

12.—Detailed Estimates of Value of Construction Work Performed, by Type of Structure, 1952-54—concluded

Type of Structure	1952			1953			1954		
	New	Repair	Total	New	Repair	Total	New	Repair	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Engineering Construction—concluded									
Pumping stations (oil and gas).....	10,314	928	11,237	8,919	1,064	9,983	11,327	1,049	12,376
Pipelines (oil).....	66,040	581	66,621	60,514	1,458	61,972	44,377	3,731	48,108
Storage tanks (oil and gas).....	17,265	1,898	19,163	25,363	2,282	27,645	20,107	2,243	22,350
Pipelines (gas).....	6,948	1,537	8,485	25,833	753	26,586	51,709	688	52,397
Oil and gas wells.....	72,458	1,520	73,978	86,697	1,633	88,330	122,229	3,133	125,362
Docks, wharves, piers, breakwaters.....	29,938	8,793	38,731	28,313	7,561	35,874	29,289	7,311	36,600
Retaining walls, embankments, riprapping.....	2,473	836	3,309	1,836	632	2,468	1,589	672	2,261
Canals and waterways.....	6,070	3,100	9,170	3,065	1,789	4,854	4,879	1,576	6,455
Dredging and pile driving.....	8,429	4,321	12,750	4,781	3,605	8,386	12,220	3,675	15,895
Dykes.....	2,234	284	2,518	2,287	374	2,661	2,606	358	2,964
Logging booms.....	956	1,037	1,993	379	1,339	1,718	856	401	1,257
Other marine construction.....	1,286	354	1,640	1,874	1,139	3,013	1,359	767	2,126
Incinerator construction.....	2,095	468	2,563	2,167	502	2,669	2,371	498	2,869
Park systems, landscaping, sodding, etc.....	5,754	3,157	8,911	5,678	3,246	8,924	6,252	3,222	9,474
Structural steel erection.....	1,904	—	1,904	1	1
Swimming pools, tennis courts, outdoor recreation facilities.....	883	906	1,789	832	844	1,676	837	836	1,673
Mineshafts and other below surface workings.....	14,172	1,345	15,517	17,992	2,480	20,472	15,619	2,074	17,693
Other engineering construction.....	7,716	7,522	15,238	19,713	2,287	22,000	23,256	1,782	25,038
Totals, Engineering Construction.....	1,363,306	424,413	1,787,719	1,416,513	446,75	1,863,228	1,462,874	453,170	1,916,044
Totals, Construction.....	3,282,340	916,281	4,198,621	3,646,175	949,015	4,595,193	3,865,904	964,176	4,830,080

¹ Not collected separately.

Principal statistics of the construction industry are shown by province and for contractors, utilities, governments and others in Table 13. Though the statistics given for Canada as a whole may be considered as relatively accurate, those given for individual provinces and by class of builder are approximations. All of the estimates given for average numbers employed, salaries and wages paid, and cost of materials used are based on ratios of these items to total value of work performed derived from survey work done in 1952 and applied to the total value of work figures. Although these ratios were calculated in some detail by type of industry, still further refinements are required. There are also some difficulties in obtaining the precise geographical location of projects undertaken or to be undertaken by large companies operating in a number of provinces. However, if used with these qualifications in mind the table provides useful estimates.

In using the employment data it is also of value to have a knowledge of the methods used in collecting the basic data on which the employment estimates are based. Respondents are requested to report the average number of employees engaged in construction each month. They are advised on the questionnaire that one method of computing the average number of employees is to divide the number of working days in the month into the total number of man-days worked by all employees in the month. The monthly averages are added and divided by twelve to compute the annual average. Thus, the resulting figures are representative