>	<b>4,576,571</b>	<b>4,768,349</b>	<b>4,958,951</b>	<b>5,244,473</b>
<b>Marine construction</b> .....	<b>107,349</b>	<b>130,033</b>	<b>142,448</b>	<b>134,935</b>	<b>147,534</b>
25. Docks, wharves, piers, breakwaters .....	55,575	69,795	75,656	78,439	77,921
26. Retaining walls, embankments, riprapping .....	6,904	12,925	16,636	5,531	6,847
27. Canals and waterways .....	24,873	31,561	23,639	22,600	30,764
28. Dredging and pile driving .....	11,959	7,291	11,746	14,023	15,227
29. Dyke construction .....	518	1,157	4,051	1,914	2,056
30. Logging booms .....	1,772	1,463	1,146	990	619
31. Other marine construction .....	5,748	5,841	9,574	11,438	14,100

See footnotes at end of table.



TABLE 5. Total Value of Construction Work Performed - Type of Structure 1965-1969 - Concluded

Type of structure	1965	1966	1967	1968	1969
	thousands of dollars				
<b>Road, highway and aerodrome construction</b> .....	<b>1,067,021</b>	<b>1,230,145</b>	<b>1,282,884</b>	<b>1,210,377</b>	<b>1,272,677</b>
32. Hard surfaced or paved streets, highways, parking lots, etc.....	678,324	756,265	788,930	882,764	940,241
33. Gravel or stone streets, highways, roads, parking lots, etc.....	264,039	297,281	330,974	164,527	163,449
34. Dirt, clay or other streets, roads, parking lots, etc.....	46,646	74,204	68,047	66,286	82,715
35. Grading, scraping, oiling, filling.....	32,735	58,815	58,464	57,997	50,791
36. Sidewalks, paths.....	27,454	24,459	22,652	24,879	24,895
37. Aerodromes, landing fields, runways, tarmac.....	17,823	19,121	13,817	11,924	10,586
<b>Waterworks and sewage systems</b> .....	<b>361,294</b>	<b>405,229</b>	<b>385,380</b>	<b>445,438</b>	<b>506,330</b>
38. Tile drains, drainage ditches, storm sewers.....	31,218	40,684	43,488	58,652	56,152
39. Water mains, hydrants and services.....	131,427	138,359	135,807	130,964	143,086
40. Sewage systems and connections.....	163,266	183,446	171,953	228,706	265,648
41. Pumping stations, water.....	26,560	32,929	27,949	22,460	34,164
42. Water storage tanks.....	8,823	9,811	6,183	6,656	7,280
<b>Dams and irrigation</b> .....	<b>291,608</b>	<b>233,105</b>	<b>163,283</b>	<b>165,661</b>	<b>175,702</b>
43. Dams and reservoirs.....	266,814	188,134	129,770	129,241	137,318
44. Irrigation and land reclamation projects.....	24,794	44,971	33,513	36,420	38,384
<b>Electric power construction</b> .....	<b>576,289</b>	<b>742,452</b>	<b>859,371</b>	<b>964,847</b>	<b>1,032,852</b>
45. Electric power generating plants, including water conveying and controlling structures.....	190,404	350,075	476,628	466,626	443,587
46. Electric transformer stations.....	52,815	39,094	44,212	81,349	78,821
47. Power transmission and distribution lines, trolley wires.....	308,719	324,012	308,840	394,666	486,020
48. Street lighting.....	24,351	29,271	29,691	22,206	24,349
<b>Railway, telephone and telegraph</b> .....	<b>405,638</b>	<b>483,076</b>	<b>515,431</b>	<b>493,647</b>	<b>532,441</b>
49. Railway tracks and roadbed.....	202,891	235,798	265,392	232,176	262,056
50. Signals and interlockers.....	16,021	24,757	22,899	22,346	27,343
51. Telegraph and telephone lines, underground and marine cables.....	186,726	222,521	227,140	239,125	243,066
<b>Gas and oil facilities</b> .....	<b>633,471</b>	<b>687,320</b>	<b>742,129</b>	<b>878,758</b>	<b>959,315</b>
52. Gas mains and services.....	50,945	66,100	53,504	83,706	101,140
53. Pumping stations, oil.....	3,444	5,470	6,804	9,681	8,872
54. Pumping stations, gas.....	4,382	9,856	10,788	29,988	23,101
55. Oil storage tanks.....	10,077	16,304	16,620	17,952	17,883
56. Gas storage tanks.....	1,418	5,325	3,190	2,746	4,837
57. Oil pipe lines.....	42,056	70,449	71,705	47,478	40,723
58. Gas pipe lines.....	51,249	53,781	72,521	119,600	76,540
59. Oil wells.....	290,334	240,849	216,411	271,205	331,919
60. Gas wells.....	70,363	91,337	101,020	92,676	101,215
61. Oil refinery - Processing units <sup>1</sup> .....	64,853	86,217	114,410	129,728	178,989
62. Natural gas cleaning plants.....	44,350	41,632	75,156	73,998	74,096
<b>Other engineering construction</b> .....	<b>519,608</b>	<b>665,211</b>	<b>677,423</b>	<b>665,288</b>	<b>617,619</b>
63. Bridges, trestles, culverts, overpasses, viaducts.....	215,693	218,967	192,906	230,088	244,287
64. Tunnels and subways.....	61,107	67,803	63,864	21,761	36,627
65. Incinerators.....	273	185	274	273	241
66. Park systems, landscaping, sodding, etc.....	11,707	34,342	23,077	18,165	18,053
67. Swimming pools, tennis courts, outdoor recreation facilities.....	3,877	4,244	7,984	5,622	7,803
68. Mine shafts and other below surface workings.....	58,707	98,401	165,659	155,062	102,440
69. Fences, snowsheds, signs, guard rails.....	43,827	43,863	47,965	44,991	44,051
70. Other engineering construction.....	124,417	197,406	175,694	189,326	163,518

<sup>1</sup> Actual 1965-67, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Item 61 "Oil refinery - Processing units" includes related structures employed in production of petrochemicals.

<sup>4</sup> See footnote 3, Table B.



TABLE 7. Total Value of Construction Work Performed - Labour Content and Cost of Materials Used by Province, 1965-69<sup>1,2</sup>

Province and year	Labour content		Cost of materials used	Value of work performed
	Number	Value		
			thousands of dollars	
<b>Canada:</b>				
1965 .....	593,093	3,275,806	4,764,920	9,867,919
1966 .....	599,940	3,699,433	5,145,560	11,237,395
1967 .....	580,588	3,903,616	5,074,682	11,594,029
1968 .....	578,825	4,100,719	5,366,753	12,241,602
1969 .....	587,059	4,443,870	5,828,067	13,266,478
<b>Newfoundland:</b>				
1965 .....	13,382	58,824	79,199	186,305
1966 .....	15,157	73,614	97,486	256,256
1967 .....	14,397	76,298	120,527	270,729
1968 .....	16,593	97,207	151,353	339,636
1969 .....	16,999	107,468	170,424	378,080
<b>Prince Edward Island:</b>				
1965 .....	2,825	11,142	18,258	39,160
1966 .....	2,920	13,549	19,266	44,476
1967 .....	2,432	12,213	15,842	37,111
1968 .....	2,318	11,436	15,068	34,949
1969 .....	2,085	10,951	14,582	33,188
<b>Nova Scotia:</b>				
1965 .....	21,244	88,375	120,328	256,356
1966 .....	22,792	103,644	144,190	314,655
1967 .....	21,714	106,706	141,058	323,329
1968 .....	20,112	109,106	148,714	336,937
1969 .....	24,199	141,865	194,114	439,498
<b>New Brunswick:</b>				
1965 .....	19,131	80,833	128,450	255,314
1966 .....	17,767	87,363	138,190	282,378
1967 .....	16,976	90,834	135,968	295,497
1968 .....	15,924	82,621	127,238	268,832
1969 .....	16,516	91,612	141,572	298,339
<b>Quebec:</b>				
1965 .....	158,996	853,898	1,311,746	2,616,761
1966 .....	150,198	885,182	1,253,072	2,688,832
1967 .....	128,607	856,265	1,142,602	2,542,813
1968 .....	128,773	887,130	1,194,201	2,674,621
1969 .....	125,048	920,966	1,241,401	2,783,027
<b>Ontario:</b>				
1965 .....	189,239	1,102,276	1,554,190	3,171,774
1966 .....	202,898	1,296,600	1,755,239	3,786,950
1967 .....	203,440	1,376,783	1,755,132	3,928,994
1968 .....	202,347	1,469,296	1,875,073	4,206,469
1969 .....	211,488	1,645,065	2,104,900	4,709,776
<b>Manitoba:</b>				
1965 .....	29,820	142,431	194,399	415,113
1966 .....	30,061	158,433	217,658	485,234
1967 .....	30,251	188,564	238,928	557,722
1968 .....	30,115	220,975	277,309	645,172
1969 .....	31,563	248,914	313,090	728,184

See footnotes at end of table.

TABLE 7. Total Value of Construction Work Performed - Labour Content and Cost of Materials Used by Province, 1965 - 69<sup>1,2</sup> - Concluded

Province and year	Labour content		Cost of materials used	Value of work performed
	Number	Value		
			thousands of dollars	
<b>Saskatchewan:</b>				
1965 .....	34,880	182,669	258,827	564,983
1966 .....	36,355	204,466	297,802	658,701
1967 .....	32,971	213,846	290,386	668,638
1968 .....	29,573	215,104	292,111	672,567
1969 .....	27,113	209,760	284,769	655,458
<b>Alberta:</b>				
1965 .....	58,591	333,813	509,543	1,093,666
1966 .....	59,509	383,463	592,698	1,276,408
1967 .....	63,378	424,120	557,540	1,348,237
1968 .....	65,888	460,341	611,145	1,465,393
1969 .....	65,657	490,193	652,549	1,561,152
<b>British Columbia:<sup>2</sup></b>				
1965 .....	64,985	421,545	589,980	1,268,487
1966 .....	62,283	493,119	629,959	1,443,505
1967 .....	66,422	557,987	676,701	1,620,959
1968 .....	67,182	547,503	674,541	1,597,026
1969 .....	66,391	577,076	710,666	1,679,776

<sup>1</sup> Actual 1965-67, preliminary 1968, intentions 1969.

<sup>2</sup> 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, 1965 - 69<sup>1,2</sup>

Year	Labour content		Cost of materials used	Value of work performed
	Number	Value		
			thousands of dollars	
<b>Total:</b>				
1965 .....	593,093	3,275,806	4,764,920	9,867,919
1966 .....	599,940	3,699,433	5,145,560	11,237,395
1967 .....	580,588	3,903,616	5,074,682	11,594,029
1968 .....	578,825	4,100,719	5,366,753	12,241,602
1969 .....	587,059	4,443,870	5,828,067	13,266,478
<b>Contractors:</b>				
1965 .....	427,667	2,411,549	3,882,517	7,869,858
1966 .....	449,870	2,837,248	4,279,340	9,123,023
1967 .....	432,125	2,965,199	4,096,585	9,244,604
1968 .....	436,202	3,151,593	4,384,038	9,870,741
1969 .....	444,551	3,430,886	4,778,472	10,731,872
<b>Utilities:</b>				
1965 .....	68,629	396,922	431,615	907,581
1966 .....	56,502	363,088	454,556	936,427
1967 .....	61,234	428,950	549,441	1,096,254
1968 .....	57,455	425,405	540,557	1,085,324
1969 .....	58,462	459,976	583,589	1,172,475
<b>Governments:</b>				
1965 .....	62,721	290,735	216,517	634,533
1966 .....	64,581	333,991	199,581	684,701
1967 .....	58,242	329,012	216,744	739,442
1968 .....	56,163	334,075	219,270	750,650
1969 .....	55,614	355,558	233,468	799,229
<b>Miscellaneous:</b>				
1965 .....	34,076	176,600	234,271	455,947
1966 .....	28,987	165,106	212,083	493,244
1967 .....	28,987	180,455	211,912	513,799
1968 .....	29,005	189,646	222,888	534,887
1969 .....	28,432	197,450	232,538	562,902

<sup>1</sup> Actual 1965-67, preliminary 1968, intentions 1969.

<sup>2</sup> 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, 1967-69

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>9,448,316</b>	<b>2,145,713</b>	<b>11,594,029</b>	<b>10,135,686</b>	<b>2,105,916</b>	<b>12,241,602</b>	<b>11,035,078</b>	<b>2,231,400</b>	<b>13,266,478</b>
<b>Total building construction</b> .....	<b>5,542,059</b>	<b>1,283,621</b>	<b>6,825,680</b>	<b>5,999,922</b>	<b>1,282,729</b>	<b>7,282,651</b>	<b>6,676,750</b>	<b>1,345,255</b>	<b>8,022,005</b>
<b>Residential</b> .....	<b>2,351,600</b>	<b>713,100</b>	<b>3,064,700</b>	<b>2,843,500</b>	<b>728,900</b>	<b>3,572,400</b>	<b>3,200,300</b>	<b>772,300</b>	<b>3,972,600</b>
<b>Industrial</b> .....	<b>685,083</b>	<b>184,737</b>	<b>869,820</b>	<b>560,243</b>	<b>170,669</b>	<b>730,912</b>	<b>597,128</b>	<b>186,928</b>	<b>784,056</b>
2. Factories, plants, workshops, food canneries .....	550,360	142,455	692,815	429,720	132,426	562,146	479,205	146,745	625,950
3. Mine and mine mill buildings .....	115,097	21,565	136,662	117,149	20,260	137,409	99,554	21,272	120,826
4. Railway stations, offices, roadway buildings .....	14,037	13,875	27,912	7,709	11,290	18,999	9,563	11,914	21,477
5. Railway shops, engine houses, water and fuel stations .....	5,589	6,842	12,431	5,665	6,693	12,358	8,806	6,997	15,803
<b>Commercial</b> .....	<b>1,035,630</b>	<b>185,652</b>	<b>1,221,282</b>	<b>989,775</b>	<b>166,565</b>	<b>1,156,340</b>	<b>1,126,614</b>	<b>174,223</b>	<b>1,300,837</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	97,044	17,620	114,664	115,678	18,612	134,290	100,721	19,984	120,705
7. Grain elevators .....	36,932	9,094	46,026	21,164	5,967	27,131	9,780	5,005	14,785
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	78,655	16,635	95,290	56,042	15,220	71,262	84,807	15,035	99,842
9. Office buildings .....	416,016	63,013	479,029	427,503	59,298	486,801	482,997	66,380	549,377
10. Stores, retail and wholesale .....	214,737	51,889	266,626	210,996	36,622	247,618	266,497	39,148	305,645
11. Garages and service stations .....	63,637	16,615	80,252	72,757	16,618	89,375	90,433	18,023	108,456
12. Theatres, arenas, amusement and recreational buildings .....	126,935	9,338	136,273	82,317	12,810	95,127	90,079	9,347	99,426
13. Laminates and dry cleaning establishments .....	1,674	1,448	3,122	3,318	1,418	4,736	1,300	1,301	2,601
<b>Institutional</b> .....	<b>1,159,510</b>	<b>98,479</b>	<b>1,257,989</b>	<b>1,287,208</b>	<b>109,849</b>	<b>1,397,057</b>	<b>1,383,091</b>	<b>121,313</b>	<b>1,504,404</b>
14. Schools and other educational buildings .....	854,020	49,575	903,595	945,454	54,636	1,000,090	945,602	62,529	1,008,131
15. Churches and other religious buildings .....	42,735	7,428	50,163	31,401	7,441	38,842	31,438	6,609	38,047
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	192,344	32,287	224,631	217,038	35,362	252,400	302,556	38,763	341,319
17. Other institutional buildings .....	70,411	9,189	79,600	93,315	12,410	105,725	103,495	13,412	116,907
<b>Other building construction</b> .....	<b>310,236</b>	<b>101,653</b>	<b>411,889</b>	<b>319,196</b>	<b>106,746</b>	<b>425,942</b>	<b>369,617</b>	<b>90,491</b>	<b>460,108</b>
18. Farm buildings (excluding dwellings) .....	170,520	64,766	235,286	172,356	64,531	236,887	171,536	64,228	235,764
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	34,765	3,694	38,459	40,055	4,069	44,124	56,232	4,108	60,340
20. Aeroplane hangars .....	2,488	3,050	5,538	11,003	1,649	12,652	15,890	1,710	17,600
21. Passenger terminals, bus, boat or air .....	21,650	1,637	23,287	12,799	690	13,489	21,156	708	21,864
22. Armouries, barracks, drill halls, etc. ....	4,322	8,664	12,986	4,237	5,213	9,450	4,642	5,617	10,259
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	18,616	4,782	23,398	15,842	4,427	20,269	16,693	5,496	22,189
24. Other building construction .....	57,875	15,060	72,935	62,904	26,167	89,071	83,468	8,624	92,092
<b>Total engineering construction</b> .....	<b>3,906,257</b>	<b>862,092</b>	<b>4,768,349</b>	<b>4,135,764</b>	<b>823,187</b>	<b>4,958,951</b>	<b>4,358,328</b>	<b>886,145</b>	<b>5,244,473</b>
<b>Marine construction</b> .....	<b>113,892</b>	<b>28,556</b>	<b>142,448</b>	<b>116,567</b>	<b>18,368</b>	<b>134,935</b>	<b>128,412</b>	<b>19,122</b>	<b>147,534</b>
25. Docks, wharves, piers, breakwaters .....	65,732	9,924	75,656	68,503	9,936	78,439	68,565	9,356	77,921
26. Retaining walls, embankments, riprapping .....	12,574	4,062	16,636	5,207	324	5,531	6,458	389	6,847
27. Canals and waterways .....	17,422	6,217	23,639	19,916	2,684	22,600	27,280	3,484	30,764
28. Dredging and pile driving .....	9,294	2,452	11,746	12,806	1,217	14,023	13,867	1,360	15,227
29. Dyke construction .....	3,814	237	4,051	1,765	149	1,914	1,894	162	2,056
30. Logging booms .....	598	548	1,146	307	683	990	157	462	619
31. Other marine construction .....	4,458	5,116	9,574	8,063	3,375	11,438	10,191	3,909	14,100

See footnotes at end of table.



TABLE 9. Total Value of Construction Work Performed—Type of Structure and by New and Repair—Canada, 1967-69<sup>1,2,3,4</sup>—Continued

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>955,344</b>	<b>327,540</b>	<b>1,282,884</b>	<b>946,971</b>	<b>263,406</b>	<b>1,210,377</b>	<b>961,710</b>	<b>310,967</b>	<b>1,272,677</b>
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	593,528	195,402	788,930	693,642	189,122	882,764	712,204	228,037	940,241
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	253,126	77,848	330,974	129,061	35,466	164,527	124,846	38,603	163,449
34. Dirt, clay or other streets, roads, parking lots, etc. ....	40,778	27,269	68,047	53,106	15,180	68,286	63,762	18,953	82,715
35. Grading, scraping, oiling, filling. ....	40,205	18,259	58,464	43,214	14,783	57,997	34,618	16,173	50,791
36. Sidewalks, paths .....	15,118	7,534	22,652	16,892	7,987	24,879	16,605	8,290	24,895
37. Aerodromes, landing fields, runways, tarmac .....	12,589	1,228	13,817	11,056	868	11,924	9,675	911	10,586
<b>Waterworks and sewage systems</b> .....	<b>314,251</b>	<b>71,129</b>	<b>385,380</b>	<b>373,182</b>	<b>72,256</b>	<b>445,438</b>	<b>431,493</b>	<b>74,837</b>	<b>506,330</b>
38. Tile drains, drainage ditches, storm sewers .....	31,609	11,879	43,488	48,512	10,140	58,652	46,558	9,594	56,152
39. Water mains, hydrants and services .....	105,110	30,697	135,807	100,164	30,800	130,964	110,264	32,822	143,086
40. Sewage systems and connections .....	147,431	24,522	171,953	199,659	27,047	226,706	238,260	27,388	265,648
41. Pumping stations, water .....	25,085	2,864	27,949	19,432	3,028	22,460	30,349	3,815	34,164
42. Water storage tanks .....	5,016	1,167	6,183	5,415	1,241	6,656	6,062	1,218	7,280
<b>Dams and irrigation</b> .....	<b>152,145</b>	<b>11,138</b>	<b>163,283</b>	<b>154,384</b>	<b>11,277</b>	<b>165,661</b>	<b>163,413</b>	<b>12,289</b>	<b>175,702</b>
43. Dams and reservoirs .....	127,594	2,176	129,770	127,339	1,902	129,241	135,037	2,281	137,318
44. Irrigation and land reclamation projects .....	24,551	8,962	33,513	27,045	9,375	36,420	28,376	10,008	38,384
<b>Electric power construction</b> .....	<b>789,537</b>	<b>69,834</b>	<b>859,371</b>	<b>886,650</b>	<b>78,197</b>	<b>964,847</b>	<b>943,717</b>	<b>89,135</b>	<b>1,032,852</b>
45. Electric power generating plants, including water conveying and controlling structures .....	460,001	16,627	476,628	442,375	24,251	466,626	414,686	28,901	443,587
46. Electric transformer stations .....	38,480	5,732	44,212	75,589	5,760	81,349	72,204	6,619	78,823
47. Power transmission and distribution lines, trolley wires .....	268,421	40,419	308,840	352,379	42,287	394,666	438,567	47,526	486,093
48. Street lighting .....	22,635	7,056	29,691	16,307	5,899	22,206	18,260	6,089	24,349
<b>Railway, telephone and telegraph</b> .....	<b>335,695</b>	<b>179,736</b>	<b>515,431</b>	<b>320,427</b>	<b>173,220</b>	<b>493,647</b>	<b>349,123</b>	<b>183,321</b>	<b>532,444</b>
49. Railway tracks and roadbed .....	156,461	108,931	265,392	125,154	107,022	232,176	149,732	112,303	262,035
50. Signals and interlockers .....	10,790	12,109	22,899	9,852	12,494	22,346	14,407	12,936	27,343
51. Telegraph and telephone lines, underground and marine cables .....	168,444	58,696	227,140	185,421	53,704	239,125	184,984	58,082	243,066
<b>Gas and oil facilities</b> .....	<b>653,724</b>	<b>88,405</b>	<b>742,129</b>	<b>776,756</b>	<b>102,002</b>	<b>878,758</b>	<b>851,703</b>	<b>107,612</b>	<b>959,315</b>
52. Gas mains and services .....	48,206	5,298	53,504	77,177	6,529	83,706	93,988	7,152	101,140
53. Pumping stations, oil .....	6,614	190	6,804	7,543	2,138	9,681	6,630	2,242	8,872
54. Pumping stations, gas .....	9,007	1,781	10,788	29,284	704	29,988	22,045	1,056	23,101
55. Oil storage tanks .....	13,371	3,249	16,620	14,347	3,605	17,952	13,745	4,138	17,883
56. Gas storage tanks .....	3,090	100	3,190	2,633	113	2,746	4,688	149	4,837
57. Oil pipe lines .....	66,316	5,389	71,705	44,373	3,105	47,478	37,311	3,412	40,723
58. Gas pipe lines .....	69,466	3,055	72,521	116,557	3,043	119,600	73,341	3,199	76,540
59. Oil wells .....	198,757	17,654	216,411	243,335	27,870	271,205	301,100	30,819	331,919
60. Gas wells .....	93,875	7,145	101,020	83,625	9,051	92,676	92,558	8,657	101,215
61. Oil refinery—Processing units <sup>3</sup> .....	79,434	34,976	114,410	90,427	39,301	129,728	139,279	39,710	178,989
62. Natural gas cleaning plants .....	65,588	9,568	75,156	67,455	6,543	73,998	67,018	7,078	74,096
<b>Other engineering construction</b> .....	<b>591,669</b>	<b>85,754</b>	<b>677,423</b>	<b>560,827</b>	<b>104,461</b>	<b>665,288</b>	<b>528,757</b>	<b>88,862</b>	<b>617,619</b>
63. Bridges, trestles, culverts, overpasses, viaducts ....	166,192	26,714	192,906	200,940	29,148	230,088	212,423	31,864	244,287
64. Tunnels and subways .....	61,593	2,271	63,864	21,249	512	21,761	36,115	512	36,627
65. Incinerators .....	175	99	274	212	61	273	170	71	241
66. Park systems, landscaping, sodding, etc. ....	17,878	5,199	23,077	12,480	5,685	18,165	12,505	5,548	18,053
67. Swimming pools, tennis courts, outdoor recreation facilities .....	6,934	1,050	7,984	4,098	1,524	5,622	5,972	1,830	7,802
68. Mine shafts and other below surface workings .....	159,809	5,850	165,659	147,399	7,663	155,062	95,600	6,840	102,440
69. Fences, snowsheds, signs, guard rails .....	33,667	14,298	47,965	32,872	12,119	44,991	32,587	12,064	44,651
70. Other engineering construction .....	145,421	30,273	175,694	141,577	47,749	189,326	133,385	30,133	163,518

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

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

<sup>4</sup> See footnote 3, Table B.

TABLE 10. Total Value of Construction Work Performed—New and Repair by Type of Structure by Primary Industries, 1967-69<sup>1,2,3,4</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>1,068,774</b>	<b>196,663</b>	<b>1,265,437</b>	<b>1,052,460</b>	<b>204,359</b>	<b>1,256,819</b>	<b>1,066,701</b>	<b>208,956</b>	<b>1,275,657</b>
<b>Total building construction</b> .....	<b>326,834</b>	<b>97,941</b>	<b>424,775</b>	<b>321,781</b>	<b>97,565</b>	<b>419,346</b>	<b>322,817</b>	<b>98,902</b>	<b>421,719</b>
<b>Residential</b> .....	—	—	—	—	—	—	—	—	—
<b>Industrial</b> .....	<b>132,004</b>	<b>24,242</b>	<b>156,246</b>	<b>126,696</b>	<b>23,542</b>	<b>150,238</b>	<b>130,018</b>	<b>25,008</b>	<b>155,026</b>
2. Factories, plants, workshops, food canneries.....	17,313	2,670	19,983	15,248	3,354	18,602	31,367	3,818	35,185
3. Mine and mine mill buildings.....	114,687	21,564	136,251	111,414	20,141	131,555	98,581	21,123	119,704
4. Railway stations, offices, roadway buildings.....	—	7	7	8	39	47	50	59	109
5. Railway shops, engine houses, water and fuel stations.....	4	1	5	26	8	34	20	8	28
<b>Commercial</b> .....	<b>15,464</b>	<b>4,779</b>	<b>20,243</b>	<b>13,916</b>	<b>4,103</b>	<b>18,019</b>	<b>11,589</b>	<b>4,548</b>	<b>16,137</b>
6. Warehouses, storehouses, refrigerated storage, etc....	4,711	1,986	6,697	4,764	1,677	6,441	4,702	1,934	6,636
7. Grain elevators.....	—	—	—	—	—	—	—	—	—
8. Hotels, clubs, restaurants, cafeterias, tourist cabins.....	499	194	693	68	163	231	—	133	133
9. Office buildings.....	8,227	2,295	10,522	6,588	1,736	8,324	5,972	2,011	7,983
10. Stores, retail and wholesale.....	222	22	244	303	299	602	—	232	232
11. Garages and service stations.....	1,061	194	1,255	2,039	167	2,206	747	181	928
12. Theatres, arenas, amusement and recreational buildings.....	744	87	831	154	59	213	168	54	222
13. Laundries and dry cleaning establishments.....	—	1	1	—	2	2	—	3	3
<b>Institutional</b> .....	<b>171</b>	<b>54</b>	<b>225</b>	<b>93</b>	<b>80</b>	<b>173</b>	<b>223</b>	<b>94</b>	<b>317</b>
14. Schools and other educational buildings.....	110	3	113	—	55	55	—	47	47
15. Churches and other religious buildings.....	—	—	—	—	—	—	—	—	—
16. Hospitals, sanatoria, clinics, first-aid stations, etc.....	55	48	103	93	25	118	223	47	270
17. Other institutional buildings.....	6	3	9	—	—	—	—	—	—
<b>Other building construction</b> .....	<b>179,195</b>	<b>68,866</b>	<b>248,061</b>	<b>181,076</b>	<b>69,840</b>	<b>250,916</b>	<b>180,987</b>	<b>69,252</b>	<b>250,239</b>
18. Farm buildings (excluding dwellings).....	164,849	64,274	229,123	164,660	63,978	228,638	163,622	63,500	227,122
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges.....	91	90	181	26	72	98	26	68	94
20. Aeroplane hangars.....	—	3	3	—	—	—	—	—	—
21. Passenger terminals, bus, boat or air.....	21	20	41	6	25	31	18	20	38
22. Armouries, barracks, drill halls, etc.....	—	—	—	5	37	42	370	30	400
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps.....	9,849	4,077	13,926	6,514	3,606	10,120	6,483	3,605	10,088
24. Other building construction.....	4,385	402	4,787	9,865	2,122	11,987	10,468	2,029	12,497
<b>Total engineering construction</b> .....	<b>741,940</b>	<b>98,722</b>	<b>840,662</b>	<b>730,679</b>	<b>106,794</b>	<b>837,473</b>	<b>743,884</b>	<b>110,054</b>	<b>853,938</b>
<b>Marine construction</b> .....	<b>2,370</b>	<b>1,394</b>	<b>3,764</b>	<b>12,593</b>	<b>1,327</b>	<b>13,920</b>	<b>9,472</b>	<b>966</b>	<b>10,438</b>
25. Docks, wharves, piers, breakwaters.....	2,043	519	2,562	9,489	582	10,071	6,704	421	7,125
26. Retaining walls, embankments, riprapping.....	—	2	2	—	7	7	—	1	1
27. Canals and waterways.....	21	52	73	194	22	216	163	24	187
28. Dredging and pile driving.....	—	178	178	2,043	86	2,129	1,933	88	2,021
29. Dyke construction.....	—	2	2	234	10	244	150	18	168
30. Logging booms.....	183	433	616	277	405	682	136	245	381
31. Other marine construction.....	123	208	331	356	215	571	386	169	555

See footnotes at end of table.



TABLE 10. Total Value of Construction Work Performed—New and Repair by Type of Structure by Primary Industries 1967-69<sup>1,2,3,4</sup>—Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>42,537</b>	<b>18,292</b>	<b>60,829</b>	<b>50,419</b>	<b>16,718</b>	<b>67,137</b>	<b>45,793</b>	<b>18,313</b>	<b>64,106</b>
32. Hard surfaced or paved streets, highways, parking lots, etc.....	811	193	1,004	2,519	284	2,803	1,513	415	1,928
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	14,076	5,885	19,961	18,560	5,510	24,070	12,414	5,939	18,353
34. Dirt, clay or other streets, roads, parking lots, etc. ....	26,791	11,885	38,676	28,605	10,632	39,237	31,106	11,660	42,766
35. Grading, scraping, oiling, filling.....	413	307	720	708	225	933	726	248	974
36. Sidewalks, paths .....	444	—	444	9	1	10	23	2	25
37. Aerodromes, landing fields, runways, tarmac .....	2	22	24	18	66	84	11	49	60
<b>Waterworks and sewage systems</b> .....	<b>43,494</b>	<b>15,669</b>	<b>59,163</b>	<b>41,074</b>	<b>15,501</b>	<b>56,575</b>	<b>39,716</b>	<b>15,398</b>	<b>55,114</b>
38. Tile drains, drainage ditches, storm sewers.....	17,946	6,927	24,873	17,945	6,907	24,852	17,631	6,852	24,483
39. Water mains, hydrants and services.....	21,063	7,201	28,264	19,577	7,180	26,757	19,059	7,140	26,199
40. Sewage systems and connections .....	425	184	609	427	79	506	357	72	429
41. Pumping stations, water .....	1,183	368	1,551	239	268	507	102	281	383
42. Water storage tanks.....	2,877	989	3,866	2,886	1,067	3,953	2,567	1,053	3,620
<b>Dams and irrigation</b> .....	<b>22,902</b>	<b>8,363</b>	<b>31,265</b>	<b>24,018</b>	<b>8,411</b>	<b>32,429</b>	<b>22,738</b>	<b>8,355</b>	<b>31,093</b>
43. Dams and reservoirs .....	2,616	453	3,069	3,753	540	4,293	2,600	539	3,139
44. Irrigation and land reclamation projects.....	20,286	7,910	28,196	20,265	7,871	28,136	20,138	7,816	27,954
<b>Electric power construction</b> .....	<b>10,407</b>	<b>1,712</b>	<b>12,119</b>	<b>5,723</b>	<b>1,161</b>	<b>6,884</b>	<b>4,355</b>	<b>1,155</b>	<b>5,510</b>
45. Electric power generating plants, including water conveying and controlling structures.....	2,722	416	3,138	897	128	1,025	616	116	732
46. Electric transformer stations.....	2,809	351	3,160	1,082	259	1,341	786	269	1,055
47. Power transmission and distribution lines, trolley wires .....	4,854	888	5,742	3,726	728	4,454	2,947	725	3,672
48. Street lighting.....	22	57	79	18	46	64	6	45	51
<b>Railway, telephone and telegraph</b> .....	<b>1,085</b>	<b>2,145</b>	<b>3,230</b>	<b>2,164</b>	<b>1,908</b>	<b>4,072</b>	<b>1,701</b>	<b>1,865</b>	<b>3,566</b>
49. Railway tracks and roadbed .....	1,065	1,879	2,944	1,889	1,772	3,661	1,573	1,719	3,292
50. Signals and interlockers .....	4	169	173	1	85	86	—	72	72
51. Telegraph and telephone lines, underground and marine cables .....	16	97	113	274	51	325	128	74	202
<b>Gas and oil facilities</b> .....	<b>357,332</b>	<b>34,054</b>	<b>391,386</b>	<b>393,774</b>	<b>43,427</b>	<b>437,201</b>	<b>459,764</b>	<b>46,522</b>	<b>506,286</b>
52. Gas mains and services .....	49	—	49	21	5	26	—	15	15
53. Pumping stations, oil .....	6	17	23	—	8	8	—	6	6
54. Pumping stations, gas.....	12	—	12	—	—	—	—	—	—
55. Oil storage tanks.....	454	1	455	—	3	3	—	3	3
56. Gas storage tanks .....	6	—	6	—	—	—	—	—	—
57. Oil pipe lines.....	—	—	—	—	—	—	—	—	—
58. Gas pipe lines .....	—	—	—	—	—	—	—	—	—
59. Oil wells .....	198,757	17,654	216,411	243,335	27,870	271,205	301,100	30,819	331,919
60. Gas wells .....	93,143	6,992	100,135	83,176	9,026	92,202	92,114	8,632	100,746
61. Oil refinery—Processing units <sup>2</sup> .....	—	—	—	—	—	—	—	—	—
62. Natural gas cleaning plants.....	64,905	9,390	74,295	67,242	6,515	73,757	66,550	7,047	73,597
<b>Other engineering construction</b> .....	<b>261,813</b>	<b>17,093</b>	<b>278,906</b>	<b>200,914</b>	<b>18,341</b>	<b>219,255</b>	<b>160,345</b>	<b>17,480</b>	<b>177,825</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	1,088	405	1,493	623	271	894	844	289	1,133
64. Tunnels and subways .....	4,448	70	4,518	1,280	1	1,281	3,288	1	3,289
65. Incinerators.....	11	—	11	22	—	22	12	—	12
66. Park systems, landscaping, sodding, etc.....	45	35	80	32	20	52	104	17	121
67. Swimming pools, tennis courts, outdoor recreation facilities....	323	43	366	—	63	63	3	60	63
68. Mine shafts and other below surface workings .....	159,809	5,850	165,659	147,399	7,663	155,062	95,600	6,840	102,440
69. Fences, snowsheds, signs, guard rails .....	25,427	9,917	35,344	25,758	9,878	35,636	25,338	9,799	35,137
70. Other engineering construction .....	70,662	773	71,435	25,800	445	26,245	35,156	474	35,630

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> Primary Industries include agriculture, fishing, mining, quarrying and oil wells, forestry and the construction industry. See also footnote 2, Table 3.

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

<sup>4</sup> See footnote 3, Table B.

TABLE 11. Total Value of Construction Work Performed - New and Repair by Type of Structure by Manufacturing Industry, 1967-69<sup>1,2,3</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>677, 149</b>	<b>180, 206</b>	<b>857, 355</b>	<b>583, 135</b>	<b>178, 204</b>	<b>761, 339</b>	<b>619, 211</b>	<b>194, 647</b>	<b>813, 858</b>
<b>Total building construction</b> .....	<b>528, 303</b>	<b>131, 971</b>	<b>660, 274</b>	<b>415, 934</b>	<b>125, 894</b>	<b>541, 828</b>	<b>444, 590</b>	<b>138, 754</b>	<b>583, 344</b>
<b>Residential</b> .....	-	-	-	-	-	-	-	-	-
<b>Industrial</b> .....	<b>483, 357</b>	<b>126, 121</b>	<b>609, 478</b>	<b>367, 022</b>	<b>120, 722</b>	<b>487, 744</b>	<b>406, 454</b>	<b>133, 586</b>	<b>540, 040</b>
2. Factories, plants, workshops, food canneries .....	482, 881	126, 118	608, 999	361, 428	120, 602	482, 030	405, 196	133, 438	538, 634
3. Mine and mine mill buildings .....	402	-	402	5, 591	99	5, 690	966	126	1, 092
4. Railway stations, offices, roadway buildings .....	54	-	54	3	21	24	102	22	124
5. Railway shops, engine houses, water and fuel stations .....	20	3	23	-	-	-	190	-	190
<b>Commercial</b> .....	<b>40, 520</b>	<b>4, 995</b>	<b>45, 515</b>	<b>46, 999</b>	<b>4, 099</b>	<b>51, 098</b>	<b>34, 256</b>	<b>4, 113</b>	<b>38, 369</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	19, 523	1, 460	20, 983	24, 637	1, 046	25, 683	16, 234	1, 268	17, 502
7. Grain elevators .....	107	35	142	52	26	78	102	30	132
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	221	71	292	35	50	85	59	54	113
9. Office buildings .....	15, 121	2, 861	17, 982	13, 801	2, 748	16, 549	11, 289	2, 533	13, 822
10. Stores, retail and wholesale .....	1, 707	372	2, 079	890	64	954	155	62	217
11. Garages and service stations .....	3, 677	183	3, 860	7, 575	140	7, 715	6, 385	145	6, 530
12. Theatres, arenas, amusement and recreational buildings .....	164	13	177	9	25	34	32	21	53
13. Laundries and dry cleaning establishments .....	-	-	-	-	-	-	-	-	-
<b>Institutional</b> .....	<b>2</b>	<b>31</b>	<b>33</b>	<b>-</b>	<b>25</b>	<b>25</b>	<b>-</b>	<b>13</b>	<b>13</b>
14. Schools and other educational buildings .....	-	2	2	-	3	3	-	3	3
15. Churches and other religious buildings .....	-	-	-	-	-	-	-	-	-
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	2	29	31	-	22	22	-	10	10
17. Other institutional buildings .....	-	-	-	-	-	-	-	-	-
<b>Other building construction</b> .....	<b>4, 424</b>	<b>824</b>	<b>5, 248</b>	<b>1, 913</b>	<b>1, 048</b>	<b>2, 961</b>	<b>3, 880</b>	<b>1, 042</b>	<b>4, 922</b>
18. Farm buildings (excluding dwellings).....	93	78	171	427	112	539	440	98	538
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	970	9	979	-	6	6	-	-	-
20. Aeroplane hangars .....	199	296	495	30	249	279	516	261	777
21. Passenger terminals, bus, boat or air .....	-	-	-	-	-	-	-	-	-
22. Armouries, barracks, drill halls, etc. ....	-	-	-	-	-	-	-	-	-
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	3, 060	408	3, 468	917	338	1, 255	2, 468	334	2, 802
24. Other building construction .....	102	33	135	539	343	882	456	349	805
<b>Total engineering construction</b> .....	<b>148, 846</b>	<b>48, 235</b>	<b>197, 081</b>	<b>167, 201</b>	<b>52, 310</b>	<b>219, 511</b>	<b>174, 621</b>	<b>55, 893</b>	<b>230, 514</b>
<b>Marine construction</b> .....	<b>9, 385</b>	<b>1, 424</b>	<b>10, 809</b>	<b>2, 084</b>	<b>1, 464</b>	<b>3, 548</b>	<b>1, 492</b>	<b>1, 551</b>	<b>3, 043</b>
25. Docks, wharves, piers, breakwaters .....	8, 386	812	9, 198	1, 532	680	2, 212	922	795	1, 717
26. Retaining walls, embankments, riprapping .....	9	7	16	221	4	225	100	10	110
27. Canals and waterways .....	1	27	28	-	1	1	-	2	2
28. Dredging and pile driving .....	55	410	465	64	498	562	36	514	550
29. Dyke construction .....	421	35	456	119	17	136	10	10	20
30. Logging booms .....	415	115	530	30	213	243	21	217	238
31. Other marine construction .....	98	18	116	118	51	169	403	3	406

See footnotes at end of table.



TABLE 11. Total Value of Construction work Performed - New and Repair by Type of Structure by Manufacturing Industry, 1967 - 69<sup>1,2,3</sup> - Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>6,485</b>	<b>2,766</b>	<b>9,251</b>	<b>7,546</b>	<b>2,685</b>	<b>10,231</b>	<b>8,074</b>	<b>2,843</b>	<b>10,917</b>
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	3,519	1,344	4,863	2,481	1,133	3,614	1,384	1,343	2,727
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	849	861	1,710	1,012	546	1,558	1,729	567	2,296
34. Dirt, clay or other streets, roads, parking lots, etc. ....	1,605	478	2,083	3,703	911	4,614	4,897	825	5,722
35. Grading, scraping, oiling, filling .....	461	55	516	324	77	401	50	66	116
36. Sidewalks, paths .....	43	28	71	12	18	30	10	32	42
37. Aerodromes, landing fields, runways, tarmac .....	8	-	8	14	-	14	4	10	14
<b>Waterworks and sewage systems</b> .....	<b>15,554</b>	<b>1,592</b>	<b>17,146</b>	<b>12,805</b>	<b>1,581</b>	<b>14,386</b>	<b>7,520</b>	<b>1,806</b>	<b>9,326</b>
38. Tile drains, drainage ditches, storm sewers .....	1,442	75	1,517	490	69	559	753	81	834
39. Water mains, hydrants and services .....	3,608	563	4,171	2,985	653	3,638	676	700	1,376
40. Sewage systems and connections .....	4,769	411	5,180	6,130	403	6,533	4,854	448	5,302
41. Pumping stations, water .....	5,148	463	5,611	3,152	391	3,543	1,125	527	1,652
42. Water storage tanks .....	587	80	667	48	65	113	112	50	162
<b>Dams and irrigation</b> .....	<b>115</b>	<b>41</b>	<b>156</b>	<b>624</b>	<b>85</b>	<b>709</b>	<b>375</b>	<b>86</b>	<b>461</b>
43. Dams and reservoirs .....	115	41	156	624	85	709	375	86	461
44. Irrigation and land reclamation projects <sup>2</sup> .....	-	-	-	-	-	-	-	-	-
<b>Electric power construction</b> .....	<b>7,961</b>	<b>1,000</b>	<b>8,961</b>	<b>5,392</b>	<b>1,933</b>	<b>7,325</b>	<b>3,114</b>	<b>2,044</b>	<b>5,158</b>
45. Electric power generating plants, including water conveying and controlling structures .....	951	443	1,394	2,258	922	3,180	1,598	1,075	2,673
46. Electric transformer stations .....	3,173	112	3,285	1,740	223	1,963	956	299	1,255
47. Power transmission and distribution lines, trolley wires .....	3,613	313	3,926	1,312	608	1,920	513	568	1,081
48. Street lighting .....	224	132	356	82	180	262	47	102	149
<b>Railway, telephone and telegraph</b> .....	<b>9,304</b>	<b>888</b>	<b>10,192</b>	<b>5,212</b>	<b>658</b>	<b>5,870</b>	<b>319</b>	<b>586</b>	<b>905</b>
49. Railway tracks and roadbed .....	9,174	823	9,997	5,185	598	5,783	311	528	839
50. Signals and interlockers .....	58	-	58	-	-	-	-	-	-
51. Telegraph and telephone lines, underground and marine cables .....	72	65	137	27	60	87	8	58	66
<b>Gas and oil facilities</b> .....	<b>85,902</b>	<b>36,716</b>	<b>122,618</b>	<b>96,832</b>	<b>41,129</b>	<b>137,961</b>	<b>144,493</b>	<b>42,056</b>	<b>186,549</b>
52. Gas mains and services .....	110	22	132	45	19	64	156	24	180
53. Pumping stations, oil .....	84	53	137	22	14	36	-	15	15
54. Pumping stations, gas .....	69	-	69	11	-	11	-	-	-
55. Oil storage tanks .....	5,261	1,536	6,797	5,779	1,673	7,452	3,908	2,161	6,069
56. Gas storage tanks .....	48	-	48	127	5	132	618	5	623
57. Oil pipe lines .....	834	74	908	150	58	208	218	64	282
58. Gas pipe lines .....	62	55	117	271	59	330	314	77	391
59. Oil wells .....	-	-	-	-	-	-	-	-	-
60. Gas wells .....	-	-	-	-	-	-	-	-	-
61. Oil refinery - Processing units <sup>3</sup> .....	79,434	34,976	114,410	90,427	39,301	129,728	139,279	39,710	178,989
62. Natural gas cleaning plants <sup>2</sup> .....	-	-	-	-	-	-	-	-	-
<b>Other engineering construction</b> .....	<b>14,140</b>	<b>3,808</b>	<b>17,948</b>	<b>36,706</b>	<b>2,775</b>	<b>39,481</b>	<b>9,234</b>	<b>4,921</b>	<b>14,155</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	129	103	232	533	47	580	2,055	36	2,091
64. Tunnels and subways .....	-	3	3	-	-	-	-	-	-
65. Incinerators .....	72	14	86	52	14	66	103	18	121
66. Park systems, landscaping, sodding, etc. ....	125	218	343	63	170	233	30	171	201
67. Swimming pools, tennis courts, outdoor recreation facilities ....	-	8	8	-	11	11	-	9	9
68. Mine shafts and other below surface workings .....	-	-	-	-	-	-	-	-	-
69. Fences, snowsheds, signs, guard rails .....	1,055	125	1,180	229	82	311	145	86	231
70. Other engineering construction .....	12,759	3,337	16,096	35,829	2,451	38,280	6,901	4,601	11,502

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> Included in "Other engineering construction".

<sup>3</sup> Item 61 "Oil refinery - Processing units" includes related structures employed in production of petrochemicals.



TABLE 12. Total Value of Construction Work Performed - New and Repair by Type of Structure by Utilities, 1967-69<sup>1</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>1,747,088</b>	<b>347,340</b>	<b>2,094,428</b>	<b>1,855,988</b>	<b>339,092</b>	<b>2,195,080</b>	<b>1,976,842</b>	<b>365,506</b>	<b>2,342,348</b>
<b>Total building construction</b> .....	<b>150,638</b>	<b>46,809</b>	<b>197,447</b>	<b>160,251</b>	<b>38,724</b>	<b>198,975</b>	<b>197,379</b>	<b>38,457</b>	<b>235,836</b>
<b>Residential</b> .....	-	-	-	-	-	-	-	-	-
<b>Industrial</b> .....	<b>23,813</b>	<b>23,408</b>	<b>47,221</b>	<b>21,910</b>	<b>19,434</b>	<b>41,344</b>	<b>20,791</b>	<b>20,360</b>	<b>41,151</b>
2. Factories, plants, workshops, food canneries ....	4,257	2,701	6,958	9,398	1,519	10,917	2,784	1,538	4,322
3. Mine and mine mill buildings .....	8	1	9	-	-	-	-	-	-
4. Railway stations, offices, roadway buildings .....	13,983	13,868	27,851	6,873	11,230	18,103	9,411	11,833	21,244
5. Railway shops, engine houses, water and fuel stations .....	5,565	6,838	12,403	5,639	6,685	12,324	8,596	6,989	15,585
<b>Commercial</b> .....	<b>76,367</b>	<b>17,755</b>	<b>94,122</b>	<b>76,530</b>	<b>14,145</b>	<b>90,675</b>	<b>62,134</b>	<b>13,018</b>	<b>75,152</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	21,046	4,682	25,728	23,689	4,584	28,273	21,100	4,706	25,806
7. Grain elevators .....	36,735	9,059	45,794	21,083	5,941	27,024	9,501	4,969	14,470
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	30	201	231	595	7	602	80	6	86
9. Office buildings .....	11,562	2,201	13,763	21,174	2,521	23,695	20,142	2,025	22,167
10. Stores, retail and wholesale .....	2	-	2	779	39	818	1,404	84	1,488
11. Garages and service stations .....	6,992	1,568	8,560	9,210	1,000	10,210	8,830	1,164	9,994
12. Theatres, arenas, amusement and recreational buildings .....	-	44	44	-	53	53	1,077	64	1,141
13. Laundries and dry cleaning establishments .....	-	-	-	-	-	-	-	-	-
<b>Institutional</b> .....	<b>43</b>	<b>28</b>	<b>71</b>	<b>-</b>	<b>29</b>	<b>29</b>	<b>-</b>	<b>34</b>	<b>34</b>
14. Schools and other educational buildings .....	43	7	50	-	11	11	-	14	14
15. Churches and other religious buildings .....	-	1	1	-	1	1	-	2	2
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	-	20	20	-	17	17	-	18	18
17. Other institutional buildings .....	-	-	-	-	-	-	-	-	-
<b>Other building construction</b> .....	<b>50,415</b>	<b>5,618</b>	<b>56,033</b>	<b>61,811</b>	<b>5,116</b>	<b>66,927</b>	<b>114,454</b>	<b>5,045</b>	<b>119,499</b>
18. Farm buildings (excluding dwellings) .....	56	-	56	-	-	-	-	-	-
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	31,721	3,144	34,865	37,930	3,688	41,618	54,015	3,716	57,731
20. Aeroplane hangars .....	1,598	452	2,050	10,314	110	10,424	14,748	97	14,845
21. Passenger terminals, bus, boat or air .....	10,491	1,509	12,000	3,702	596	4,298	12,422	618	13,040
22. Armouries, barracks, drill halls, etc. ....	-	-	-	-	-	-	-	-	-
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	4,955	109	5,064	7,953	240	8,193	3,702	98	3,800
24. Other building construction .....	1,594	404	1,998	1,912	482	2,394	29,567	516	30,083
<b>Total engineering construction</b> .....	<b>1,596,450</b>	<b>300,531</b>	<b>1,896,981</b>	<b>1,695,737</b>	<b>300,368</b>	<b>1,996,105</b>	<b>1,779,463</b>	<b>327,049</b>	<b>2,106,512</b>
<b>Marine construction</b> .....	<b>28,955</b>	<b>8,364</b>	<b>37,319</b>	<b>31,608</b>	<b>6,122</b>	<b>37,730</b>	<b>48,604</b>	<b>7,197</b>	<b>55,801</b>
25. Docks, wharves, piers, breakwaters .....	13,113	4,590	17,703	10,465	2,936	13,401	16,162	3,107	19,269
26. Retaining walls, embankments, riprapping .....	2,548	20	2,568	24	4	28	2,021	61	2,082
27. Canals and waterways .....	11,982	1,825	13,807	17,574	2,411	19,985	24,994	3,194	28,188
28. Dredging and pile driving .....	538	1,847	2,385	219	621	840	325	744	1,069
29. Dyke construction .....	610	-	610	5	-	5	45	9	54
30. Logging booms .....	-	-	-	-	65	65	-	-	-
31. Other marine construction .....	164	82	246	3,321	85	3,406	5,057	82	5,139

See footnote at end of table.

TABLE 12. Total Value of Construction Work Performed - New and Repair by Type of Structure by Utilities, 1967-69<sup>1</sup> - Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>21,729</b>	<b>978</b>	<b>22,707</b>	<b>12,687</b>	<b>510</b>	<b>13,197</b>	<b>11,133</b>	<b>880</b>	<b>12,013</b>
32. Hard surfaced or paved streets, highways, parking lots, etc.	16,474	449	16,923	4,789	359	5,148	5,126	447	5,573
33. Gravel or stone streets, highways, roads, parking lots, etc.	4,245	390	4,635	6,705	117	6,822	5,420	401	5,821
34. Dirt, clay or other streets, roads, parking lots, etc.	218	55	273	232	-	232	258	4	262
35. Grading, scraping, oiling, filling	509	63	572	86	17	103	18	11	29
36. Sidewalks, paths	46	20	66	-	2	2	-	2	2
37. Aerodromes, landing fields, runways, tarmac	237	1	238	875	15	890	311	15	326
<b>Waterworks and sewage systems</b> .....	<b>97,709</b>	<b>23,509</b>	<b>121,218</b>	<b>97,272</b>	<b>24,958</b>	<b>122,230</b>	<b>124,294</b>	<b>27,564</b>	<b>151,858</b>
38. Tile drains, drainage ditches, storm sewers	1,232	61	1,293	1,533	51	1,584	1,333	72	1,405
39. Water mains, hydrants and services	74,372	21,069	95,441	69,232	22,131	91,363	80,605	24,050	104,655
40. Sewage systems and connections	2,444	265	2,709	6,372	309	6,681	10,074	328	10,402
41. Pumping stations, water	16,139	2,017	20,156	15,659	2,359	18,018	28,899	3,000	31,899
42. Water storage tanks	1,522	97	1,619	2,476	108	2,584	3,383	114	3,497
<b>Dams and irrigation</b> .....	<b>107,627</b>	<b>672</b>	<b>108,299</b>	<b>94,117</b>	<b>707</b>	<b>94,824</b>	<b>101,013</b>	<b>724</b>	<b>101,737</b>
43. Dams and reservoirs	107,220	672	107,892	93,917	707	94,624	100,968	724	101,692
44. Irrigation and land reclamation projects	407	-	407	200	-	200	45	-	45
<b>Electric power construction</b> .....	<b>737,030</b>	<b>60,631</b>	<b>797,661</b>	<b>808,320</b>	<b>71,021</b>	<b>879,341</b>	<b>834,463</b>	<b>81,701</b>	<b>916,164</b>
45. Electric power generating plants, including water conveying and controlling structures	441,616	14,423	456,039	413,280	22,416	435,696	384,670	26,833	411,503
46. Electric transformer stations	32,340	5,192	37,532	72,178	5,229	77,407	70,071	5,994	76,065
47. Power transmission and distribution lines, trolley wires	250,924	38,251	289,175	314,570	40,353	354,923	368,900	45,533	414,433
48. Street lighting	12,150	2,765	14,915	6,292	3,023	11,315	10,622	3,341	13,963
<b>Railway, telephone and telegraph</b> .....	<b>311,202</b>	<b>176,601</b>	<b>487,803</b>	<b>301,166</b>	<b>170,615</b>	<b>471,781</b>	<b>334,960</b>	<b>180,829</b>	<b>515,789</b>
49. Railway tracks and roadbed	134,359	106,220	240,579	106,295	104,647	210,942	135,804	110,052	245,856
50. Signals and interlockers	10,728	11,940	22,668	9,851	12,409	22,260	14,407	12,864	27,271
51. Telegraph and telephone lines, underground and marine cables	166,115	58,441	224,556	185,020	53,559	238,579	184,749	57,913	242,662
<b>Gas and oil facilities</b> .....	<b>203,187</b>	<b>15,886</b>	<b>219,073</b>	<b>279,576</b>	<b>15,640</b>	<b>295,216</b>	<b>234,887</b>	<b>17,054</b>	<b>251,941</b>
52. Gas mains and services	47,934	5,273	53,207	76,510	6,505	83,015	93,832	7,113	100,945
53. Pumping stations, oil	6,524	120	6,644	7,082	1,900	8,982	6,145	1,982	8,127
54. Pumping stations, gas	8,925	1,781	10,706	29,217	704	29,921	21,991	1,056	23,047
55. Oil storage tanks	1,621	33	1,654	3,608	346	3,954	976	235	1,211
56. Gas storage tanks	1,933	37	1,970	2,233	101	2,334	1,020	142	1,162
57. Oil pipe lines	65,437	5,311	70,748	43,978	3,047	47,025	36,993	3,346	40,341
58. Gas pipe lines	69,398	3,000	72,398	116,286	2,964	119,250	73,018	3,122	76,140
59. Oil wells	-	-	-	-	-	-	-	-	-
60. Gas wells	732	153	885	449	25	474	444	25	469
61. Oil refinery - Processing units	-	-	-	-	-	-	-	-	-
62. Natural gas cleaning plants	683	178	861	213	28	241	468	31	499
<b>Other engineering construction</b> .....	<b>89,011</b>	<b>13,890</b>	<b>102,901</b>	<b>70,991</b>	<b>10,795</b>	<b>81,786</b>	<b>90,109</b>	<b>11,100</b>	<b>101,209</b>
63. Bridges, trestles, culverts, overpasses, viaducts	31,680	9,080	40,760	23,778	8,006	31,784	14,616	8,262	22,878
64. Tunnels and subways	37,117	1,434	38,551	14,482	481	14,963	28,136	481	28,617
65. Incinerators	-	-	-	-	-	-	-	-	-
66. Park systems, landscaping, sodding, etc.	311	49	360	27	89	116	773	98	871
67. Swimming pools, tennis courts, outdoor recreation facilities	68	9	77	5	12	17	-	18	35
68. Mine shafts and other below surface workings	-	-	-	-	-	-	-	-	-
69. Fences, snowsheds, signs, guard rails	1,992	2,090	4,082	1,055	1,544	2,599	1,497	1,590	3,087
70. Other engineering construction	17,823	1,228	19,051	31,644	663	32,307	45,067	651	45,718

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

TABLE 13. Total Value of Construction Work Performed—New and Repair by Type of Structure by Trade Finance and Commercial Services, 1967-69<sup>1,2</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>764,533</b>	<b>115,699</b>	<b>880,232</b>	<b>707,705</b>	<b>108,425</b>	<b>816,130</b>	<b>850,893</b>	<b>107,202</b>	<b>958,095</b>
<b>Total building construction</b> .....	<b>731,539</b>	<b>111,625</b>	<b>843,164</b>	<b>687,193</b>	<b>104,041</b>	<b>791,234</b>	<b>829,199</b>	<b>103,197</b>	<b>932,396</b>
<b>Residential</b> .....	-	-	-	-	-	-	-	-	-
<b>Industrial</b> .....	<b>20,327</b>	<b>668</b>	<b>20,995</b>	<b>19,643</b>	<b>1,496</b>	<b>21,139</b>	<b>15,591</b>	<b>1,934</b>	<b>17,525</b>
2. Factories, plants, work shops, food canneries.....	20,327	668	20,995	18,815	1,496	20,311	15,591	1,934	17,525
3. Mine and mine mill buildings.....	-	-	-	3	-	3	-	-	-
4. Railway stations, offices, roadway buildings.....	-	-	-	825	-	825	-	-	-
5. Railway shops, engine houses, water and fuel stations.....	-	-	-	-	-	-	-	-	-
<b>Commercial</b> .....	<b>698,478</b>	<b>110,728</b>	<b>809,206</b>	<b>660,592</b>	<b>102,341</b>	<b>762,933</b>	<b>807,369</b>	<b>101,068</b>	<b>908,437</b>
6. Warehouses, storehouses, refrigerated storage, etc.....	47,037	4,690	51,727	56,628	6,605	63,233	48,569	6,569	55,138
7. Grain elevators.....	90	-	90	29	-	29	177	6	183
8. Hotels, clubs, restaurants, cafeterias, tourist cabins.....	76,031	14,237	90,268	53,157	13,994	67,151	82,758	13,764	96,522
9. Office buildings.....	258,297	22,825	281,122	254,847	22,854	277,701	300,725	21,593	322,318
10. Stores, retail and wholesale.....	212,565	49,759	262,324	208,929	36,057	244,986	264,881	38,589	303,470
11. Garages and service stations.....	49,727	13,564	63,291	51,512	14,686	66,198	71,054	15,830	86,884
12. Theatres, arenas, amusement and recreational buildings.....	53,057	4,208	57,265	32,172	6,750	38,922	37,905	3,420	41,325
13. Laundries and dry cleaning establishments.....	1,674	1,445	3,119	3,318	1,395	4,713	1,300	1,297	2,597
<b>Institutional</b> .....	-	-	-	<b>960</b>	-	<b>960</b>	-	-	-
14. Schools and other educational buildings.....	-	-	-	-	-	-	-	-	-
15. Churches and other religious buildings.....	-	-	-	-	-	-	-	-	-
16. Hospitals, sanatoria, clinics, first-aid stations, etc.....	-	-	-	960	-	960	-	-	-
17. Other institutional buildings.....	-	-	-	-	-	-	-	-	-
<b>Other building construction</b> .....	<b>12,734</b>	<b>229</b>	<b>12,963</b>	<b>5,998</b>	<b>204</b>	<b>6,202</b>	<b>6,239</b>	<b>195</b>	<b>6,434</b>
18. Farm buildings (excluding dwellings).....	237	-	237	266	9	275	209	1	210
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges.....	-	-	-	-	-	-	-	-	-
20. Aeroplane hangars.....	-	12	12	-	-	-	-	-	-
21. Passenger terminals, bus, boat or air.....	-	-	-	-	-	-	-	-	-
22. Armouries, barracks, drill halls, etc.....	-	-	-	-	-	-	-	-	-
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps.....	469	-	469	-	-	-	609	-	609
24. Other building construction.....	12,028	217	12,245	5,732	195	5,927	5,421	194	5,615
<b>Total engineering construction</b> .....	<b>32,994</b>	<b>4,074</b>	<b>37,068</b>	<b>20,512</b>	<b>4,384</b>	<b>24,896</b>	<b>21,694</b>	<b>4,005</b>	<b>25,699</b>
<b>Marine construction</b> .....	<b>683</b>	<b>113</b>	<b>796</b>	<b>262</b>	<b>38</b>	<b>300</b>	<b>559</b>	<b>8</b>	<b>567</b>
25. Docks, wharves, piers, breakwaters.....	575	113	688	250	38	288	559	8	567
26. Retaining walls, embankments, riprapping.....	4	-	4	-	-	-	-	-	-
27. Canals and waterways.....	-	-	-	-	-	-	-	-	-
28. Dredging and pile driving.....	103	-	103	-	-	-	-	-	-
29. Dyke construction.....	-	-	-	-	-	-	-	-	-
30. Logging booms.....	-	-	-	-	-	-	-	-	-
31. Other marine construction.....	1	-	1	12	-	12	-	-	-

See footnotes 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, 1967-69<sup>1,2</sup>—Concluded**

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>7,268</b>	<b>810</b>	<b>8,078</b>	<b>4,846</b>	<b>685</b>	<b>5,531</b>	<b>4,913</b>	<b>682</b>	<b>5,595</b>
32. Hard surfaced or paved streets, highways, parking lots, etc....	5,628	754	6,382	3,817	634	4,451	3,837	629	4,466
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	1,034	42	1,076	224	41	265	197	38	235
34. Dirt, clay or other streets, roads, parking lots, etc. ....	—	—	—	9	—	9	12	4	16
35. Grading, scraping, oiling, filling .....	554	14	568	750	10	760	785	11	796
36. Sidewalks, paths .....	52	—	52	46	—	46	82	—	82
37. Aerodromes, landing fields, runways, tarmac .....	—	—	—	—	—	—	—	—	—
<b>Waterworks and sewage systems</b> .....	<b>4,654</b>	<b>23</b>	<b>4,677</b>	<b>5,829</b>	<b>10</b>	<b>5,839</b>	<b>1,952</b>	<b>24</b>	<b>1,976</b>
38. Tile drains, drainage ditches, storm sewers .....	1,274	15	1,289	2,031	5	2,036	541	16	557
39. Water mains, hydrants and services .....	1,118	—	1,118	1,743	—	1,743	840	2	842
40. Sewage systems and connections .....	2,133	7	2,140	2,014	5	2,019	571	6	577
41. Pumping stations, water .....	123	1	124	36	—	36	—	—	—
42. Water storage tanks .....	6	—	6	5	—	5	—	—	—
<b>Dams and irrigation</b> .....	<b>24</b>	<b>—</b>	<b>24</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
43. Dams and reservoirs .....	24	—	24	—	—	—	—	—	—
44. Irrigation and land reclamation projects .....	—	—	—	—	—	—	—	—	—
<b>Electric power construction</b> .....	<b>1,663</b>	<b>2</b>	<b>1,665</b>	<b>567</b>	<b>1</b>	<b>568</b>	<b>329</b>	<b>32</b>	<b>361</b>
45. Electric power generating plants, including water conveying and controlling structures .....	—	—	—	37	—	37	200	—	200
46. Electric transformer stations .....	—	—	—	—	—	—	—	—	—
47. Power transmission and distribution lines, trolley wires .....	1,464	—	1,464	177	—	177	70	—	70
48. Street lighting .....	199	2	201	353	1	354	59	32	91
<b>Railway, telephone and telegraph</b> .....	<b>798</b>	<b>—</b>	<b>798</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>13</b>
49. Railway tracks and roadbed .....	788	—	788	—	—	—	13	—	13
50. Signals and interlockers .....	—	—	—	—	—	—	—	—	—
51. Telegraph and telephone lines, underground and marine cables .....	10	—	10	—	—	—	—	—	—
<b>Gas and oil facilities</b> .....	<b>7,085</b>	<b>768</b>	<b>7,853</b>	<b>5,799</b>	<b>1,159</b>	<b>6,958</b>	<b>12,392</b>	<b>1,300</b>	<b>13,692</b>
52. Gas main and services .....	112	3	115	1	—	1	—	—	—
53. Pumping stations, oil .....	—	—	—	439	216	655	485	239	724
54. Pumping stations, gas .....	1	—	1	56	—	56	54	—	54
55. Oil storage tanks .....	5,818	699	6,517	4,785	937	5,722	8,694	1,060	9,754
56. Gas storage tanks .....	1,103	62	1,165	273	6	279	3,050	1	3,051
57. Oil pipe lines .....	45	4	49	245	—	245	100	—	100
58. Gas pipe lines .....	6	—	6	—	—	—	9	—	9
59. Oil wells .....	—	—	—	—	—	—	—	—	—
60. Gas wells .....	—	—	—	—	—	—	—	—	—
61. Oil refinery—Processing units .....	—	—	—	—	—	—	—	—	—
62. Natural gas cleaning plants <sup>2</sup> .....	—	—	—	—	—	—	—	—	—
<b>Other engineering construction</b> .....	<b>10,819</b>	<b>2,358</b>	<b>13,177</b>	<b>3,209</b>	<b>2,491</b>	<b>5,700</b>	<b>1,536</b>	<b>1,959</b>	<b>3,495</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	364	—	364	30	—	30	100	—	100
64. Tunnels and subways .....	135	—	135	—	—	—	—	—	—
65. Incinerators .....	—	—	—	—	—	—	—	—	—
66. Park systems, landscaping, sodding, etc. ....	2,294	10	2,304	229	—	229	181	—	181
67. Swimming pools, tennis courts, outdoor recreation facilities....	4,003	365	4,368	15	500	515	15	504	519
68. Mine shafts and other below surface workings .....	—	—	—	—	—	—	—	—	—
69. Fences, snowsheds, signs, guard rails .....	319	15	334	254	33	287	283	30	313
70. Other engineering construction .....	3,704	1,968	5,672	2,681	1,958	4,639	957	1,425	2,382

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> Included in "Other engineering construction".

TABLE 14. Total Value of Construction Work Performed - New and Repair by Type of Structure by Federal Government Departments, 1967-69<sup>1</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>331,824</b>	<b>91,435</b>	<b>423,259</b>	<b>370,078</b>	<b>55,941</b>	<b>426,019</b>	<b>403,486</b>	<b>62,510</b>	<b>465,996</b>
<b>Total building construction</b> .....	<b>155,537</b>	<b>55,115</b>	<b>210,652</b>	<b>163,933</b>	<b>33,788</b>	<b>197,721</b>	<b>162,099</b>	<b>37,492</b>	<b>199,591</b>
2. Factories, plants, workshops, food canneries .....	22,335	8,928	31,263	24,474	5,429	29,903	23,752	5,980	29,732
6. Warehouses, storehouses, refrigerated storage, etc. ....	2,080	4,330	6,410	1,844	2,735	4,579	1,786	3,048	4,834
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	1,710	1,589	3,299	1,564	973	2,537	1,610	1,058	2,668
9. Office buildings .....	62,906	14,624	77,530	73,082	9,264	82,346	72,018	10,417	82,435
10. Stores, retail and wholesale .....	53	307	360	57	163	220	57	181	238
11. Garages and service stations .....	1,760	690	2,450	1,795	403	2,198	1,816	464	2,280
12. Theatres, arenas, amusement and recreational buildings .....	4,207	1,172	5,379	3,875	729	4,604	3,840	786	4,626
14. Schools and other educational buildings .....	14,902	2,281	17,183	13,429	1,440	14,869	13,136	1,785	14,921
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	5,977	2,374	8,351	6,264	1,414	7,678	6,617	1,617	8,234
17. Other institutional buildings .....	9,268	411	9,679	8,851	225	9,076	9,053	237	9,290
18. Farm buildings (excluding dwellings) .....	5,259	293	5,552	6,058	165	6,223	6,055	186	6,241
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	1,953	451	2,404	2,099	243	2,342	2,191	264	2,455
20. Aeroplane hangars .....	684	2,285	2,969	629	1,290	1,919	626	1,351	1,977
21. Passenger terminals, bus, boat or air .....	11,138	108	11,246	9,091	69	9,160	8,716	70	8,786
22. Armouries, barracks, drill halls, etc. ....	4,322	8,663	12,985	4,087	5,154	9,241	4,152	5,587	9,739
24. Other building construction .....	6,983	6,609	13,592	6,734	4,092	10,826	6,674	4,461	11,135
<b>Total engineering construction</b> .....	<b>176,267</b>	<b>36,320</b>	<b>212,607</b>	<b>206,145</b>	<b>22,153</b>	<b>228,298</b>	<b>241,387</b>	<b>25,018</b>	<b>266,405</b>
23. Docks, wharves, piers, breakwaters .....	40,319	3,588	43,907	39,925	2,637	42,562	39,831	2,657	42,488
26. Retaining walls, embankments, riprapping .....	973	410	1,383	1,347	235	1,582	1,543	241	1,784
27. Canals and waterways .....	1,780	381	2,161	2,146	250	2,396	2,118	264	2,382
28. Dredging and pile driving .....	8,598	17	8,615	10,480	12	10,492	11,573	14	11,587
29. Dyke construction .....	1,481	200	1,681	1,277	116	1,393	1,329	125	1,454
31. Other marine construction .....	3,892	4,808	8,700	4,238	3,024	7,262	4,343	3,654	7,997
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	9,454	4,093	13,547	9,664	2,443	12,107	9,916	2,587	12,503
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	21,426	3,258	24,684	17,061	2,300	19,361	15,961	3,276	19,237
34. Dirt, clay or other streets, roads, parking lots, etc. ....	2,913	474	3,387	2,337	255	2,592	2,033	269	2,302
35. Grading, scraping, oiling, filling .....	97	231	328	87	130	217	96	135	231
37. Aerodromes, landing fields, runways, tarmac .....	12,056	1,189	13,245	9,810	674	10,484	9,102	741	9,843
38. Tile drains, drainage ditches, storm sewers .....	436	479	915	471	274	745	488	295	783
39. Water mains, hydrants and services .....	2,534	1,397	3,931	2,476	774	3,250	2,502	861	3,363
40. Sewage systems and connections .....	3,449	1,063	4,512	3,739	634	4,373	3,820	689	4,509
43. Dams and reservoirs .....	14,990	1,009	15,999	12,914	451	13,365	13,290	499	13,789
44. Irrigation and land reclamation projects .....	782	811	1,593	815	378	1,193	910	422	1,332
45. Electric power generating plants, including water conveying and controlling structures .....	14,135	1,334	15,469	25,449	775	26,224	27,090	833	27,923
46. Electric transformer stations .....	136	70	206	201	49	250	137	57	194
47. Power transmission and distribution lines, trolley wires .....	7,291	967	8,258	31,711	564	32,275	65,290	646	65,936
55. Oil storage tanks .....	217	980	1,197	175	646	821	167	679	846
63. Bridges, trestles, culverts, overpasses, viaducts .....	10,813	677	11,490	10,411	439	10,850	10,556	511	11,067
64. Park systems, landscaping, sodding, etc. ....	5,019	2,814	7,833	4,550	1,699	6,249	4,577	1,877	6,454
77. Swimming pools, tennis courts, outdoor recreation facilities .....	971	477	1,448	880	262	1,142	911	286	1,197
68. Fences, snowsheds, signs, guard rails .....	978	701	1,679	1,064	432	1,496	1,171	469	1,640
78. Other engineering construction .....	11,547	4,892	16,439	12,917	2,700	15,617	12,633	2,931	15,564

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.



TABLE 15. Total Value of Construction Work Performed - New and Repair by Type of Structure by Provincial Government Departments, 1967-69<sup>1</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>864,862</b>	<b>264,291</b>	<b>1,129,153</b>	<b>877,856</b>	<b>236,938</b>	<b>1,114,794</b>	<b>919,100</b>	<b>251,841</b>	<b>1,170,941</b>
<b>Total building construction</b> .....	<b>97,358</b>	<b>32,182</b>	<b>129,540</b>	<b>112,107</b>	<b>47,923</b>	<b>160,030</b>	<b>123,193</b>	<b>41,381</b>	<b>164,574</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	2,647	472	3,119	4,116	1,965	6,081	8,330	2,459	10,789
9. Office buildings .....	49,702	15,540	65,242	41,909	17,145	59,054	51,686	24,951	76,637
10. Stores, retail and wholesale .....	161	1,314	1,475	38	-	38	-	-	-
17. Other institutional buildings .....	15,509	4,954	20,463	44,309	8,743	53,052	46,938	10,174	57,112
24. Other building construction .....	29,339	9,902	39,241	21,735	20,070	41,805	16,239	3,797	20,036
<b>Total engineering construction</b> .....	<b>767,504</b>	<b>232,109</b>	<b>999,613</b>	<b>765,749</b>	<b>189,015</b>	<b>954,764</b>	<b>795,907</b>	<b>210,460</b>	<b>1,006,367</b>
25. Docks, wharves, piers, breakwaters .....	1,296	235	1,531	6,839	3,058	9,897	4,384	2,363	6,747
26. Retaining walls, embankments, riprapping .....	9,040	3,623	12,663	752	74	826	458	76	534
31. Other marine construction .....	5,120	3,932	9,052	132	6	138	365	-	303
32. Hard surfaced or paved streets, highways, parking lots, etc.	363,590	101,737	465,327	428,896	95,375	524,271	441,256	129,688	570,944
33. Gravel or stone streets, highways, roads, parking lots, etc.	211,259	67,395	278,654	85,209	26,915	112,124	88,879	28,335	117,214
34. Dirt, clay or other streets, roads, parking lots, etc. ....	9,241	14,371	23,612	18,158	3,382	21,540	25,156	6,191	31,347
35. Grading, scraping, oiling, filling .....	38,113	17,588	55,701	41,259	14,314	55,573	32,943	15,687	48,630
38. Tile drains, drainage ditches, storm sewers .....	8,611	4,316	12,927	25,741	2,830	28,571	25,373	2,273	27,646
39. Water mains, hydrants and services .....	1,983	10	1,993	3,501	58	3,559	6,099	64	6,163
40. Sewage systems and connections .....	1,611	1,250	2,861	1,902	40	1,942	674	93	767
43. Dams and reservoirs .....	2,629	1	2,630	8,897	119	9,016	14,156	433	14,589
44. Irrigation and land reclamation projects .....	2,730	33	2,763	5,671	1,126	6,797	6,783	1,770	8,553
47. Power transmission and distribution lines, trolley wires ...	187	-	187	664	27	691	602	47	649
51. Telegraph and telephone lines, underground and marine cables .....	2,121	37	2,158	-	-	-	-	-	-
63. Bridges, trestles, culverts, overpasses, viaducts .....	70,800	12,385	83,185	105,763	17,256	123,019	122,941	19,162	142,103
66. Park systems, landscaping, sodding, etc. ....	8,664	1,825	10,489	6,275	3,613	9,888	6,234	3,155	9,389
67. Swimming pools, tennis courts, outdoor recreation facilities	629	123	752	3,042	658	3,700	4,691	937	5,628
69. Fences, snowsheds, signs, guard rails .....	3,863	1,444	5,307	4,485	150	4,635	4,135	90	4,225
70. Other engineering construction .....	26,017	1,804	27,821	18,563	20,014	38,577	10,778	96	10,874

<sup>1</sup> Actual 1967, preliminary 1968, Intentions 1969.

**TABLE 16. Total Value of Construction Work Performed - New and Repair by Type of Structure by Municipal Government Departments, 1967-69<sup>1</sup>**

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
<b>Total value of construction</b> .....	<b>534,991</b>	<b>148,902</b>	<b>683,893</b>	<b>643,516</b>	<b>158,280</b>	<b>801,796</b>	<b>711,662</b>	<b>163,257</b>	<b>874,919</b>
<b>Total building construction</b> .....	<b>103,379</b>	<b>7,933</b>	<b>111,312</b>	<b>104,205</b>	<b>10,394</b>	<b>114,599</b>	<b>116,844</b>	<b>10,074</b>	<b>126,918</b>
9. Office buildings .....	10,201	2,667	12,868	16,102	3,010	19,112	21,165	2,821	23,986
12. Theatres, arenas, amusement and recreational buildings .....	56,835	2,894	59,729	37,972	3,980	41,952	40,107	3,502	43,609
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	7,958	508	8,466	12,620	1,557	14,177	12,233	1,543	13,776
17. Other institutional buildings .....	8,983	1,134	10,117	9,242	911	10,153	14,213	1,130	15,343
30. Other building construction .....	19,402	730	20,132	28,269	936	29,205	29,126	1,078	30,204
<b>Total engineering construction</b> .....	<b>431,612</b>	<b>140,969</b>	<b>572,581</b>	<b>539,311</b>	<b>147,886</b>	<b>687,197</b>	<b>594,818</b>	<b>153,183</b>	<b>748,001</b>
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	191,986	86,811	278,797	238,452	88,853	327,305	247,192	92,873	340,065
36. Sidewalks, paths .....	13,859	7,007	20,866	16,295	7,678	23,973	15,923	7,948	23,871
40. Sewage systems and connections .....	132,196	21,338	153,534	176,751	25,572	202,323	217,684	25,742	243,426
48. Street lighting .....	6,202	2,874	9,076	6,300	2,555	8,855	6,268	2,469	8,737
63. Bridges, trestles, culverts, overpasses, viaducts .....	50,984	4,064	55,048	59,802	3,129	62,931	61,311	3,604	64,915
70. Other engineering construction .....	36,385	18,875	55,260	41,711	20,099	61,810	46,440	20,547	66,987

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

**TABLE 17. Total Value of Construction Work Performed - New and Repair by Residential and Institutional Services, 1967-69<sup>1</sup>**

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
<b>Residential:</b>									
<b>Total value of construction</b> .....	<b>2,351,600</b>	<b>713,100</b>	<b>3,064,700</b>	<b>2,843,500</b>	<b>728,900</b>	<b>3,572,400</b>	<b>3,200,300</b>	<b>772,300</b>	<b>3,972,600</b>
<b>Institutional:</b>									
<b>Total value of construction</b> .....	<b>1,107,495</b>	<b>88,077</b>	<b>1,195,572</b>	<b>1,201,448</b>	<b>95,777</b>	<b>1,297,225</b>	<b>1,286,883</b>	<b>105,181</b>	<b>1,392,064</b>
<b>Total building construction</b> .....	<b>1,096,871</b>	<b>86,945</b>	<b>1,183,816</b>	<b>1,191,018</b>	<b>95,500</b>	<b>1,286,518</b>	<b>1,280,329</b>	<b>104,698</b>	<b>1,385,027</b>
8. Hotels, clubs, restaurants, cafeteria, tourist cabins .....	68	54	122	23	33	56	-	20	20
9. Office buildings .....	-	-	-	-	20	20	-	29	29
12. Theatres, arenas, amusement and recreational buildings .....	242	31	273	1,118	23	1,141	1,489	30	1,519
14. Schools and other educational buildings .....	838,965	47,263	886,228	930,936	53,099	984,035	930,471	60,599	991,070
15. Churches and other religious buildings .....	42,521	7,427	49,948	31,189	7,440	38,629	31,235	6,607	37,842
16. Hospitals, sanatoria, clinics, first-aid stations etc. ....	178,352	29,304	207,656	196,676	32,322	228,998	282,563	35,505	318,068
17. Other institutional buildings .....	36,645	2,687	39,332	30,913	2,531	33,444	33,291	1,871	35,162
18. Farm buildings (excluding dwellings) .....	8	32	40	58	32	90	80	37	117
23. Burkhouses, dormitories, camp cookeries, bush depots and camps .....	-	18	18	-	-	-	-	-	-
38. Other building construction .....	70	129	199	105	-	105	1,200	-	1,200
<b>Total engineering construction</b> .....	<b>10,624</b>	<b>1,132</b>	<b>11,756</b>	<b>10,430</b>	<b>277</b>	<b>10,707</b>	<b>6,554</b>	<b>483</b>	<b>7,037</b>

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

TABLE 18. Total Value of Construction Work Performed - New and Repair by Type of Structure - Newfoundland, 1967 - 69<sup>1</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>232,434</b>	<b>38,295</b>	<b>270,729</b>	<b>295,462</b>	<b>44,174</b>	<b>339,636</b>	<b>335,151</b>	<b>42,929</b>	<b>378,080</b>
<b>Total building construction</b> .....	<b>104,678</b>	<b>23,341</b>	<b>128,019</b>	<b>105,020</b>	<b>25,327</b>	<b>130,347</b>	<b>116,174</b>	<b>26,505</b>	<b>142,679</b>
Residential .....	35,700	12,100	47,800	53,300	12,300	65,600	72,100	12,900	85,000
Industrial .....	18,810	5,636	24,446	7,565	6,688	14,253	5,943	6,772	12,715
Commercial .....	23,733	2,930	26,663	17,198	2,698	19,896	14,596	3,331	17,927
Institutional .....	19,776	2,230	22,006	16,961	3,128	20,089	17,350	3,035	20,385
Other building construction .....	6,659	445	7,104	9,996	513	10,509	6,185	467	6,652
<b>Total engineering construction</b> .....	<b>127,756</b>	<b>14,954</b>	<b>142,710</b>	<b>190,442</b>	<b>18,847</b>	<b>209,289</b>	<b>218,977</b>	<b>16,424</b>	<b>235,401</b>
Marine construction .....	15,203	1,325	16,528	11,093	1,372	12,465	9,144	1,171	10,315
Road, highway and aerodrome construction .....	40,123	8,580	48,703	56,656	11,556	68,212	47,696	9,591	57,287
Waterworks and sewage systems .....	1,733	520	2,253	3,899	443	4,342	8,331	433	8,764
Dams and irrigation <sup>2</sup> .....	42,011	1,302	43,313	81,787	1,898	83,685	100,109	1,736	101,845
Electric power construction <sup>2</sup> .....									
Railway, telephone and telegraph .....	3,553	2,182	5,735	2,819	1,738	4,557	2,764	1,872	4,636
Gas and oil facilities .....	3,303	82	3,385	1,008	202	1,210	6,397	185	6,582
Other engineering construction <sup>2</sup> .....	21,830	963	22,793	33,180	1,638	34,818	44,536	1,436	45,972

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> "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.

TABLE 19. Total Value of Construction Work Performed - New and Repair by Type of Structure - Prince Edward Island, 1967 - 69<sup>1</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>29,233</b>	<b>7,878</b>	<b>37,111</b>	<b>27,844</b>	<b>7,105</b>	<b>34,949</b>	<b>25,735</b>	<b>7,453</b>	<b>33,188</b>
<b>Total building construction</b> .....	<b>15,164</b>	<b>4,622</b>	<b>19,786</b>	<b>15,078</b>	<b>4,571</b>	<b>19,649</b>	<b>17,035</b>	<b>4,598</b>	<b>21,633</b>
Residential .....	7,800	2,100	9,900	7,200	2,100	9,300	8,500	2,300	10,800
Industrial .....	690	148	838	807	133	940	740	136	876
Commercial .....	1,515	586	2,101	2,010	550	2,560	2,174	567	2,741
Institutional .....	3,946	376	4,322	3,847	467	4,314	4,360	373	4,733
Other building construction .....	1,213	1,412	2,625	1,214	1,321	2,535	1,261	1,222	2,483
<b>Total engineering construction</b> .....	<b>14,069</b>	<b>3,256</b>	<b>17,325</b>	<b>12,766</b>	<b>2,534</b>	<b>15,300</b>	<b>8,700</b>	<b>2,855</b>	<b>11,555</b>
Marine construction .....	756	518	1,274	711	346	1,057	769	275	1,044
Road, highway and aerodrome construction .....	7,906	1,461	9,367	6,421	865	7,286	4,388	1,154	5,542
Waterworks and sewage systems .....	190	248	438	464	261	725	358	258	616
Dams and irrigation .....	74	86	160	123	104	227	162	105	267
Electric power construction .....	3,936	392	4,328	3,301	347	3,648	1,396	485	1,881
Railway, telephone and telegraph .....	850	231	1,081	576	223	799	540	248	788
Gas and oil facilities .....	42	11	53	132	46	178	178	51	229
Other engineering construction .....	315	309	624	1,038	342	1,380	909	279	1,188

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.



TABLE 20. Total Value of Construction Work Performed—New and Repair by Type of Structure—Nova Scotia, 1967-69<sup>1,2,3</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>253,149</b>	<b>70,180</b>	<b>323,329</b>	<b>275,935</b>	<b>61,002</b>	<b>336,937</b>	<b>369,468</b>	<b>70,030</b>	<b>439,498</b>
<b>Total building construction</b> .....	<b>152,717</b>	<b>34,391</b>	<b>187,108</b>	<b>163,871</b>	<b>29,315</b>	<b>193,186</b>	<b>203,220</b>	<b>37,239</b>	<b>240,459</b>
<b>Residential</b> .....	<b>42,400</b>	<b>16,400</b>	<b>58,800</b>	<b>61,200</b>	<b>16,500</b>	<b>77,700</b>	<b>84,700</b>	<b>18,000</b>	<b>102,700</b>
<b>Industrial</b> .....	<b>22,507</b>	<b>4,019</b>	<b>26,526</b>	<b>13,498</b>	<b>2,989</b>	<b>16,487</b>	<b>12,111</b>	<b>8,391</b>	<b>20,502</b>
2. Factories, plants, workshops, food canneries .....	22,146	3,421	25,567	13,166	2,560	15,726	11,480	7,875	19,355
3. Mine and mine mill buildings .....	38	191	229	44	34	78	197	100	297
4. Railway stations, offices, roadway buildings .....	219	282	501	174	248	422	257	262	519
5. Railway shops, engine houses, water and fuel stations .....	104	125	229	114	147	261	177	154	331
<b>Commercial</b> .....	<b>26,303</b>	<b>7,536</b>	<b>33,839</b>	<b>24,371</b>	<b>5,048</b>	<b>29,419</b>	<b>37,899</b>	<b>5,647</b>	<b>43,546</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	4,226	803	5,029	646	918	1,564	2,786	1,045	3,831
7. Grain elevators .....	1,263	71	1,334	44	63	107	2	68	70
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	2,909	729	3,638	3,296	288	3,584	1,517	351	1,868
9. Office buildings .....	8,345	1,998	10,343	9,444	1,421	10,865	12,339	1,671	14,010
10. Stores, retail and wholesale .....	3,798	2,850	6,648	7,402	1,346	8,748	17,646	1,592	19,238
11. Garages and service stations .....	1,490	799	2,289	1,157	498	1,655	2,045	545	2,590
12. Theatres, arenas, amusement and recreational buildings .....	4,272	239	4,511	2,061	455	2,516	1,544	324	1,868
13. Laundries and dry cleaning establishments .....	—	47	47	321	59	380	20	51	71
<b>Institutional</b> .....	<b>54,048</b>	<b>3,167</b>	<b>57,215</b>	<b>60,092</b>	<b>2,719</b>	<b>62,811</b>	<b>63,896</b>	<b>3,144</b>	<b>67,040</b>
14. Schools and other educational buildings .....	40,418	1,598	42,016	44,198	1,642	45,840	48,934	2,256	51,190
15. Churches and other religious buildings .....	911	201	1,112	420	242	662	323	182	505
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	8,889	1,016	9,905	13,114	687	13,801	11,556	540	12,098
17. Other institutional buildings .....	3,830	352	4,182	2,360	148	2,508	3,081	166	3,247
<b>Other building construction</b> .....	<b>7,459</b>	<b>3,269</b>	<b>10,728</b>	<b>4,710</b>	<b>2,059</b>	<b>6,769</b>	<b>4,614</b>	<b>2,057</b>	<b>6,671</b>
18. Farm buildings (excluding dwellings) .....	2,064	1,237	3,301	1,950	1,119	3,069	1,927	1,107	3,034
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	2,536	386	2,922	339	145	484	163	144	307
20. Aeroplane hangars .....	78	472	550	66	225	291	91	229	320
21. Passenger terminals, bus, boat or air .....	380	6	386	320	4	324	333	2	335
22. Armouries, barracks, drill halls, etc. ....	687	964	1,651	579	459	1,038	602	468	1,070
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	51	17	68	48	26	74	45	24	69
24. Other building construction .....	1,663	187	1,850	1,408	81	1,489	1,453	83	1,536
<b>Total engineering construction</b> .....	<b>100,432</b>	<b>35,789</b>	<b>136,221</b>	<b>112,064</b>	<b>31,687</b>	<b>143,751</b>	<b>166,248</b>	<b>32,791</b>	<b>199,039</b>
<b>Marine construction</b> .....	<b>9,814</b>	<b>1,546</b>	<b>11,360</b>	<b>7,730</b>	<b>1,177</b>	<b>8,907</b>	<b>12,832</b>	<b>1,261</b>	<b>14,093</b>
25. Docks, wharves, piers, breakwaters .....	8,204	1,015	9,219	6,299	924	7,223	11,422	1,003	12,425
26. Retaining walls, embankments, riprapping .....	143	192	335	191	91	282	125	93	218
27. Canals and waterways .....	—	—	—	—	—	—	—	—	—
28. Dredging and pile driving .....	517	2	519	436	1	437	453	1	454
29. Dyke construction .....	878	54	932	744	26	770	769	26	795
30. Logging booms .....	—	—	—	—	—	—	—	—	—
31. Other marine construction .....	72	283	355	60	135	195	63	138	201

See footnotes at end of table.

TABLE 20. Total Value of Construction Work Performed - New and Repair by Type of Structure - Nova Scotia, 1967-69<sup>1,2,3</sup> - Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>38,353</b>	<b>18,883</b>	<b>57,236</b>	<b>53,282</b>	<b>14,879</b>	<b>68,161</b>	<b>56,476</b>	<b>16,548</b>	<b>73,024</b>
32. Hard surfaced or paved streets, highways, parking lots, etc.....	36,165	17,894	54,059	50,994	13,894	64,888	54,173	15,606	69,779
33. Gravel or stone streets, highways, roads, parking lots, etc.....	691	320	1,011	581	225	806	601	225	826
34. Dirt, clay or other streets, roads, parking lots, etc.....	566	177	743	737	486	1,223	785	425	1,210
35. Grading, scraping, oiling, filling .....	10	109	119	110	52	162	20	53	73
36. Sidewalks, paths .....	297	162	459	334	117	451	350	132	482
37. Aerodromes, landing fields, runways, tarmac .....	624	221	845	526	105	631	547	107	654
<b>Waterworks and sewage systems</b> .....	<b>6,290</b>	<b>1,841</b>	<b>8,131</b>	<b>5,303</b>	<b>1,399</b>	<b>6,702</b>	<b>9,453</b>	<b>1,422</b>	<b>10,875</b>
38. Tile drains, drainage ditches, storm sewers .....	220	270	490	206	187	393	255	192	447
39. Water mains, hydrants and services .....	3,013	1,031	4,044	1,823	753	2,576	3,056	876	3,932
40. Sewage systems and connections .....	2,922	470	3,392	3,203	432	3,635	5,598	331	5,929
41. Pumping stations, water .....	104	36	140	42	10	52	185	6	191
42. Water storage tanks .....	31	34	65	29	17	46	359	17	376
<b>Dams and irrigation</b> .....	<b>428</b>	<b>209</b>	<b>637</b>	<b>272</b>	<b>236</b>	<b>508</b>	<b>504</b>	<b>241</b>	<b>745</b>
43. Dams and reservoirs .....	181	64	245	42	102	144	277	108	385
44. Irrigation and land reclamation projects .....	247	145	392	230	134	364	227	133	360
<b>Electric power construction</b> .....	<b>19,026</b>	<b>2,150</b>	<b>21,176</b>	<b>23,863</b>	<b>2,062</b>	<b>25,925</b>	<b>38,232</b>	<b>4,046</b>	<b>42,278</b>
45. Electric power generating plants, including water conveying and controlling structures .....	12,125	455	12,580	15,870	364	16,234	22,623	1,380	24,003
46. Electric transformer stations .....	254	143	397	717	369	1,086	2,559	336	2,895
47. Power transmission and distribution lines, trolley wires .....	6,135	1,502	7,637	6,668	1,164	7,832	12,426	2,130	14,556
48. Street lighting .....	512	50	562	606	165	773	624	200	824
<b>Railway, telephone and telegraph</b> .....	<b>7,790</b>	<b>4,236</b>	<b>12,026</b>	<b>7,064</b>	<b>3,738</b>	<b>10,802</b>	<b>7,959</b>	<b>3,954</b>	<b>11,913</b>
49. Railway tracks and roadbed .....	1,773	2,646	4,419	1,746	2,292	4,038	2,671	2,418	5,089
50. Signals and interlockers .....	193	252	445	220	283	503	338	298	636
51. Telegraph and telephone lines, underground and marine cables .....	5,824	1,338	7,162	5,098	1,163	6,261	4,950	1,238	6,188
<b>Gas and oil facilities</b> .....	<b>314</b>	<b>86</b>	<b>400</b>	<b>464</b>	<b>110</b>	<b>574</b>	<b>152</b>	<b>120</b>	<b>272</b>
52. Gas mains and services .....	-	6	6	-	-	-	-	-	-
53. Pumping stations, oil .....	-	-	-	84	104	188	93	115	208
54. Pumping stations, gas .....	-	-	-	-	-	-	-	-	-
55. Oil storage tanks .....	291	69	360	380	6	386	59	5	64
56. Gas storage tanks .....	-	-	-	-	-	-	-	-	-
57. Oil pipe lines .....	23	9	32	-	-	-	-	-	-
58. Gas pipe lines.....	-	2	2	-	-	-	-	-	-
59. Oil wells .....	-	-	-	-	-	-	-	-	-
60. Gas wells .....	-	-	-	-	-	-	-	-	-
61. Oil refinery - Processing units <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
62. Natural gas cleaning plants .....	-	-	-	-	-	-	-	-	-
<b>Other engineering construction</b> .....	<b>18,417</b>	<b>6,838</b>	<b>25,255</b>	<b>14,086</b>	<b>8,086</b>	<b>22,172</b>	<b>40,640</b>	<b>5,199</b>	<b>45,839</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	12,370	1,894	14,264	8,835	1,504	10,339	3,746	1,490	5,236
64. Tunnels and subways .....	40	15	55	-	7	7	-	7	7
65. Incinerators .....	-	5	5	-	2	2	-	2	2
66. Park systems, landscaping, sodding, etc. ....	316	417	733	616	198	814	687	202	889
67. Swimming pools, tennis courts, outdoor recreation facilities ....	60	35	95	25	17	42	26	17	43
68. Mine shafts and other below surface workings .....	943	124	1,067	973	-	973	1,650	151	1,801
69. Fences, snowsheds, signs, guard rails .....	380	327	707	321	252	573	333	253	586
70. Other engineering construction .....	4,308	4,021	8,329	3,316	6,106	9,422	34,198	3,077	37,275

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Included in "Other engineering construction".

TABLE 21. Total Value of Construction Work Performed - New and Repair by Type of Structure - New Brunswick, 1967-69<sup>1,2,3</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>246,965</b>	<b>48,532</b>	<b>295,497</b>	<b>217,401</b>	<b>51,431</b>	<b>268,832</b>	<b>246,031</b>	<b>52,308</b>	<b>298,339</b>
<b>Total building construction</b> .....	<b>101,618</b>	<b>26,238</b>	<b>127,856</b>	<b>126,568</b>	<b>25,672</b>	<b>152,240</b>	<b>151,487</b>	<b>27,323</b>	<b>178,810</b>
<b>Residential</b> .....	<b>42,600</b>	<b>12,100</b>	<b>54,700</b>	<b>54,600</b>	<b>12,100</b>	<b>66,700</b>	<b>73,300</b>	<b>12,900</b>	<b>86,200</b>
<b>Industrial</b> .....	<b>12,792</b>	<b>4,141</b>	<b>16,933</b>	<b>12,238</b>	<b>2,951</b>	<b>15,189</b>	<b>14,009</b>	<b>2,667</b>	<b>16,676</b>
2. Factories, plants, workshops, food canneries .....	10,404	3,224	13,628	10,886	2,096	12,982	12,118	1,864	13,982
3. Mine and mine mill buildings .....	1,866	14	1,880	58	109	167	1,118	21	1,139
4. Railway stations, offices, roadway buildings .....	359	641	1,000	1,081	466	1,547	405	489	894
5. Railway shops, engine houses, water and fuel stations .....	163	262	425	213	280	493	368	293	661
<b>Commercial</b> .....	<b>17,377</b>	<b>5,122</b>	<b>22,499</b>	<b>16,864</b>	<b>5,132</b>	<b>21,996</b>	<b>20,961</b>	<b>5,410</b>	<b>26,371</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	2,589	514	3,103	2,199	346	2,545	3,867	352	4,219
7. Grain elevators .....	2	6	8	1	2	3	2	2	4
8. Hotels, clubs, restaurants, cafeterias, tourists cabins .....	804	254	1,058	676	170	846	493	182	675
9. Office buildings .....	6,477	1,976	8,453	2,219	2,637	4,856	5,060	2,906	7,966
10. Stores, retail and wholesale .....	5,179	1,209	6,388	8,908	993	9,901	9,314	932	10,246
11. Garages and service stations .....	1,206	703	1,909	1,292	666	1,958	1,757	684	2,441
12. Theatres, arenas, amusement and recreational buildings .....	1,114	393	1,507	1,041	285	1,326	468	313	781
13. Laundries and dry cleaning establishments .....	6	67	73	528	33	561	-	39	39
<b>Institutional</b> .....	<b>25,955</b>	<b>2,241</b>	<b>28,196</b>	<b>39,946</b>	<b>3,375</b>	<b>43,321</b>	<b>39,541</b>	<b>4,066</b>	<b>43,607</b>
14. Schools and other educational buildings .....	19,334	1,378	20,712	30,030	1,567	31,597	28,698	2,411	31,109
15. Churches and other religious buildings .....	622	294	916	528	469	997	61	347	408
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	5,565	412	5,977	7,374	956	8,330	9,881	1,219	11,100
17. Other institutional buildings .....	434	157	591	2,014	383	2,397	901	89	990
<b>Other building construction</b> .....	<b>2,894</b>	<b>2,634</b>	<b>5,528</b>	<b>2,920</b>	<b>2,114</b>	<b>5,034</b>	<b>3,676</b>	<b>2,280</b>	<b>5,956</b>
18. Farm buildings (excluding dwellings) .....	1,417	928	2,345	1,513	1,010	2,523	1,498	1,004	2,502
19. Broadcasting, radio and television, relay and booster stations, telephone exchange .....	1,012	135	1,147	1,040	170	1,210	1,931	326	2,257
20. Aeroplane hangars .....	6	87	93	3	43	46	3	41	44
21. Passenger terminals, bus, boat or air .....	60	2	62	34	4	38	29	3	32
22. Armouries, barracks, drill halls, etc. ....	37	912	949	21	524	545	18	497	515
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	165	362	527	79	232	311	118	268	386
24. Other building construction .....	197	208	405	230	131	361	79	141	220
<b>Total engineering construction</b> .....	<b>145,347</b>	<b>22,294</b>	<b>167,641</b>	<b>90,833</b>	<b>25,759</b>	<b>116,592</b>	<b>94,544</b>	<b>24,985</b>	<b>119,529</b>
<b>Marine construction</b> .....	<b>12,407</b>	<b>938</b>	<b>13,345</b>	<b>5,144</b>	<b>613</b>	<b>5,757</b>	<b>4,337</b>	<b>552</b>	<b>4,889</b>
25. Docks, wharves, piers, breakwaters .....	11,495	474	11,969	4,633	244	4,877	3,966	233	4,199
26. Retaining walls, embankments, riprapping .....	3	1	4	12	1	13	2	1	3
27. Canals and waterways .....	73	-	73	41	-	41	35	-	35
28. Dredging and pile driving .....	372	20	392	215	94	309	128	81	209
29. Dyke construction .....	430	98	528	242	56	298	205	53	258
30. Logging booms .....	-	35	35	-	40	40	-	15	15
31. Other marine construction .....	34	310	344	1	178	179	1	169	170

See footnotes at end of table.



TABLE 21. Total Value of Construction Work Performed - New and Repair by Type of Structure - New Brunswick, 1967-69<sup>1,2,3</sup> - Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>54,897</b>	<b>9,528</b>	<b>64,425</b>	<b>28,281</b>	<b>13,397</b>	<b>41,678</b>	<b>28,233</b>	<b>13,266</b>	<b>41,499</b>
32. Hard surfaced or paved streets, highways, parking lots, etc.....	13,182	8,437	21,619	18,402	9,223	27,625	18,669	8,606	27,275
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	39,827	203	40,030	8,459	3,239	11,698	8,364	3,294	11,658
34. Dirt, clay or other streets, roads, parking lots, etc. ....	503	724	1,227	412	850	1,262	370	1,239	1,609
35. Grading, scraping, oiling, filling .....	1	-	1	7	-	7	1	-	1
36. Sidewalks, paths .....	116	92	208	281	52	333	228	96	324
37. Aerodromes, landings fields, runways, tarmac .....	1,268	72	1,340	720	33	753	601	31	632
<b>Waterworks and sewage systems</b> .....	<b>4,751</b>	<b>1,313</b>	<b>6,064</b>	<b>5,939</b>	<b>1,660</b>	<b>7,599</b>	<b>5,701</b>	<b>1,464</b>	<b>7,165</b>
38. Tile drains, drainage ditches, storm sewers .....	144	101	245	238	110	348	320	110	430
39. Water mains, hydrants and services .....	1,676	1,120	2,796	3,065	1,062	4,127	1,678	886	2,564
40. Sewage systems and connections .....	1,944	67	2,011	2,338	463	2,801	3,382	448	3,830
41. Pumping stations, water .....	966	10	976	186	6	192	112	4	116
42. Water storage tanks .....	21	15	36	112	19	131	209	16	225
<b>Dams and irrigation</b> .....	<b>478</b>	<b>125</b>	<b>603</b>	<b>546</b>	<b>185</b>	<b>731</b>	<b>390</b>	<b>174</b>	<b>564</b>
43. Dams and reservoirs .....	313	13	326	290	27	317	135	16	151
44. Irrigation and land reclamation projects .....	165	112	277	256	158	414	255	158	413
<b>Electric power construction</b> .....	<b>39,695</b>	<b>1,558</b>	<b>41,253</b>	<b>20,720</b>	<b>627</b>	<b>21,347</b>	<b>26,402</b>	<b>650</b>	<b>27,052</b>
45. Electric power generating plants, including water conveying and controlling structures .....	29,837	315	30,152	16,203	58	16,261	20,777	59	20,836
46. Electric transformer stations .....	908	70	978	534	14	548	684	8	692
47. Power transmission and distribution lines, trolley wires .....	8,584	1,041	9,625	3,762	484	4,246	4,701	510	5,211
48. Street lighting .....	366	132	498	221	71	292	240	73	313
<b>Railway, telephone and telegraph</b> .....	<b>9,497</b>	<b>6,314</b>	<b>15,811</b>	<b>8,188</b>	<b>6,108</b>	<b>14,296</b>	<b>10,534</b>	<b>6,581</b>	<b>17,115</b>
49. Railway tracks and roadbed .....	4,362	4,587	8,949	3,112	4,324	7,436	4,023	4,530	8,553
50. Signals and interlockers .....	300	562	862	402	533	935	514	560	1,074
51. Telegraph and telephone lines, underground and marine cables .....	4,835	1,165	6,000	4,674	1,251	5,925	5,997	1,491	7,488
<b>Gas and oil facilities</b> .....	<b>410</b>	<b>44</b>	<b>454</b>	<b>572</b>	<b>85</b>	<b>657</b>	<b>455</b>	<b>94</b>	<b>549</b>
52. Gas mains and services .....	3	10	13	3	-	3	3	-	3
53. Pumping stations, oil .....	-	-	-	229	67	296	247	74	321
54. Pumping stations, gas .....	-	-	-	-	-	-	-	-	-
55. Oil storage tanks .....	245	22	267	338	6	344	203	5	208
56. Gas storage tanks .....	64	-	64	-	-	-	-	-	-
57. Oil pipe lines .....	40	-	40	-	-	-	-	-	-
58. Gas pipe lines .....	-	-	-	2	-	2	2	-	2
59. Oil wells .....	39	8	47	-	12	12	-	15	15
60. Gas wells .....	19	4	23	-	-	-	-	-	-
61. Oil refinery - Processing units <sup>3</sup> .....	-	-	-	-	-	-	-	-	-
62. Natural gas cleaning plants .....	-	-	-	-	-	-	-	-	-
<b>Other engineering construction</b> .....	<b>23,212</b>	<b>2,474</b>	<b>25,686</b>	<b>21,443</b>	<b>3,084</b>	<b>24,527</b>	<b>18,492</b>	<b>2,204</b>	<b>20,696</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	17,327	1,649	18,976	12,139	1,610	13,749	13,348	1,601	14,949
64. Tunnels and subways .....	-	-	-	-	-	-	-	-	-
65. Inclinerators .....	-	-	-	-	-	-	-	-	-
66. Park systems, landscaping, sodding, etc. ....	1,481	344	1,825	864	245	1,109	832	264	1,096
67. Swimming pools, tennis courts, outdoor recreation facilities....	823	67	890	337	19	356	345	24	369
68. Mine shafts and other below surface workings .....	3,106	48	3,154	4,147	20	4,167	3,242	-	3,242
69. Fences, snowsheds, signs, guard rails .....	330	222	552	391	222	613	397	227	624
70. Other engineering construction .....	145	144	289	3,565	968	4,533	328	88	416

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Included in "Other engineering construction".

TABLE 22. Total Value of Construction Work Performed - New and Repair by Type of Structure - Quebec, 1967-69<sup>1,2,3</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
thousands of dollars									
<b>Total value of construction</b> .....	<b>1,988,480</b>	<b>554,333</b>	<b>2,542,813</b>	<b>2,141,495</b>	<b>533,126</b>	<b>2,674,621</b>	<b>2,216,803</b>	<b>566,224</b>	<b>2,783,027</b>
<b>Total building construction</b> .....	<b>1,263,893</b>	<b>332,764</b>	<b>1,596,657</b>	<b>1,338,202</b>	<b>345,171</b>	<b>1,683,373</b>	<b>1,399,446</b>	<b>353,208</b>	<b>1,752,654</b>
<b>Residential</b> .....	<b>569,300</b>	<b>193,300</b>	<b>762,600</b>	<b>624,700</b>	<b>197,000</b>	<b>821,700</b>	<b>666,000</b>	<b>214,800</b>	<b>880,800</b>
<b>Industrial</b> .....	<b>136,304</b>	<b>49,453</b>	<b>185,757</b>	<b>115,794</b>	<b>45,388</b>	<b>161,182</b>	<b>107,167</b>	<b>47,649</b>	<b>154,816</b>
2. Factories, plants, workshops, food canneries ....	126,636	41,727	168,363	108,653	39,912	148,565	100,828	41,903	142,731
3. Mine and mine mill buildings .....	4,033	3,223	7,256	4,655	2,301	6,956	3,987	2,446	6,433
4. Railway stations, offices, roadway buildings ....	4,357	2,469	6,826	1,482	1,922	3,404	1,500	2,042	3,542
5. Railway shops, engine houses, water and fuel stations .....	1,278	2,034	3,312	1,004	1,253	2,257	852	1,258	2,110
<b>Commercial</b> .....	<b>247,736</b>	<b>41,925</b>	<b>289,661</b>	<b>233,679</b>	<b>39,922</b>	<b>273,601</b>	<b>233,325</b>	<b>44,133</b>	<b>277,458</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	16,217	3,254	19,471	24,662	3,622	28,284	19,630	3,771	23,401
7. Grain elevators .....	11,425	911	12,336	98	689	787	48	702	750
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	18,775	4,476	23,251	9,800	3,557	13,357	8,148	3,364	11,512
9. Office buildings .....	76,782	14,986	91,768	89,611	17,277	106,888	108,901	21,449	130,350
10. Stores, retail and wholesale .....	67,696	13,574	81,270	71,797	8,949	80,746	59,366	9,343	68,709
11. Garages and service stations .....	16,989	3,186	20,175	11,955	4,069	16,024	14,491	3,974	18,465
12. Theatres, arenas, amusement and recreational buildings .....	39,290	1,153	40,443	25,419	1,456	26,875	22,453	1,216	23,669
13. Laundries and dry cleaning establishments .....	562	385	947	337	303	640	288	314	602
<b>Institutional</b> .....	<b>227,453</b>	<b>28,834</b>	<b>256,287</b>	<b>282,196</b>	<b>28,247</b>	<b>310,443</b>	<b>291,383</b>	<b>29,309</b>	<b>320,692</b>
14. Schools and other educational buildings .....	178,727	14,731	193,458	242,199	15,985	258,184	225,246	16,258	241,504
15. Churches and other religious buildings .....	10,606	2,477	13,083	3,355	2,552	5,907	2,930	2,794	5,724
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	28,171	9,077	37,248	30,889	8,335	39,224	56,550	9,292	65,842
17. Other institutional buildings .....	9,949	2,549	12,498	5,753	1,375	7,128	6,657	965	7,622
<b>Other building construction</b> .....	<b>83,100</b>	<b>19,252</b>	<b>102,352</b>	<b>81,833</b>	<b>34,614</b>	<b>116,447</b>	<b>101,571</b>	<b>17,317</b>	<b>118,888</b>
18. Farm buildings (excluding dwellings) .....	38,802	12,122	50,924	37,557	11,595	49,152	38,018	11,707	49,725
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	10,208	556	10,764	12,695	1,109	13,804	20,208	942	21,150
20. Aeroplane hangars .....	7	309	316	90	199	289	270	204	474
21. Passenger terminals, bus, boat or air .....	8,747	1,289	10,036	1,043	509	1,552	3,442	368	3,810
22. Armouries, barracks, drill halls, etc. ....	403	1,728	2,131	687	1,127	1,814	827	1,136	1,963
23. Burkhouses, dormitories, camp cookeries, bush depots and camps .....	3,441	1,463	4,904	925	1,367	2,292	4,156	2,232	6,388
24. Other building construction .....	21,492	1,785	23,277	28,836	18,708	47,544	34,650	728	35,378
<b>Total engineering construction</b> .....	<b>724,587</b>	<b>221,569</b>	<b>946,156</b>	<b>803,293</b>	<b>187,955</b>	<b>991,248</b>	<b>817,357</b>	<b>213,016</b>	<b>1,030,373</b>
<b>Marine construction</b> .....	<b>30,129</b>	<b>13,335</b>	<b>43,464</b>	<b>35,011</b>	<b>3,985</b>	<b>38,996</b>	<b>40,788</b>	<b>3,937</b>	<b>44,725</b>
25. Docks, wharves, piers, breakwaters .....	12,424	2,036	14,460	25,706	1,641	27,347	29,117	1,491	30,608
26. Retaining walls, embankments, riprapping .....	9,573	3,708	13,281	978	100	1,078	1,154	152	1,306
27. Canals and waterways .....	3,300	4,234	7,534	1,143	593	1,736	1,800	559	2,359
28. Dredging and pile driving .....	3,798	1,965	5,763	6,541	633	7,174	7,691	772	8,463
29. Dyke construction .....	565	13	578	405	6	411	355	14	369
30. Logging booms .....	400	169	569	134	177	311	50	163	213
31. Other marine construction .....	69	1,210	1,279	104	835	939	621	786	1,407

See footnotes at end of table.



TABLE 22. Total Value of Construction Work Performed - New and Repair by Type of Structure - Quebec, 1967-69<sup>1</sup> - Continued

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>202,995</b>	<b>89,181</b>	<b>292,176</b>	<b>184,992</b>	<b>48,756</b>	<b>233,748</b>	<b>201,735</b>	<b>81,103</b>	<b>282,838</b>
32. Hard surfaced or paved streets, highways, parking lots, etc....	142,134	34,180	176,314	171,396	38,837	210,233	179,792	68,410	248,202
33. Gravel or stone streets, highways, roads, parking lots, etc....	44,804	25,946	70,750	4,908	2,347	7,255	7,838	2,924	10,762
34. Dirt, clay or other streets, roads, parking lots, etc.....	9,594	18,060	27,654	5,574	3,800	9,374	10,820	5,892	16,712
35. Grading, scraping, oiling, filling.....	4,663	7,489	12,152	99	11	110	15	35	50
36. Sidewalks, paths.....	1,578	3,329	4,907	2,764	3,635	6,399	2,972	3,722	6,694
37. Aerodromes, landing fields, runways, tarmac.....	222	177	399	251	126	377	298	120	418
<b>Waterworks and sewage systems</b> .....	<b>83,821</b>	<b>25,503</b>	<b>109,324</b>	<b>99,677</b>	<b>21,204</b>	<b>120,881</b>	<b>107,665</b>	<b>23,660</b>	<b>131,325</b>
38. Tile drains, drainage ditches, storm sewers.....	9,581	5,157	14,738	5,383	1,332	6,715	5,278	1,367	6,645
39. Water mains, hydrants and services.....	29,895	8,248	38,143	26,143	7,979	34,122	24,750	9,619	34,369
40. Sewage systems and connections.....	36,204	11,201	47,405	62,637	10,756	73,393	67,426	11,028	78,454
41. Pumping stations, water.....	7,253	684	7,937	4,951	863	5,814	9,248	1,386	10,634
42. Water storage tanks.....	888	213	1,101	563	274	837	963	260	1,223
<b>Dams and irrigation</b> .....	<b>6,623</b>	<b>1,860</b>	<b>8,483</b>	<b>7,513</b>	<b>1,953</b>	<b>9,466</b>	<b>9,519</b>	<b>2,800</b>	<b>12,319</b>
43. Dams and reservoirs.....	1,595	378	1,973	2,805	539	3,344	3,967	772	4,739
44. Irrigation and land reclamation projects.....	5,028	1,482	6,510	4,708	1,414	6,122	5,552	2,028	7,580
<b>Electric power construction</b> .....	<b>222,426</b>	<b>12,570</b>	<b>234,996</b>	<b>235,970</b>	<b>11,183</b>	<b>247,153</b>	<b>205,921</b>	<b>11,966</b>	<b>217,887</b>
45. Electric power generating plants, including water conveying and controlling structures.....	170,319	3,856	174,175	127,004	4,286	131,290	94,820	4,604	99,424
46. Electric transformer stations.....	6,230	1,040	7,270	30,631	850	31,481	25,825	1,008	26,833
47. Power transmission and distribution lines, trolley wires.....	39,545	6,350	45,895	78,041	5,787	83,828	84,918	6,084	91,002
48. Street lighting.....	6,332	1,324	7,656	294	260	554	358	270	628
<b>Railway, telephone and telegraph</b> .....	<b>60,150</b>	<b>38,351</b>	<b>98,501</b>	<b>63,593</b>	<b>38,965</b>	<b>102,558</b>	<b>65,464</b>	<b>40,965</b>	<b>106,429</b>
49. Railway trucks and roadbed.....	13,195	19,148	32,343	12,743	20,764	33,507	15,877	21,841	37,718
50. Signals and interlockers.....	1,465	2,421	3,886	1,224	2,419	3,643	1,628	2,341	3,969
51. Telegraph and telephone lines, underground and marine cables.....	45,490	16,782	62,272	49,626	15,782	65,408	47,959	16,783	64,742
<b>Gas and oil facilities</b> .....	<b>30,694</b>	<b>13,691</b>	<b>44,385</b>	<b>74,724</b>	<b>12,046</b>	<b>86,770</b>	<b>71,198</b>	<b>15,743</b>	<b>86,941</b>
52. Gas mains and services.....	1,512	69	1,581	14,079	1,087	15,166	12,571	1,366	13,937
53. Pumping stations, oil.....	243	11	254	296	127	423	201	117	318
54. Pumping stations, gas.....	6	-	6	56	-	56	-	-	-
55. Oil storage tanks.....	4,859	1,312	6,171	5,744	1,404	7,148	5,359	1,485	6,844
56. Gas storage tanks.....	188	-	188	1,382	76	1,458	3,350	116	3,466
57. Oil pipe lines.....	4,820	367	5,187	2,152	214	2,366	1,659	572	2,231
58. Gas pipe lines.....	29	64	93	4,222	56	4,278	60	63	123
59. Oil wells.....	80	-	80	451	-	451	1,250	-	1,250
60. Gas wells.....	37	-	37	-	-	-	9	-	9
61. Oil refinery - Processing units <sup>2</sup> .....	18,920	11,868	30,788	46,332	9,082	55,414	46,739	12,024	58,763
62. Natural gas cleaning plants.....	-	-	-	10	-	10	-	-	-
<b>Other engineering construction</b> .....	<b>87,749</b>	<b>27,078</b>	<b>114,827</b>	<b>101,813</b>	<b>49,863</b>	<b>151,676</b>	<b>115,067</b>	<b>32,842</b>	<b>147,909</b>
63. Bridges, trestles, culverts, overpasses, viaducts.....	31,590	4,016	35,606	58,391	7,915	66,306	71,081	10,324	81,405
64. Tunnels and subways.....	11,411	2,092	13,503	-	452	452	-	449	449
65. Incinerators.....	8	24	32	3	16	19	3	22	25
66. Park systems, landscaping, sodding, etc.....	8,264	584	8,848	646	461	1,107	1,241	372	1,613
67. Swimming pools, tennis courts, outdoor recreation facilities.....	125	68	193	1,160	259	1,419	2,193	558	2,751
68. Mine shafts and other below surface workings.....	14,655	672	15,327	6,507	1,183	7,690	9,955	1,111	11,066
69. Fences, snowsheds, signs, guard rails.....	7,181	3,212	10,393	6,173	2,245	8,418	6,247	2,240	8,487
70. Other engineering construction.....	14,515	16,410	30,925	28,933	37,332	66,265	24,347	17,766	42,113

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Item 61 "Oil refinery - Processing units" includes related structures employed in production of petrochemicals.

TABLE 23. Total Value of Construction Work Performed—New and Repair by Type of Structure—Ontario, 1967-69<sup>1,2,3</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>3,172,476</b>	<b>756,518</b>	<b>3,928,994</b>	<b>3,434,921</b>	<b>771,548</b>	<b>4,206,469</b>	<b>3,906,066</b>	<b>803,710</b>	<b>4,709,776</b>
<b>Total building construction</b> .....	<b>2,215,097</b>	<b>484,880</b>	<b>2,699,977</b>	<b>2,396,880</b>	<b>486,480</b>	<b>2,883,360</b>	<b>2,742,075</b>	<b>504,891</b>	<b>3,246,966</b>
<b>Residential</b> .....	<b>921,400</b>	<b>272,400</b>	<b>1,193,800</b>	<b>1,131,800</b>	<b>280,000</b>	<b>1,411,800</b>	<b>1,300,200</b>	<b>288,400</b>	<b>1,588,600</b>
<b>Industrial</b> .....	<b>326,379</b>	<b>84,508</b>	<b>410,887</b>	<b>248,937</b>	<b>82,955</b>	<b>331,892</b>	<b>298,667</b>	<b>89,212</b>	<b>387,879</b>
2. Factories, plants, workshops, food canneries ....	258,574	64,750	323,324	198,817	64,739	263,556	238,167	69,242	307,409
3. Mine and mine mill buildings .....	62,763	12,897	75,660	46,394	11,926	58,320	54,842	13,374	68,216
4. Railway stations, offices, roadway buildings .....	3,718	4,866	8,584	2,117	4,027	6,144	3,298	4,206	7,504
5. Railway shops, engine houses, water and fuel stations .....	1,324	1,995	3,319	1,609	2,263	3,872	2,360	2,390	4,750
<b>Commercial</b> .....	<b>425,747</b>	<b>65,598</b>	<b>491,345</b>	<b>386,409</b>	<b>57,831</b>	<b>444,240</b>	<b>481,820</b>	<b>58,212</b>	<b>540,032</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	35,098	7,498	42,596	39,080	6,721	45,801	32,287	7,319	39,606
7. Grain elevators .....	843	529	1,372	400	257	657	338	180	518
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	31,908	5,233	37,141	18,154	5,022	23,176	43,855	4,816	48,671
9. Office buildings .....	221,849	22,434	244,283	209,413	18,954	228,367	221,754	18,012	239,766
10. Stores, retail and wholesale .....	76,324	18,070	94,394	61,046	14,161	75,207	103,015	14,719	117,734
11. Garages and service stations .....	24,397	7,325	31,722	31,929	7,414	39,343	40,043	8,252	48,295
12. Theatres, arenas, amusement and recreational buildings .....	34,781	3,858	38,639	25,448	4,607	30,055	39,988	4,361	44,349
13. Laundries and dry cleaning establishments .....	547	651	1,198	939	695	1,634	540	553	1,093
<b>Institutional</b> .....	<b>459,692</b>	<b>27,925</b>	<b>487,617</b>	<b>554,713</b>	<b>35,012</b>	<b>589,725</b>	<b>581,713</b>	<b>37,842</b>	<b>619,555</b>
14. Schools and other educational buildings .....	334,813	13,502	348,315	390,533	14,639	405,172	369,637	16,570	386,207
15. Churches and other religious buildings .....	17,641	3,154	20,795	16,068	2,619	18,687	18,677	2,024	20,701
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	85,038	8,704	93,742	94,612	13,411	108,023	138,475	14,054	152,529
17. Other institutional buildings .....	22,200	2,565	24,765	53,500	4,343	57,843	54,924	5,194	60,118
<b>Other building construction</b> .....	<b>81,879</b>	<b>34,449</b>	<b>116,328</b>	<b>75,021</b>	<b>30,682</b>	<b>105,703</b>	<b>79,675</b>	<b>31,225</b>	<b>110,900</b>
18. Farm buildings (excluding dwellings) .....	50,033	25,735	75,768	48,568	24,400	72,968	48,763	24,539	73,302
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	7,506	500	8,006	13,092	434	13,526	15,563	420	15,983
20. Aeroplane hangars .....	133	575	708	152	341	493	699	363	1,062
21. Passenger terminals, bus, boat or air .....	377	113	490	942	84	1,026	2,736	136	2,872
22. Armouries, barracks, drill halls, etc. ....	472	2,323	2,795	582	1,535	2,117	549	1,630	2,179
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	1,362	706	2,068	651	576	1,227	1,640	595	2,235
24. Other building construction .....	21,996	4,497	26,493	11,034	3,312	14,346	9,725	3,542	13,267
<b>Total engineering construction</b> .....	<b>957,379</b>	<b>271,638</b>	<b>1,229,017</b>	<b>1,038,041</b>	<b>285,068</b>	<b>1,323,109</b>	<b>1,163,991</b>	<b>298,819</b>	<b>1,462,810</b>
<b>Marine construction</b> .....	<b>21,435</b>	<b>3,428</b>	<b>24,863</b>	<b>31,236</b>	<b>4,136</b>	<b>35,372</b>	<b>40,922</b>	<b>4,935</b>	<b>45,857</b>
25. Docks, wharves, piers, breakwaters .....	7,694	1,227	8,921	6,062	1,701	7,763	5,703	1,746	7,449
26. Retaining walls, embankments, riprapping .....	207	143	350	3,048	111	3,159	4,438	116	4,554
27. Canals and waterways .....	10,910	1,782	12,692	18,553	2,090	20,643	25,278	2,915	28,193
28. Dredging and pile driving .....	829	28	857	962	42	1,004	932	16	948
29. Dyke construction .....	16	34	50	5	23	28	—	16	16
30. Logging booms .....	6	72	78	—	62	62	—	26	26
31. Other marine construction .....	1,773	142	1,915	2,606	107	2,713	4,571	100	4,671

See footnotes at end of table.



TABLE 23. Total Value of Construction Work Performed - New and Repair by Type of Structure - Ontario 1967-69<sup>1</sup> - Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>278,530</b>	<b>109,429</b>	<b>387,959</b>	<b>309,201</b>	<b>110,925</b>	<b>420,126</b>	<b>322,153</b>	<b>115,874</b>	<b>438,027</b>
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	230,506	84,702	315,208	258,837	86,970	345,807	268,275	90,795	359,070
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	26,616	9,583	36,199	29,376	9,346	38,722	31,056	10,275	41,331
34. Dirt, clay or other streets, roads, parking lots, etc. ....	2,433	2,995	5,428	1,253	1,776	3,029	2,288	1,861	4,149
35. Grading, scraping, oiling, filling .....	12,095	9,180	21,275	11,925	9,644	21,569	12,574	9,831	22,405
36. Sidewalks, paths .....	5,484	2,744	8,228	6,204	3,033	9,237	6,376	2,948	9,324
37. Aerodromes, landing fields, runways, tarmac .....	1,396	225	1,621	1,606	156	1,762	1,584	164	1,748
<b>Waterworks and sewage systems</b> .....	<b>128,716</b>	<b>21,937</b>	<b>150,653</b>	<b>147,640</b>	<b>25,597</b>	<b>173,237</b>	<b>172,239</b>	<b>26,247</b>	<b>198,486</b>
38. Tile drains, drainage ditches, storm sewers .....	10,781	2,953	13,734	10,194	2,829	13,023	9,413	2,935	12,348
39. Water mains, hydrants and services .....	33,416	9,211	42,627	34,038	10,116	44,154	41,896	10,397	52,293
40. Sewage systems and connections .....	71,380	8,022	79,402	93,479	11,014	104,493	103,944	11,142	115,086
41. Pumping stations, water .....	12,063	1,276	13,339	8,784	1,184	9,968	15,141	1,310	16,451
42. Water storage tanks .....	1,076	475	1,551	1,145	454	1,599	1,845	463	2,308
<b>Dams and irrigation</b> .....	<b>9,429</b>	<b>3,450</b>	<b>12,879</b>	<b>15,335</b>	<b>3,406</b>	<b>18,741</b>	<b>15,264</b>	<b>3,425</b>	<b>18,689</b>
43. Dams and reservoirs .....	3,210	278	3,488	9,601	399	10,000	9,156	399	9,555
44. Irrigation and land reclamation projects .....	6,219	3,172	9,391	5,734	3,007	8,741	6,108	3,026	9,134
<b>Electric power construction</b> .....	<b>165,397</b>	<b>32,525</b>	<b>197,922</b>	<b>205,252</b>	<b>39,406</b>	<b>244,658</b>	<b>264,173</b>	<b>44,727</b>	<b>308,900</b>
45. Electric power generating plants, including water conveying and controlling structures .....	71,141	6,524	77,665	87,528	11,502	99,030	101,512	13,869	115,381
46. Electric transformer stations .....	14,523	2,843	17,366	14,839	3,117	17,956	22,125	3,705	25,830
47. Power transmission and distribution lines, trolley wires .....	72,020	20,437	92,457	95,182	21,646	116,828	132,032	24,070	156,102
48. Street lighting .....	7,713	2,721	10,434	7,703	3,141	10,844	8,504	3,088	11,592
<b>Railway, telephone and telegraph</b> .....	<b>87,494</b>	<b>59,646</b>	<b>147,140</b>	<b>98,378</b>	<b>56,672</b>	<b>155,050</b>	<b>118,105</b>	<b>60,036</b>	<b>178,141</b>
49. Railway tracks and roadbed .....	39,814	33,291	73,105	37,527	32,929	70,456	47,990	34,491	82,481
50. Signals and interlockers .....	3,719	4,400	8,119	2,867	4,120	6,987	4,480	4,346	8,826
51. Telegraph and telephone lines, underground and marine cables .....	43,961	21,955	65,916	57,984	19,623	77,607	65,635	21,199	86,834
<b>Gas and oil facilities</b> .....	<b>103,693</b>	<b>19,759</b>	<b>123,452</b>	<b>96,627</b>	<b>25,972</b>	<b>122,599</b>	<b>98,379</b>	<b>25,534</b>	<b>123,913</b>
52. Gas mains and services .....	29,315	2,020	31,335	25,414	1,454	26,868	23,826	1,434	25,260
53. Pumping stations, oil .....	897	48	945	367	368	735	1,401	349	1,750
54. Pumping stations, gas .....	1,207	735	1,942	6,387	176	6,563	1,446	176	1,622
55. Oil storage tanks .....	2,523	893	3,416	1,868	1,087	2,955	3,467	1,481	4,948
56. Gas storage tanks .....	1,990	49	2,039	-	1	1	571	1	572
57. Oil pipe lines .....	4,636	1,030	5,666	1,639	575	2,214	1,636	670	2,306
58. Gas pipe lines .....	17,968	1,019	18,987	26,218	2,422	28,640	24,307	2,555	26,862
59. Oil wells .....	1,235	437	1,672	2,398	1,377	3,775	654	233	887
60. Gas wells .....	1,071	331	1,402	2,450	1,591	4,041	6,383	2,178	8,561
61. Oil refinery - Processing units <sup>3</sup> .....	42,791	13,186	55,977	28,180	16,521	44,701	31,729	16,037	47,766
62. Natural gas cleaning plants .....	60	11	71	1,706	400	2,106	2,959	420	3,379
<b>Other engineering construction</b> .....	<b>162,685</b>	<b>21,464</b>	<b>184,149</b>	<b>134,372</b>	<b>18,954</b>	<b>153,326</b>	<b>132,756</b>	<b>18,041</b>	<b>150,797</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	39,961	6,475	46,436	62,217	5,601	67,818	60,462	5,512	65,974
64. Tunnels and subways .....	42,859	86	42,945	19,698	35	19,733	32,733	38	32,771
65. Incinerators .....	59	19	78	74	18	92	115	17	132
66. Park systems, landscaping, sodding, etc. ....	3,562	2,476	6,038	3,849	2,681	6,530	3,418	2,076	5,494
67. Swimming pools, tennis courts, outdoor recreation facilities .....	140	529	669	1,179	710	1,889	1,155	728	1,883
68. Mine shafts and other below surface workings .....	34,421	1,815	36,236	25,732	2,438	28,170	9,517	1,714	11,231
69. Fences, snowsheds, signs, guard rails .....	11,444	4,815	16,259	10,576	4,363	14,939	10,945	4,429	15,374
70. Other engineering construction .....	30,239	5,249	35,488	11,047	3,108	14,155	14,411	3,527	17,938

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Item 61 "Oil refinery - Processing units" includes related structures employed in production of petrochemicals.



TABLE 24. Total Value of Construction Work Performed—New and Repair by Type of Structure—Manitoba, 1967-69<sup>1,2,3</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>449,510</b>	<b>108,212</b>	<b>557,722</b>	<b>545,521</b>	<b>99,651</b>	<b>645,172</b>	<b>624,296</b>	<b>103,888</b>	<b>728,184</b>
<b>Total building construction</b> .....	<b>208,784</b>	<b>59,962</b>	<b>268,746</b>	<b>242,816</b>	<b>54,087</b>	<b>296,903</b>	<b>286,628</b>	<b>56,786</b>	<b>343,414</b>
<b>Residential</b> .....	<b>89,500</b>	<b>31,400</b>	<b>120,900</b>	<b>98,900</b>	<b>31,800</b>	<b>130,700</b>	<b>113,400</b>	<b>32,900</b>	<b>146,300</b>
<b>Industrial</b> .....	<b>27,504</b>	<b>7,686</b>	<b>35,190</b>	<b>35,049</b>	<b>5,765</b>	<b>40,814</b>	<b>24,147</b>	<b>6,360</b>	<b>30,507</b>
2. Factories, plants, workshops, food canneries .....	24,133	4,865	28,998	20,753	3,547	24,300	14,239	3,893	18,132
3. Mine and mine mill buildings .....	1,617	355	1,972	13,068	327	13,395	8,102	445	8,547
4. Railway stations, offices, roadway buildings .....	1,359	1,687	3,046	639	1,174	1,813	942	1,245	2,187
5. Railway shops, engine houses, water and fuel stations .....	395	779	1,174	589	717	1,306	864	777	1,641
<b>Commercial</b> .....	<b>32,435</b>	<b>10,471</b>	<b>42,906</b>	<b>44,340</b>	<b>7,414</b>	<b>51,754</b>	<b>49,973</b>	<b>7,597</b>	<b>57,570</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	4,549	1,125	5,674	2,859	982	3,841	4,444	1,102	5,546
7. Grain elevators .....	1,583	1,380	2,963	2,352	950	3,302	1,346	607	1,953
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	1,993	931	2,924	2,000	696	2,696	7,662	561	8,223
9. Office buildings .....	9,090	3,462	12,552	16,599	2,276	18,875	14,217	2,554	16,771
10. Stores, retail and wholesale .....	8,043	2,151	10,194	10,379	1,435	11,814	9,151	1,707	10,858
11. Garages and service stations .....	3,291	863	4,154	6,105	747	6,852	8,179	762	8,941
12. Theatres, arenas, amusement and recreational buildings .....	3,796	518	4,314	4,026	298	4,324	4,852	240	5,092
13. Laundry and dry cleaning establishments .....	90	41	131	20	30	50	122	64	186
<b>Institutional</b> .....	<b>40,325</b>	<b>4,294</b>	<b>44,619</b>	<b>47,208</b>	<b>3,615</b>	<b>50,823</b>	<b>56,532</b>	<b>4,433</b>	<b>60,965</b>
14. Schools and other educational buildings .....	32,248	1,270	33,518	36,484	1,691	38,175	40,720	2,375	43,095
15. Churches and other religious buildings .....	1,596	361	1,957	2,361	237	2,598	1,794	216	2,010
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	4,322	2,274	6,596	4,363	1,250	5,613	6,549	1,471	8,020
17. Other institutional buildings .....	2,159	389	2,548	4,000	437	4,437	7,469	371	7,840
<b>Other building construction</b> .....	<b>19,020</b>	<b>6,111</b>	<b>25,131</b>	<b>17,319</b>	<b>5,493</b>	<b>22,812</b>	<b>42,576</b>	<b>5,496</b>	<b>48,072</b>
18. Farm buildings (excluding dwellings) .....	12,141	4,020	16,161	12,248	4,020	16,268	12,223	4,002	16,225
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	2,817	413	3,230	3,304	456	3,760	4,329	420	4,749
20. Aeroplane hangars .....	120	566	686	212	288	500	3,105	311	3,416
21. Passenger terminals, bus, boat or air .....	240	7	247	95	6	101	84	6	90
22. Armouries, barracks, drill halls, etc. ....	161	639	800	146	313	461	131	347	478
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	3,127	128	3,255	644	186	830	1,844	44	1,888
24. Other building construction .....	414	338	752	668	224	892	20,860	366	21,226
<b>Total engineering construction</b> .....	<b>240,726</b>	<b>48,250</b>	<b>288,976</b>	<b>302,705</b>	<b>45,564</b>	<b>348,269</b>	<b>337,668</b>	<b>47,102</b>	<b>384,770</b>
<b>Marine construction</b> .....	<b>5,203</b>	<b>1,255</b>	<b>6,458</b>	<b>3,485</b>	<b>673</b>	<b>4,158</b>	<b>3,442</b>	<b>653</b>	<b>4,095</b>
25. Docks, wharves, piers, breakwaters .....	363	111	474	371	114	485	395	118	513
26. Retaining walls, embankments, riprapping .....	5	4	9	615	—	615	394	—	394
27. Canals and waterways .....	3,138	182	3,320	—	—	—	—	—	—
28. Dredging and pile driving .....	—	—	—	2,000	10	2,010	1,925	3	1,928
29. Dyke construction .....	1,302	—	1,302	135	6	141	405	—	405
30. Logging booms .....	—	—	—	—	65	65	—	—	—
31. Other marine construction .....	395	958	1,353	364	478	842	323	532	855

See footnotes at end of table.

TABLE 24. Total Value of Construction Work Performed - New and Repair by Type of Structure - Manitoba, 1967-69<sup>1,2</sup> - Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road highway and aerodrome construction</b> .....	<b>46,499</b>	<b>8,451</b>	<b>54,950</b>	<b>42,646</b>	<b>8,282</b>	<b>50,928</b>	<b>36,979</b>	<b>8,941</b>	<b>45,920</b>
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	23,716	5,159	28,875	21,755	4,894	26,649	19,981	4,839	24,820
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	8,216	1,544	9,760	7,306	1,200	8,506	5,697	1,255	6,952
34. Dirt, clay or other streets, roads, parking lots, etc. ....	347	144	491	492	77	569	334	111	445
35. Grading, scraping, oiling, filling .....	13,203	1,291	14,494	12,122	1,801	13,923	10,077	2,422	12,499
36. Sidewalks, paths .....	444	166	610	490	238	728	463	234	697
37. Aerodromes, landing fields, runways, tarmac .....	573	147	720	481	72	553	427	80	507
<b>Waterworks and sewage systems</b> .....	<b>14,614</b>	<b>3,891</b>	<b>18,505</b>	<b>23,604</b>	<b>5,738</b>	<b>29,342</b>	<b>21,791</b>	<b>4,731</b>	<b>26,522</b>
38. Tile drains, drainage ditches, storm sewers .....	3,220	1,051	4,271	9,675	2,607	12,282	8,458	1,830	10,288
39. Water mains, hydrants and services .....	3,057	1,845	4,902	5,844	1,999	7,843	3,959	2,018	5,977
40. Sewage systems and connections .....	6,105	698	6,803	7,491	831	8,322	7,056	568	7,624
41. Pumping stations, water .....	1,974	234	2,208	410	234	644	2,135	249	2,384
42. Water storage tanks .....	258	63	321	184	67	251	183	66	249
<b>Dams and irrigation</b> .....	<b>5,763</b>	<b>579</b>	<b>6,342</b>	<b>10,697</b>	<b>626</b>	<b>11,323</b>	<b>12,568</b>	<b>742</b>	<b>13,310</b>
43. Dams and reservoirs .....	4,284	80	4,364	9,219	136	9,355	11,101	213	11,314
44. Irrigation and land reclamation projects .....	1,479	499	1,978	1,478	490	1,968	1,467	529	1,996
<b>Electric power construction</b> .....	<b>71,710</b>	<b>3,300</b>	<b>75,010</b>	<b>125,457</b>	<b>2,821</b>	<b>128,278</b>	<b>169,793</b>	<b>2,967</b>	<b>172,760</b>
45. Electric power generating plants, including water conveying and controlling structures .....	42,477	761	43,238	72,081	1,395	73,476	82,389	1,531	83,920
46. Electric transformer stations .....	1,670	281	1,951	4,337	83	4,420	3,370	86	3,456
47. Power transmission and distribution lines, trolley wires .....	25,238	1,515	26,753	47,861	648	48,509	82,267	735	83,002
48. Street lighting .....	2,325	743	3,068	1,178	695	1,873	1,767	616	2,383
<b>Railway, telephone and telegraph</b> .....	<b>33,222</b>	<b>18,569</b>	<b>51,791</b>	<b>27,115</b>	<b>16,974</b>	<b>44,089</b>	<b>25,685</b>	<b>18,101</b>	<b>43,786</b>
49. Railway tracks and roadbed .....	19,358	11,931	31,289	12,461	10,866	23,327	12,258	11,315	23,573
50. Signals and interlockers .....	766	1,150	1,916	1,086	1,264	2,350	1,589	1,332	2,921
51. Telegraph and telephone lines, underground and marine cables .....	13,098	5,488	18,586	13,568	4,844	18,412	11,838	5,454	17,292
<b>Gas and oil facilities</b> .....	<b>22,837</b>	<b>2,496</b>	<b>25,333</b>	<b>28,347</b>	<b>839</b>	<b>29,186</b>	<b>25,444</b>	<b>907</b>	<b>26,351</b>
52. Gas mains and services .....	3,448	647	4,095	3,182	21	3,203	3,858	24	3,882
53. Pumping stations, oil .....	2,205	-	2,205	869	85	954	30	99	129
54. Pumping stations, gas .....	2,176	451	2,627	3,117	29	3,146	789	29	818
55. Oil storage tanks .....	421	130	551	386	127	513	643	145	788
56. Gas storage tanks .....	56	-	56	759	-	759	40	-	40
57. Oil pipe lines .....	8,232	543	8,775	835	112	947	59	128	187
58. Gas pipe lines .....	4,416	451	4,867	17,957	24	17,981	15,666	24	15,690
59. Oil wells .....	1,410	183	1,593	1,242	441	1,683	4,359	458	4,817
60. Gas wells .....	451	86	537	-	-	-	-	-	-
61. Oil refinery - Processing units <sup>3</sup> .....	-	-	-	-	-	-	-	-	-
62. Natural gas cleaning plants .....	22	5	27	-	-	-	-	-	-
<b>Other engineering construction</b> .....	<b>40,878</b>	<b>9,709</b>	<b>50,587</b>	<b>41,354</b>	<b>9,611</b>	<b>50,965</b>	<b>41,966</b>	<b>10,060</b>	<b>52,026</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	9,824	2,888	12,712	13,216	2,800	16,016	11,032	3,003	14,035
64. Tunnels and subways .....	148	5	153	105	1	106	93	2	95
65. Incinerators .....	5	12	17	5	6	11	4	8	12
66. Park systems, landscaping, sodding, etc. ....	1,729	188	1,917	1,399	127	1,526	1,316	151	1,467
67. Swimming pools, tennis courts, outdoor recreation facilities .....	3,196	217	3,413	112	115	227	97	125	222
68. Mine shafts and other below surface workings .....	17,283	2,134	19,417	20,326	2,336	22,662	19,407	2,335	21,742
69. Fences, snowsheds, signs, guard rails .....	2,171	959	3,130	3,231	844	4,075	2,595	805	3,400
70. Other engineering construction .....	6,522	3,306	9,828	2,960	3,382	6,342	7,422	3,631	11,053

<sup>1</sup> Actual 1967, preliminary 1968, Intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Included in "Other engineering construction".

TABLE 25. Total Value of Construction Work Performed - New and Repair by Type of Structure - Saskatchewan, 1967 - 69<sup>1,2,3,4</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>551,251</b>	<b>117,387</b>	<b>668,638</b>	<b>562,889</b>	<b>109,678</b>	<b>672,567</b>	<b>541,719</b>	<b>113,739</b>	<b>655,458</b>
<b>Total building construction</b> .....	<b>270,672</b>	<b>58,506</b>	<b>329,178</b>	<b>276,125</b>	<b>57,073</b>	<b>333,198</b>	<b>284,999</b>	<b>57,731</b>	<b>342,730</b>
<b>Residential</b> .....	<b>104,100</b>	<b>30,600</b>	<b>134,700</b>	<b>122,600</b>	<b>31,000</b>	<b>153,600</b>	<b>136,400</b>	<b>33,100</b>	<b>169,500</b>
<b>Industrial</b> .....	<b>48,942</b>	<b>3,196</b>	<b>52,138</b>	<b>31,393</b>	<b>2,992</b>	<b>34,385</b>	<b>18,434</b>	<b>3,014</b>	<b>21,448</b>
2. Factories, plants, workshops, food canneries .....	17,458	1,492	18,950	7,053	1,093	8,146	7,177	926	8,103
3. Mine and mine mill buildings .....	30,067	121	30,188	23,306	372	23,678	9,847	459	10,306
4. Railway stations, offices, roadway buildings .....	1,034	1,102	2,136	571	953	1,524	829	1,029	1,858
5. Railway shops, engine houses, water and fuel stations .....	383	481	864	463	574	1,037	581	600	1,181
<b>Commercial</b> .....	<b>45,366</b>	<b>10,094</b>	<b>55,460</b>	<b>47,370</b>	<b>7,854</b>	<b>55,224</b>	<b>51,500</b>	<b>7,383</b>	<b>58,883</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	4,232	288	4,520	7,370	1,004	8,374	7,476	670	8,146
7. Grain elevators .....	6,811	3,746	10,557	6,554	2,982	9,536	5,593	2,607	8,200
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	646	642	1,288	3,236	568	3,804	2,673	612	3,285
9. Office buildings .....	8,830	1,335	10,165	8,711	990	9,701	15,143	1,081	16,224
10. Stores, retail and wholesale .....	13,696	2,785	16,481	11,180	1,460	12,640	12,034	1,496	13,530
11. Garages and service stations .....	2,684	651	3,335	3,072	568	3,640	4,266	618	4,884
12. Theatres, arenas, amusement and recreational buildings .....	8,446	629	9,075	7,247	264	7,511	4,315	287	4,602
13. Laundries and dry cleaning establishments .....	21	18	39	-	18	18	-	12	12
<b>Institutional</b> .....	<b>46,272</b>	<b>5,152</b>	<b>51,424</b>	<b>46,340</b>	<b>4,779</b>	<b>51,119</b>	<b>53,714</b>	<b>4,913</b>	<b>58,627</b>
14. Schools and other educational buildings .....	32,181	2,691	34,872	35,250	2,592	37,842	37,036	2,886	39,922
15. Churches and other religious buildings .....	2,580	159	2,739	710	315	1,025	721	191	912
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	7,312	2,139	9,451	7,718	1,650	9,368	10,273	1,575	11,848
17. Other institutional buildings .....	4,199	163	4,362	2,662	222	2,884	5,684	261	5,945
<b>Other building construction</b> .....	<b>25,992</b>	<b>9,464</b>	<b>35,456</b>	<b>28,422</b>	<b>10,448</b>	<b>38,870</b>	<b>24,951</b>	<b>9,321</b>	<b>34,272</b>
18. Farm buildings (excluding dwellings) .....	20,635	8,306	28,941	23,043	9,267	32,310	20,982	8,422	29,404
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	2,028	446	2,476	650	233	883	1,665	231	1,896
20. Aeroplane hangars .....	80	138	218	52	75	127	54	61	115
21. Passenger terminals, bus, boat or air .....	-	2	2	-	28	28	18	30	48
22. Armouries, barracks, drill halls, etc. ....	314	88	402	202	45	247	574	67	641
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	822	62	884	379	60	439	60	61	121
24. Other building construction .....	2,113	420	2,533	4,096	740	4,836	1,598	449	2,047
<b>Total engineering construction</b> .....	<b>280,579</b>	<b>58,881</b>	<b>339,460</b>	<b>286,764</b>	<b>52,605</b>	<b>339,369</b>	<b>256,720</b>	<b>56,008</b>	<b>312,728</b>
<b>Marine construction</b> .....	<b>91</b>	<b>75</b>	<b>166</b>	<b>337</b>	<b>68</b>	<b>405</b>	<b>442</b>	<b>78</b>	<b>520</b>
25. Docks, wharves, piers, breakwaters .....	86	74	160	247	68	315	343	70	413
26. Retaining walls, embankments, riprapping .....	-	-	-	85	-	85	94	-	94
27. Canals and waterways .....	-	-	-	5	-	5	5	8	13
28. Dredging and pile driving .....	-	-	-	-	-	-	-	-	-
29. Dyke construction .....	-	-	-	-	-	-	-	-	-
30. Logging booms .....	-	-	-	-	-	-	-	-	-
31. Other marine construction .....	5	1	6	-	-	-	-	-	-

See footnotes at end of table.



TABLE 25. Total Value of Construction Work Performed - New and Repair by Type of Structure - Saskatchewan, 1967-69<sup>1,2,3</sup> - Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>61,270</b>	<b>18,666</b>	<b>79,936</b>	<b>70,004</b>	<b>13,012</b>	<b>83,016</b>	<b>67,360</b>	<b>14,397</b>	<b>81,757</b>
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	36,751	9,189	45,940	52,678	10,272	62,950	50,471	11,287	61,758
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	17,836	9,173	27,009	13,370	2,345	15,715	13,866	2,585	16,451
34. Dirt, clay or other streets, roads, parking lots, etc. ....	2,531	39	2,570	988	136	1,124	704	96	800
35. Grading, scraping, oiling, filling .....	240	33	273	208	24	232	47	29	76
36. Sidewalks, paths .....	3,204	165	3,369	2,237	209	2,446	1,729	372	2,101
37. Aerodromes, landing fields, runways, tarmac .....	708	67	775	523	26	549	543	28	571
<b>Waterworks and sewage systems</b> .....	<b>17,097</b>	<b>4,292</b>	<b>21,389</b>	<b>14,535</b>	<b>4,627</b>	<b>19,162</b>	<b>20,674</b>	<b>4,904</b>	<b>25,578</b>
38. Tile drains, drainage ditches, storm sewers .....	2,452	898	3,350	3,730	1,108	4,838	3,763	1,168	4,931
39. Water mains, hydrants and services .....	10,315	2,086	12,401	4,313	2,141	6,454	5,456	2,189	7,645
40. Sewage systems and connections .....	3,461	929	4,390	4,617	986	5,603	10,216	1,056	11,272
41. Pumping stations, water .....	259	252	511	1,142	240	1,382	918	354	1,272
42. Water storage tanks .....	610	127	737	733	152	885	321	137	458
<b>Dams and irrigation</b> .....	<b>10,783</b>	<b>1,897</b>	<b>12,680</b>	<b>12,500</b>	<b>2,489</b>	<b>14,989</b>	<b>13,284</b>	<b>2,418</b>	<b>15,702</b>
43. Dams and reservoirs .....	8,237	589	8,826	5,619	235	5,854	5,924	263	6,187
44. Irrigation and land reclamation projects .....	2,546	1,308	3,854	6,881	2,254	9,135	7,360	2,155	9,515
<b>Electric power construction</b> .....	<b>38,433</b>	<b>2,186</b>	<b>40,619</b>	<b>34,086</b>	<b>4,150</b>	<b>38,236</b>	<b>30,913</b>	<b>4,411</b>	<b>35,324</b>
45. Electric power generating plants, including water conveying and controlling structures .....	21,391	839	22,230	21,153	2,068	23,221	17,279	2,163	19,442
46. Electric transformer stations .....	2,787	311	3,098	3,618	285	3,903	3,567	331	3,898
47. Power transmission and distribution lines, trolley wires .....	13,059	851	13,910	8,091	1,657	9,748	8,763	1,754	10,517
48. Street lighting .....	1,196	185	1,381	1,224	140	1,364	1,304	163	1,467
<b>Railway, telephone and telegraph</b> .....	<b>17,368</b>	<b>14,190</b>	<b>31,558</b>	<b>15,020</b>	<b>11,641</b>	<b>26,661</b>	<b>15,617</b>	<b>12,273</b>	<b>27,890</b>
49. Railway tracks and roadbed .....	7,394	10,595	17,989	6,975	9,004	15,979	8,627	9,437	18,064
50. Signals and interlockers .....	748	941	1,689	855	1,092	1,947	1,107	1,147	2,254
51. Telegraph and telephone lines, underground and marine cables .....	9,226	2,654	11,880	7,190	1,545	8,735	5,883	1,689	7,572
<b>Gas and oil facilities</b> .....	<b>44,995</b>	<b>12,158</b>	<b>57,153</b>	<b>47,688</b>	<b>12,246</b>	<b>59,934</b>	<b>53,330</b>	<b>13,189</b>	<b>66,519</b>
52. Gas mains and services .....	3,130	762	3,892	2,768	1,018	3,786	2,844	1,083	3,927
53. Pumping stations, oil .....	1,116	-	1,116	1,177	347	1,524	164	349	513
54. Pumping stations, gas .....	2,357	396	2,753	8,189	67	8,256	2,256	67	2,323
55. Oil storage tanks .....	975	189	1,164	387	407	794	510	435	945
56. Gas storage tanks .....	-	-	-	-	-	-	-	-	-
57. Oil pipe lines <sup>3</sup> .....	-	-	-	-	-	-	-	-	-
58. Gas pipe lines <sup>3</sup> .....	-	-	-	-	-	-	-	-	-
59. Oil wells .....	30,039	7,128	37,167	29,307	7,086	36,393	44,125	8,571	52,696
60. Gas wells .....	6,647	1,576	8,223	4,464	1,073	5,537	1,528	303	1,831
61. Oil refinery - Processing units <sup>4</sup> .....	244	1,738	1,982	582	1,971	2,553	1,103	2,194	3,297
62. Natural gas cleaning plants .....	487	369	856	814	277	1,091	1,000	187	1,187
<b>Other engineering construction</b> .....	<b>90,542</b>	<b>5,417</b>	<b>95,959</b>	<b>92,594</b>	<b>4,372</b>	<b>96,966</b>	<b>55,100</b>	<b>4,338</b>	<b>59,438</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	6,256	620	6,876	4,525	751	5,276	4,061	805	4,866
64. Tunnels and subways .....	508	22	530	765	17	782	33	16	49
65. Incinerators .....	2	-	2	1	-	1	1	-	1
66. Park systems, landscaping, sodding, etc. ....	79	39	118	1,053	31	1,084	2,273	26	2,299
67. Swimming pools, tennis courts, outdoor recreation facilities, etc. ....	87	64	151	539	57	596	858	49	907
68. Mine shafts and other below surface workings .....	47,755	338	48,093	38,854	394	39,248	11,855	463	12,318
69. Fences, snowsheds, signs, guard rails .....	3,361	1,530	4,891	3,749	1,586	5,335	3,558	1,459	5,017
70. Other engineering construction .....	32,494	2,804	35,298	43,108	1,536	44,644	32,461	1,520	33,981

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Included in "Other engineering construction".

<sup>4</sup> Item 61 "Oil refinery-Processing units" includes related structures employed in production of petrochemicals.

TABLE 26. Total Value of Construction Work Performed—New and Repair by Type of Structure—Alberta, 1967-69<sup>1, 2, 3</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>1,129,324</b>	<b>218,913</b>	<b>1,348,237</b>	<b>1,253,191</b>	<b>212,202</b>	<b>1,465,393</b>	<b>1,328,103</b>	<b>233,049</b>	<b>1,561,152</b>
<b>Total building construction</b> .....	<b>508,377</b>	<b>114,275</b>	<b>622,652</b>	<b>572,609</b>	<b>114,794</b>	<b>687,403</b>	<b>642,503</b>	<b>126,322</b>	<b>768,825</b>
<b>Residential</b> .....	<b>186,100</b>	<b>58,500</b>	<b>244,600</b>	<b>267,100</b>	<b>59,500</b>	<b>326,600</b>	<b>290,000</b>	<b>63,600</b>	<b>353,600</b>
<b>Industrial</b> .....	<b>18,494</b>	<b>8,189</b>	<b>26,683</b>	<b>16,891</b>	<b>5,860</b>	<b>22,751</b>	<b>14,002</b>	<b>6,091</b>	<b>20,093</b>
2. Factories, plants, workshops, food canneries .....	17,044	6,324	23,368	15,366	4,061	19,427	11,726	4,210	15,936
3. Mine and mine mill buildings.....	134	—	134	102	59	161	56	50	106
4. Railway stations, offices, roadway buildings.....	999	1,323	2,322	660	1,095	1,755	1,012	1,156	2,168
5. Railway shops, engine houses, water and fuel stations.....	317	542	859	763	645	1,408	1,208	675	1,883
<b>Commercial</b> .....	<b>93,335</b>	<b>23,007</b>	<b>116,342</b>	<b>94,268</b>	<b>18,815</b>	<b>113,083</b>	<b>118,070</b>	<b>21,267</b>	<b>139,337</b>
6. Warehouses, storehouses, refrigerated storage, etc .....	12,211	970	13,181	19,657	2,455	22,112	18,488	2,947	21,435
7. Grain elevators .....	2,516	2,009	4,525	594	983	1,577	904	807	1,711
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	6,835	1,506	8,341	8,777	1,394	10,171	4,774	1,396	6,170
9. Office buildings .....	41,307	10,758	52,065	37,236	8,412	45,648	62,424	9,881	72,305
10. Stores, retail and wholesale .....	15,750	4,700	20,450	12,429	3,061	15,490	19,652	3,380	23,032
11. Garages and service stations .....	5,126	1,444	6,570	7,159	1,116	8,275	6,677	1,282	7,959
12. Theatres, arenas, amusement and recreational buildings .....	9,524	1,533	11,057	8,345	1,291	9,636	4,948	1,480	6,428
13. Laundries and dry cleaning establishments .....	66	87	153	71	103	174	203	94	297
<b>Institutional</b> .....	<b>164,323</b>	<b>11,573</b>	<b>175,896</b>	<b>139,308</b>	<b>16,343</b>	<b>155,651</b>	<b>160,135</b>	<b>19,961</b>	<b>180,096</b>
14. Schools and other educational buildings .....	125,560	7,357	132,917	98,583	8,216	106,799	112,541	10,474	123,015
15. Churches and other religious buildings .....	3,818	305	4,123	3,145	191	3,336	2,347	219	2,566
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	25,710	3,523	29,233	27,243	4,403	31,646	29,855	4,991	34,846
17. Other institutional buildings .....	9,235	388	9,623	10,337	3,533	13,870	15,392	4,277	19,669
<b>Other building construction</b> .....	<b>46,125</b>	<b>13,006</b>	<b>59,131</b>	<b>55,042</b>	<b>14,276</b>	<b>69,318</b>	<b>60,296</b>	<b>15,403</b>	<b>75,699</b>
18. Farm buildings (excluding dwellings) .....	35,719	9,464	45,183	38,743	10,453	49,196	39,641	10,875	50,516
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	3,574	532	4,106	2,593	654	3,247	6,900	720	7,620
20. Aeroplane hangars.....	301	255	556	116	255	371	132	275	407
21. Passenger terminals, bus, boat or air .....	1,290	38	1,328	1,377	38	1,415	5,251	146	5,397
22. Armouries, barracks, drill halls, etc.....	412	1,232	1,644	421	586	1,007	478	685	1,163
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	540	113	653	835	362	1,197	473	517	990
24. Other building construction .....	4,289	1,372	5,661	10,957	1,928	12,885	7,421	2,185	9,606
<b>Total engineering construction</b> .....	<b>620,947</b>	<b>104,638</b>	<b>725,585</b>	<b>680,582</b>	<b>97,408</b>	<b>777,990</b>	<b>685,600</b>	<b>106,727</b>	<b>792,327</b>
<b>Marine construction</b> .....	<b>1,665</b>	<b>424</b>	<b>2,089</b>	<b>1,767</b>	<b>231</b>	<b>1,998</b>	<b>2,644</b>	<b>264</b>	<b>2,908</b>
25. Docks, wharves, piers, breakwaters .....	206	94	300	213	75	288	448	80	528
26. Retaining walls, embankments, riprapping .....	5	5	10	5	—	5	6	—	6
27. Canals and waterways .....	—	—	—	—	—	—	—	—	—
28. Dredging and pile driving.....	—	—	—	—	—	—	—	—	—
29. Dyke construction .....	—	—	—	—	—	—	—	—	—
30. Logging booms.....	—	—	—	—	—	—	—	—	—
31. Other marine construction .....	1,454	325	1,779	1,549	156	1,705	2,190	184	2,374

See footnotes at end of table.



TABLE 26. Total Value of Construction Work Performed—New and Repair by Type of Structure—Alberta, 1967-69<sup>1,2</sup>—Continued

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>79,797</b>	<b>37,436</b>	<b>117,233</b>	<b>66,040</b>	<b>21,256</b>	<b>87,296</b>	<b>68,761</b>	<b>22,043</b>	<b>90,804</b>
32. Hard surfaced or paved streets, highways, parking lots, etc. ....	54,395	28,329	82,724	45,896	14,942	60,838	53,670	15,866	69,536
33. Gravel or stone streets, highways, roads, parking lots, etc. ....	13,070	8,321	21,391	9,915	4,719	14,634	11,897	4,503	16,400
34. Dirt, clay or other streets, roads, parking lots, etc. ....	379	93	472	381	114	495	173	93	266
35. Grading, scraping, oiling, filling .....	9,415	7	9,422	6,914	924	7,838	680	933	1,613
36. Sidewalks, paths .....	2,195	524	2,719	2,627	367	2,994	2,048	452	2,500
37. Aerodromes, landing fields, runways, tarmac .....	343	162	505	307	190	497	293	196	489
<b>Waterworks and sewage systems</b> .....	<b>27,806</b>	<b>5,177</b>	<b>32,983</b>	<b>38,094</b>	<b>5,270</b>	<b>43,364</b>	<b>46,136</b>	<b>5,283</b>	<b>51,419</b>
38. Tile drains, drainage ditches, storm sewers .....	3,917	1,072	4,989	10,153	1,133	11,286	13,189	1,166	14,355
39. Water mains, hydrants and services .....	9,151	3,028	12,179	11,264	3,149	14,413	10,100	3,010	13,110
40. Sewage systems and connections .....	12,231	770	13,001	12,349	674	13,023	18,964	781	19,745
41. Pumping stations, water .....	1,341	148	1,489	2,097	134	2,231	2,112	147	2,259
42. Water storage tanks .....	1,166	159	1,325	2,231	180	2,411	1,771	179	1,950
<b>Dams and irrigation</b> .....	<b>8,984</b>	<b>1,988</b>	<b>10,972</b>	<b>11,101</b>	<b>1,698</b>	<b>12,799</b>	<b>13,935</b>	<b>1,776</b>	<b>15,711</b>
43. Dams and reservoirs .....	1,337	352	1,689	4,951	172	5,123	7,806	199	8,005
44. Irrigation and land reclamation projects .....	7,647	1,636	9,283	6,150	1,526	7,676	6,129	1,577	7,706
<b>Electric power construction</b> .....	<b>26,911</b>	<b>4,977</b>	<b>31,888</b>	<b>43,826</b>	<b>6,701</b>	<b>50,527</b>	<b>41,438</b>	<b>7,820</b>	<b>49,258</b>
45. Electric power generating plants, including water conveying and controlling structures .....	6,604	648	7,252	7,303	786	8,089	6,855	858	7,713
46. Electric transformer stations .....	3,953	668	4,621	8,328	691	9,019	7,598	764	8,362
47. Power transmission and distribution lines, trolley wires .....	14,489	2,110	16,599	25,409	4,317	29,726	23,898	5,070	28,968
48. Street lighting .....	1,865	1,551	3,416	2,786	907	3,693	3,087	1,128	4,215
<b>Railway, telephone and telegraph</b> .....	<b>72,287</b>	<b>16,645</b>	<b>88,932</b>	<b>56,172</b>	<b>16,629</b>	<b>72,801</b>	<b>32,994</b>	<b>17,525</b>	<b>50,519</b>
49. Railway tracks and roadbed .....	47,440	11,634	59,074	30,074	11,274	41,348	15,020	11,782	26,802
50. Signals and interlockers .....	1,233	986	2,219	1,344	1,191	2,535	1,668	1,254	2,922
51. Telegraph and telephone lines, underground and marine cables .....	23,614	4,025	27,639	24,754	4,164	28,918	16,306	4,489	20,795
<b>Gas and oil facilities</b> .....	<b>312,623</b>	<b>29,429</b>	<b>342,052</b>	<b>371,694</b>	<b>36,692</b>	<b>408,386</b>	<b>411,735</b>	<b>40,566</b>	<b>452,301</b>
52. Gas mains and services .....	5,177	1,043	6,220	22,873	1,840	24,713	43,870	2,032	45,902
53. Pumping stations, oil .....	1,250	5	1,255	4,244	704	4,948	3,939	770	4,709
54. Pumping stations, gas .....	3,253	199	3,452	9,820	432	10,252	17,500	784	18,284
55. Oil storage tanks .....	1,850	203	2,053	3,656	264	3,920	1,207	221	1,428
56. Gas storage tanks .....	173	37	210	—	—	—	—	—	—
57. Oil pipe lines .....	29,906	1,248	31,154	31,354	1,379	32,733	23,004	1,178	24,182
58. Gas pipe lines .....	10,199	891	11,090	7,272	297	7,569	1,690	315	2,005
59. Oil wells .....	131,822	9,153	140,975	170,420	17,796	188,218	185,911	20,410	206,321
60. Gas wells .....	69,009	4,784	73,793	55,690	5,801	61,491	62,986	5,604	68,590
61. Oil refinery — Processing units <sup>3</sup> .....	7,400	2,826	10,226	2,254	2,477	4,731	9,601	2,949	12,550
62. Natural gas cleaning plants .....	52,584	9,040	61,624	64,111	5,700	69,811	62,027	6,303	68,330
<b>Other engineering construction</b> .....	<b>90,874</b>	<b>8,562</b>	<b>99,436</b>	<b>91,888</b>	<b>8,931</b>	<b>100,819</b>	<b>67,957</b>	<b>11,450</b>	<b>79,407</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	31,042	4,531	35,573	26,216	4,707	30,923	22,584	4,556	27,140
64. Tunnels and subways .....	1,560	15	1,575	—	—	—	—	—	—
65. Incinerators .....	5	33	38	5	19	24	6	20	26
66. Park systems, landscaping, sodding, etc. ....	1,551	399	1,950	1,907	417	2,324	1,474	872	2,346
67. Swimming pools, tennis courts, outdoor recreation facilities ....	270	21	291	326	305	631	364	273	637
68. Mine shafts and other below surface workings .....	394	22	416	—	—	—	—	—	—
69. Fences, snowsheds, signs, guard rails .....	6,759	1,781	8,540	6,658	1,832	8,490	6,929	1,881	8,810
70. Other engineering construction .....	49,293	1,760	51,053	56,776	1,651	58,427	36,600	3,848	40,448

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

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



TABLE 27. Total Value of Construction Work Performed - New and Repair by Type of Structure - British Columbia, 1967-69<sup>1,2,3,4,5</sup>

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Total value of construction</b> .....	<b>1,395,494</b>	<b>225,465</b>	<b>1,620,959</b>	<b>1,381,027</b>	<b>215,999</b>	<b>1,597,026</b>	<b>1,441,706</b>	<b>238,070</b>	<b>1,679,776</b>
<b>Total building construction</b> .....	<b>701,059</b>	<b>144,642</b>	<b>845,701</b>	<b>762,753</b>	<b>140,239</b>	<b>902,992</b>	<b>833,183</b>	<b>150,652</b>	<b>983,835</b>
<b>Residential</b> .....	<b>352,700</b>	<b>84,200</b>	<b>436,900</b>	<b>422,100</b>	<b>86,600</b>	<b>508,700</b>	<b>455,700</b>	<b>93,400</b>	<b>549,100</b>
<b>Industrial</b> .....	<b>72,661</b>	<b>17,761</b>	<b>90,422</b>	<b>78,071</b>	<b>14,948</b>	<b>93,019</b>	<b>101,908</b>	<b>16,636</b>	<b>118,544</b>
2. Factories, plants, workshops, food canneries .....	56,147	14,940	71,087	47,438	12,367	59,805	79,915	13,925	93,840
3. Mine and mine mill buildings .....	13,002	824	13,826	28,847	478	29,325	18,432	496	18,928
4. Railway stations, offices, roadway buildings .....	1,923	1,411	3,334	924	1,328	2,252	1,235	1,406	2,641
5. Railway shops, engine houses, water and fuel stations .....	1,589	586	2,175	862	775	1,637	2,326	809	3,135
<b>Commercial</b> .....	<b>122,083</b>	<b>18,383</b>	<b>140,466</b>	<b>123,266</b>	<b>21,301</b>	<b>144,567</b>	<b>116,296</b>	<b>20,676</b>	<b>136,972</b>
6. Warehouses, storehouses, refrigerated storage, etc. ....	16,582	2,481	19,063	15,236	2,139	17,375	9,623	2,339	11,962
7. Grain elevators .....	12,399	442	12,841	11,121	41	11,162	1,547	32	1,579
8. Hotels, clubs, restaurants, cafeterias, tourist cabins .....	13,336	2,603	15,939	9,911	3,332	13,243	15,217	3,559	18,776
9. Office buildings .....	32,386	4,887	37,273	46,253	5,844	52,097	35,549	6,725	42,274
10. Stores, retail and wholesale .....	19,667	5,512	25,179	23,195	4,558	27,753	31,524	5,318	36,842
11. Garages and service stations .....	7,594	1,379	8,973	8,864	1,148	10,012	11,839	1,475	13,314
12. Theatres, arenas, amusement and recreational buildings .....	19,737	938	20,675	7,584	4,105	11,689	10,870	1,080	11,950
13. Laundries and dry cleaning establishments .....	382	141	523	1,102	134	1,236	127	148	275
<b>Institutional</b> .....	<b>117,720</b>	<b>12,687</b>	<b>130,407</b>	<b>96,597</b>	<b>12,164</b>	<b>108,761</b>	<b>114,467</b>	<b>14,237</b>	<b>128,704</b>
14. Schools and other educational buildings .....	75,616	6,107	81,723	52,844	6,417	59,261	69,713	7,311	77,024
15. Churches and other religious buildings .....	1,498	288	1,786	2,443	414	2,857	1,974	495	2,469
16. Hospitals, sanatoria, clinics, first-aid stations, etc. ....	22,662	3,933	26,595	29,412	3,680	33,092	34,489	4,597	39,086
17. Other institutional buildings .....	17,944	2,359	20,303	11,898	1,653	13,551	8,291	1,834	10,125
<b>Other building construction</b> .....	<b>35,895</b>	<b>11,611</b>	<b>47,506</b>	<b>42,719</b>	<b>5,226</b>	<b>47,945</b>	<b>44,812</b>	<b>5,703</b>	<b>50,515</b>
16. Farm buildings (excluding dwellings) .....	8,663	2,217	10,880	7,624	1,779	9,403	7,402	1,680	9,082
19. Broadcasting, radio and television, relay and booster stations, telephone exchanges .....	3,882	618	4,500	5,307	773	6,080	4,751	821	5,572
20. Aeroplane hangars .....	1,668	442	2,110	10,194	62	10,256	11,457	93	11,550
21. Passenger terminals, bus, boat or air .....	10,497	180	10,677	8,941	17	8,958	9,227	17	9,244
22. Armouries, barracks, drill halls, etc. ....	1,153	563	1,716	886	456	1,342	814	669	1,483
23. Bunkhouses, dormitories, camp cookeries, bush depots and camps .....	4,993	1,676	6,669	4,477	1,353	5,830	3,699	1,498	5,197
24. Other building construction .....	5,039	5,915	10,954	5,290	786	6,076	7,462	925	8,387
<b>Total engineering construction</b> .....	<b>694,435</b>	<b>80,823</b>	<b>775,258</b>	<b>618,274</b>	<b>75,760</b>	<b>694,034</b>	<b>608,523</b>	<b>87,418</b>	<b>695,941</b>
<b>Marine construction</b> .....	<b>17,189</b>	<b>5,712</b>	<b>22,901</b>	<b>20,053</b>	<b>5,767</b>	<b>25,820</b>	<b>13,092</b>	<b>5,996</b>	<b>19,088</b>
25. Docks, wharves, piers, breakwaters .....	10,553	3,476	14,029	13,524	3,742	17,266	7,591	3,402	10,993
26. Retaining walls, embankments, riprapping .....	2,263	3	2,266	197	15	212	168	20	188
27. Canals and waterways .....	1	19	20	174	1	175	162	2	164
28. Dredging and pile driving .....	3,519	423	3,942	2,417	428	2,845	2,492	478	2,970
29. Dyke construction .....	13	38	51	234	32	266	160	53	213
30. Logging booms .....	186	272	458	130	339	469	107	258	365
31. Other marine construction .....	654	1,481	2,135	3,377	1,210	4,587	2,412	1,783	4,195

See footnotes at end of table.

TABLE 27. Total Value of Construction Work Performed—New and Repair by Type of Structure—British Columbia, 1967-69—Concluded

Type of structure	1967			1968			1969		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	thousands of dollars								
<b>Road, highway and aerodrome construction</b> .....	<b>144,974</b>	<b>25,925</b>	<b>170,899</b>	<b>129,448</b>	<b>20,478</b>	<b>149,926</b>	<b>127,929</b>	<b>28,050</b>	<b>155,979</b>
32. Hard surfaced or paved streets, highways, parking lots, etc.	30,431	5,124	35,555	33,806	5,129	38,935	35,351	7,646	42,997
33. Gravel or stone streets, highways, roads, parking lots, etc.,...	84,590	15,366	99,956	41,727	4,979	46,706	35,588	8,293	43,881
34. Dirt, clay or other streets, roads, parking lots, etc.,.....	21,527	4,860	26,387	36,572	7,762	44,334	39,655	8,968	48,623
35. Grading, scraping, oiling, filling .....	495	120	615	10,809	2,197	13,006	10,704	2,695	13,399
36. Sidewalks, paths .....	1,704	349	2,053	1,789	334	2,123	2,276	332	2,608
37. Aerodromes, landing fields, runways, tarmac .....	6,227	106	6,333	4,745	77	4,822	4,355	116	4,471
<b>Waterworks and sewage systems</b> .....	<b>29,233</b>	<b>6,407</b>	<b>35,640</b>	<b>34,027</b>	<b>6,057</b>	<b>40,084</b>	<b>39,145</b>	<b>6,435</b>	<b>45,580</b>
38. Tile drains, drainage ditches, storm sewers .....	1,192	290	1,482	8,847	733	9,580	5,796	725	6,521
39. Water mains, hydrants and services .....	13,301	3,868	17,169	10,746	3,460	14,206	11,721	3,707	15,428
40. Sewage systems and connections .....	12,706	1,977	14,683	12,226	1,447	13,673	20,740	1,578	22,318
41. Pumping stations, water .....	1,077	202	1,279	1,801	352	2,153	488	358	846
42. Water storage tanks .....	957	70	1,027	407	65	472	400	67	467
<b>Dams and irrigation</b> .....	<b>107,237</b>	<b>858</b>	<b>108,095</b>	<b>83,400</b>	<b>480</b>	<b>83,880</b>	<b>74,062</b>	<b>505</b>	<b>74,567</b>
43. Dams and reservoirs .....	106,094	361	106,455	81,915	219	82,134	72,878	231	73,109
44. Irrigation and land reclamation projects .....	1,143	497	1,640	1,485	261	1,746	1,184	274	1,458
<b>Electric power construction</b> .....	<b>182,338</b>	<b>8,960</b>	<b>171,298</b>	<b>125,285</b>	<b>9,102</b>	<b>134,387</b>	<b>89,065</b>	<b>10,430</b>	<b>99,495</b>
45. Electric power generating plants, including water conveying and controlling structures .....	79,272	2,911	82,183	46,443	3,272	49,715	8,886	4,049	12,935
46. Electric transformer stations .....	2,533	82	2,615	3,571	160	3,731	1,247	181	1,428
47. Power transmission and distribution lines, trolley wires .....	78,555	5,680	84,235	73,423	5,327	78,750	76,885	5,837	82,722
48. Street lighting .....	1,978	287	2,265	1,848	343	2,191	2,047	363	2,410
<b>Railway, telephone and telegraph</b> .....	<b>43,484</b>	<b>19,372</b>	<b>62,856</b>	<b>41,502</b>	<b>20,532</b>	<b>62,034</b>	<b>69,461</b>	<b>21,766</b>	<b>91,227</b>
49. Railway tracks and roadbed .....	22,441	13,676	36,117	19,982	14,244	34,226	42,491	15,047	57,538
50. Signals and interlockers .....	2,302	1,078	3,380	1,760	1,410	3,170	2,986	1,481	4,467
51. Telegraph and telephone lines, underground and marine cables .....	18,741	4,618	23,359	19,760	4,878	24,638	23,984	5,238	29,222
<b>Gas and oil facilities</b> .....	<b>74,499</b>	<b>5,745</b>	<b>80,244</b>	<b>83,129</b>	<b>6,518</b>	<b>89,647</b>	<b>106,083</b>	<b>6,988</b>	<b>113,071</b>
52. Gas mains and services .....	5,621	741	6,362	8,858	1,109	9,967	7,216	1,213	8,429
53. Pumping stations, oil .....	903	119	1,022	146	283	429	410	313	723
54. Pumping stations, gas .....	8	—	8	1,715	—	1,715	54	—	54
55. Oil storage tanks .....	1,926	431	2,357	1,464	295	1,759	1,947	347	2,294
56. Gas storage tanks .....	619	3	622	449	30	479	638	26	664
57. Oil pipe lines .....	600	989	1,589	232	504	736	1,590	506	2,096
58. Gas pipe lines <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
59. Oil wells .....	32,417	745	33,162	38,875	1,156	40,031	58,810	1,132	59,942
60. Gas wells .....	15,818	364	16,182	21,021	586	21,607	21,652	572	22,224
61. Oil refinery—Processing units <sup>4</sup> .....	4,152	2,210	6,362	9,555	2,389	11,944	12,734	2,711	15,445
62. Natural gas cleaning plants .....	12,435	143	12,578	814	166	980	1,032	168	1,200
<b>Other engineering construction</b> .....	<b>115,481</b>	<b>7,844</b>	<b>123,325</b>	<b>101,430</b>	<b>6,826</b>	<b>108,256</b>	<b>89,686</b>	<b>7,248</b>	<b>96,934</b>
63. Bridges, trestles, culverts, overpasses, viaducts .....	14,243	4,240	18,483	14,181	3,958	18,139	25,594	4,318	29,912
64. Tunnels and subways .....	5,067	—	5,067	681	—	681	3,256	—	3,256
65. Incinerators .....	95	6	101	123	—	123	40	2	42
66. Park systems, landscaping, sodding, etc. ....	756	573	1,329	1,604	1,047	2,651	1,044	1,197	2,241
67. Swimming pools, tennis courts, outdoor recreation facilities .....	1,913	37	1,950	218	33	251	470	49	519
68. Mine shafts and other below surface workings .....	35,430	243	35,673	46,545	390	46,935	36,574	264	36,838
69. Fences, snowsheds, signs, guard rails .....	1,789	1,278	3,067	1,635	510	2,145	1,344	528	1,872
70. Other engineering construction .....	56,188	1,467	57,655	36,443	888	37,331	21,364	890	22,254

<sup>1</sup> Actual 1967, preliminary 1968, intentions 1969.

<sup>2</sup> See footnote 2, Table 3.

<sup>3</sup> Included in "Other engineering".

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

<sup>5</sup> Includes Northwest Territories and Yukon.

## 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 75 per cent is the result of direct surveys of business firms, institutions, government-owned enterprises and departments and of residential building activity. The remainder is estimated. A brief outline of the methods employed to make these estimates is given in the following paragraphs. For a more complete description of these methods, see pages 19 to 23 of the report "Private and Public Investment in Canada, Outlook 1969".

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 1966 of all the firms in each industry by the corresponding 1966 total for the firms reporting in the 1969 survey. In carrying out this procedure it has been assumed that the proportion of shipments of the reporting establishments in both 1966 and 1969 has not changed significantly during the period and, further, that there is a relationship between total value of production and expenditures on construction. In the Utilities, Trade Finance and Institutional and Commercial Services sectors, the same principle has been followed using appropriate basic data for the sector concerned. Expenditures reported by new establishments for which no production or other basic data are available, are included as "net additions". For some industries, which are not amenable to direct survey methods, independent estimates were made. Since reporting firms accounted for about 75 per cent of the total, it is believed that the estimating procedure for the non-reporting firms and industries not covered by direct survey does not introduce any great margin of error into the total. Estimates for type of structure, individual industries or regions are, of course, subject to greater error than the total figures for Canada.

Both the 1968 preliminary actual figures and the 1969 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 1968 to 1969 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 1967 and 1968, 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 1969 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 1969.

The data on the 1969 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 1967 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. The estimation of the withdrawals of owners and partners is derived from "Taxation Statistics" published by the Department of National Revenue.

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 1967, 1968 and 1969.

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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